

Reference List 2018-09-07

1. Scientific Journals

1. Shah S, Weinholdt C, Jedrusik N, Molina C, Zou J, Große I, Schiessl S, **Jung C**, Emrani N (2018) Whole transcriptome analysis reveals genetic factors underlying flowering time regulation in rapeseed (*Brassica napus* L.). *Plant, Cell & Environment*, 41:1935-1947
2. Höft N, Dally N, **Jung C** (2018) Sequence variation in the bolting time regulator *BTC1* changes the life cycle regime in sugar beet. *Plant Breeding*, published online. doi:<https://doi.org/10.1111/pbr.12579>doi:10.1111/pbr.12579
3. Höft N, Dally N, Hasler M, **Jung C** (2018) Haplotype variation of flowering time genes of sugar beet and its wild relatives and the impact on life cycle regimes. *Frontiers in Plant Science*, 8 (2211). doi:10.3389/fpls.2017.02211
4. Braatz, J., Harloff, H.J., Emrani, N., Elisha, C., Heepe, L., Gorb, S.N., **Jung, C.** (2018). "The effect of *INDEHISCENT* point mutations on silique shatter resistance in oilseed rape (*Brassica napus*)." *Theoretical and Applied Genetics*. 10.1007/s00122-018-3051-4
5. **Jung C**, Capistrano-Gossmann G, Braatz J, Sashidhar N, Melzer S (2018) Recent developments in genome editing and applications in plant breeding. *Plant Breed.* 137:1-9
6. Janina Braatz, Hans-Joachim Harloff, and Christian **Jung** (2018) EMS-induced point mutations in *ALCATRAZ* homoeologs increase silique shatter resistance of oilseed rape (*Brassica napus*), 214: 29. <https://doi.org/10.1007/s10681-018-2113-7>
7. Fritsche S, Wang X, **Jung C** (2017) Recent Advances in our Understanding of Tocopherol Biosynthesis in Plants: An Overview of Key Genes, Functions, and Breeding of Vitamin E Improved Crops. *Antioxidants* 6 (4):99
8. Wei D, Cui Y, He Y, Xiong Q, Qian L, Tong C, Lu G, Ding Y, Li J, **Jung C**, Qian W (2017) A genome-wide survey with different rapeseed ecotypes uncovers footprints of domestication and breeding. *Journal of Experimental Botany*, 68: 4791-4801
9. Braatz J, Harloff H, Mascher M, Stein N, Himmelbach A, **Jung C** (2017) CRISPR-Cas9 targeted mutagenesis leads to simultaneous modification of different homoeologous gene copies in polyploid oilseed rape (*Brassica napus* L.) *Plant Physiology*, 174: 935-942
10. **Jung, C.** (2017). Flowering time regulation: Agrochemical control of flowering. News and Views article. *Nature Plants* 3/2017. <http://dx.doi.org/10.1038/nplants.2017.45>
11. Jarvis DE, Ho YS, Lightfoot DJ, Schmöckel SM, Li B, Borm TJA, Ohyanagi H, Mineta K, Michell CT, Saber N, Kharbatia NM, Rupper RR, Sharp AR, Dally N, Boughton BA, Woo YH, Gao G, Schijlen EGWM, Guo X, Momin AA, Negrão S, Al-Babili S, Gehring C, Roessner U, **Jung C**, Murphy K, Arold ST, Gojobori T, Linden CGvd, van Loo EN, Jellen EN, Maughan PJ, Tester M (2017) The genome of *Chenopodium quinoa*. *Nature* 542: 307-312

12. **Jung C**, Pillen K, Staiger D, Coupland G, von Korff M (2017) Editorial: Recent Advances in Flowering Time Control. *Frontiers in Plant Science* 7 (2017). doi:10.3389/fpls.2016.02011
13. Pfeiffer N, Müller AE, **Jung C**, Kopisch-Obuch F (2017) Genetic analysis of delayed bolting after winter in leaf beet (*Beta vulgaris* L.). *Plant Breeding*, 136:237-244
14. Tränkner C, Lemnian I, Emrani N, Pfeiffer N, Tiwari SP, Kopisch-Obuch F, Vogt S, Müller A, Schilhabel M, **Jung C**, Grosse I (2016) The BR1 locus controls bolting resistance after vernalization in sugar beet (*Beta vulgaris* L.). *Frontiers in Plant Science* 7 (1662). doi:10.3389/fpls.2016.01662
15. Omolade, O., Müller, A.E., **Jung, C.** and Melzer, S. (2016) BvPRR7 is a cold responsive gene with a clock function in beets. *Biologia Plantarum* 60:95-104
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17. Blümel, M., Dally, N. and **Jung, C.** (2015) Flowering time regulation in crops — what did we learn from Arabidopsis? *Current Opinion in Biotechnology*, 32: 121-129
18. Nina Pfeiffer, Conny Tränkner, Ioana Lemnian, Ivo Grosse, Andreas E. Müller, **Christian Jung**, Friedrich Kopisch-Obuch (2014) Genetic analysis of bolting after winter in sugar beet (*Beta vulgaris* L.) *Theoretical and Applied Genetics*. 127:2479-2489
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