

VERÖFFENTLICHUNGEN 2018**Abteilung Pflanzenzüchtung, Göttingen**

Aqtbouz N, Link W, Belqadi L, Ghaouti L (2018) Genetic diversity among North African faba bean landraces for competitive ability against weeds. *Journal for Cultivated Plants* 70:145-157

Behnke N, Suprianto E, Möllers C (2018) A major QTL on chromosome C05 significantly reduces acid detergent lignin (ADL) content and increases seed oil and protein content in oilseed rape (*Brassica napus* L.). *Theoretical and Applied Genetics* 131:2477-2492

Fattahi F, Fakheri BA, Solouki M, Möllers C, Rezaizad A (2018) Mapping QTL controlling agronomic traits in a doubled haploid population of winter oilseed rape (*Brassica napus* L.). *Journal of Genetics*. <https://doi.org/10.1007/s12041-018-1044-3>

Ghanbari M, Möllers C (2018) Genetic variation for shoot elongation before winter and its correlation with vernalization requirement in winter oilseed rape (*Brassica napus* L.). *Euphytica* 214:186. <https://doi.org/10.1007/s10681-018-2274-4>

Horneburg B, Becker HC (2018) Spontaneous outcrossing in tomato depends on cultivar and environment and varies between individual flowers. *Plant Breeding* 137:638-643

Kotschi J, Horneburg B (2018) The Open Source Seed Licence: A novel approach to safeguarding access to plant germplasm. *PLoS Biol* 16(10): e3000023. <https://doi.org/10.1371/journal.pbio.3000023>

Liu S, Becker HC, Feuerstein U, Luesink W, Schulze S, Asp T, Studer B, Dehmer K (2018) DArT, SNP, and SSR analyses of genetic diversity in *Lolium perenne* (L.) using Bulk Sampling; *BMC Genetics* 19:10. doi.org/10.1186/s12863-017-0589-0

Marzinzig B, Brünjes L, Biagioni S, Behling H, Link W, Westphal C (2018) Bee pollinators of faba bean (*Vicia faba*) differ in their foraging behaviour and pollination efficiency. *Agriculture, Ecosystems & Environment* 264:24-33

Möllers C (2018) Quality aspects in breeding Brassica species. *Acta Hort.* 1202. ISHS 2018. [doi 10.17660/ActaHortic.2018.1202.22](https://doi.org/10.17660/ActaHortic.2018.1202.22). Proc. VII Int. Symp. on Brassicas; 22-25 May 2017, Pontevedra, Spain. Eds.: ME Cartea, P Soengas and M Francisco. Pp. 151-156

Pfalsdorf L, Becker HC, Schmidt W (2018) Maisstroh als Biogassubstrat? DLG-Mitteilungen, PANORAMA | Koppelnutzung. Heft 2, Seiten 76-77

Richter J-C, Möllers C (2018) Genetic variation for vernalization requirement of winter oilseed rape. *Acta Hort.* 1202. ISHS 2018. [doi 10.17660/ActaHortic.2018.1202.13](https://doi.org/10.17660/ActaHortic.2018.1202.13). Proc. VII Int. Symp. on Brassicas; 22-25 May 2017, Pontevedra, Spain. Eds.: ME Cartea, P Soengas and M Francisco. Pp. 87-91

Schierholt A, Tietz T, Bienert GP, Gertz A, Miersch S, Becker HC (2018) Root system size response of bzh semi-dwarf oilseed rape hybrids to different nitrogen levels in the field, *Annals of Botany*. <https://doi.org/10.1093/aob/mcy197>

Tacke R, Link W (2017) Towards a localization of the “vc-“gene responsible for low vicine and convicine content in seeds of faba bean (*Vicia faba* L.) and towards a low vicine and convicine winter faba bean cultivar. 8th International Conference on Legume Genetics and Genomics, September 18-22. Siófok, Hungary. ICLGG Ungarn. Page 115

Steinschneider C, Horneburg B, Lerch F (2017) Freiland-Paradeiser in Österreich bei Befallsdruck durch *Phytophthora infestans*. In: Ländliches Fortbildungsinstitut Österreich (Hrsg.) Biogemüsefibel 2017: 9-13. [http://www.bio-net.at/startseite/newsitem.html?tx_ttnews\[tt_news\]=374&cHash=9eaac78cb257eafc6abb04d4ef6c9e4e](http://www.bio-net.at/startseite/newsitem.html?tx_ttnews[tt_news]=374&cHash=9eaac78cb257eafc6abb04d4ef6c9e4e)

Valdés AVI, Clemens R, Möllers C (2018) Mapping of quantitative trait loci for microspore embryogenesis related traits in the oilseed rape doubled haploid population DH4069 x Express 617. *Molecular Breeding* 38: 65. doi.org/10.1007/s11032-018-0822-1

Monographien

Behnke N (2018) Increase of seed oil content in winter oilseed rape (*Brassica napus* L.) by using Chinese genetic resources. Dissertation Georg-August-Universität Göttingen. <http://hdl.handle.net/11858/00-1735-0000-002E-E484-A>

Ruland R (2018) Site-specific adaptation by natural selection. A case study with lentil. Dissertation Georg-August-Universität Göttingen. <http://hdl.handle.net/11858/00-1735-0000-002E-E3B2-A>

Starke M (2018) Selektion von Stangenbohnsorten (*Phaseolus vulgaris* L.) für den Mischanbau mit Mais. Dissertation Georg-August-Universität Göttingen. <http://hdl.handle.net/11858/00-1735-0000-002E-E481-0>