

Publications for Peter Dracatos

2019

Rothwell, C., Singh, D., Van Ogtrop, F., Sorensen, C., Fowler, R., German, S., Park, R., Dracatos, P. (2019). Rapid phenotyping of adult plant resistance in barley (*Hordeum vulgare*) to leaf rust under controlled conditions. *Plant Breeding*, 138, 51-61. [More Information]

2018

Gnocato, F., Dracatos, P., Karaoglu, H., Zhang, P., Berlin, A., Park, R. (2018). Development, characterization and application of genomic SSR markers for the oat stem rust pathogen *Puccinia graminis* f. sp. *avenae*. *Plant Pathology*, 67(2), 457-466. [More Information]

Dracatos, P., Haghdoust, R., Singh, D., Park, R. (2018). Exploring and exploiting the boundaries of host specificity using the cereal rust and mildew models. *New Phytologist*, 218(2), 453-462. [More Information]

Singh, D., Ziemis, L., Dracatos, P., Pourkheirandish, M., Tshewang, S., Czembor, P., German, S., Fowler, R., Snyman, L., Platz, G., Park, R. (2018). Genome-wide association studies provide insights on genetic architecture of resistance to leaf rust in a worldwide barley collection. *Molecular Breeding*, 38(4), 43. [More Information]

Haghdoust, R., Singh, D., Garnica, D., Park, R., Dracatos, P. (2018). Isolate Specificity and Polygenic Inheritance of Resistance in Barley to Diverse Heterologous *Puccinia striiformis* Isolates. *Phytopathology*, 108(5), 617-626. [More Information]

2017

Ziemis, L., Hickey, L., Platz, G., Franckowiak, J., Dracatos, P., Singh, D., Park, R. (2017). Characterization of Rph24: A gene conferring adult plant resistance to puccinia hordei in Barley. *Phytopathology*, 107(7), 834-841. [More Information]

Dracatos, P., Haghdoust, R., Singh, D., Park, R. (2017). Genetic analysis and molecular mapping of resistance to *Puccinia striiformis* f. sp. *pseudo-hordei* in common wheat. *Plant Pathology*, 66(2), 285-292. [More Information]

Singh, D., Dracatos, P., Loughman, R., Park, R. (2017). Genetic mapping of resistance to *Puccinia hordei* in three barley doubled-haploid populations. *Euphytica*, 213(1), 1-10. [More Information]

Elmansour, H., Singh, D., Dracatos, P., Park, R. (2017). Identification and characterization of seedling and adult plant resistance to *Puccinia hordei* in selected African barley germplasm. *Euphytica*, 213(6), 1-20. [More Information]

Information]

2016

Dracatos, P., Zhang, P., Park, R., McIntosh, R., Wellings, C. (2016). Complementary resistance genes in wheat selection 'Avocet R' confer resistance to stripe rust. *Theoretical and Applied Genetics*, 129(1), 65-76. [More Information]

Dracatos, P., Nansamba, M., Berlin, A., Park, R., Niks, R. (2016). Isolate specificity and polygenic inheritance of resistance in barley to the heterologous rust pathogen *Puccinia graminis* f. sp. *avenae*. *Phytopathology*, 106(9), 1029-1037. [More Information]

Dracatos, P., Payne, J., Di Pietro, A., Anderson, M., Plummer, K. (2016). Plant Defensins NaD1 and NaD2 Induce Different Stress Response Pathways in Fungi. *International Journal of Molecular Sciences*, 17(9), 1-8. [More Information]

Dracatos, P., Khatkar, M., Singh, D., Stefanato, F., Park, R., Boyd, L. (2016). Resistance in Australian barley (*Hordeum vulgare*) germplasm to the exotic pathogen *Puccinia striiformis* f. sp. *hordei*, causal agent of stripe rust. *Plant Pathology*, 65(5), 734-743. [More Information]

2015

Dracatos, P., Zhang, P., Park, R., McIntosh, R., Wellings, C. (2015). Complementary resistance genes in wheat selection Avocet R conferring resistance to stripe rust. *BGRI 2015 Technical Workshop*, Sydney: BGRI 2015.

Elmansour, H., Zhang, P., Dracatos, P., Singh, D., Park, R. (2015). Cytogenetic analysis and molecular mapping of resistance in barley to *Puccinia striiformis*. *BGRI 2015 Technical Workshop*, Sydney: BGRI 2015.

Dracatos, P., Singh, D., Bansal, U., Park, R. (2015). Identification of new sources of adult plant resistance to *Puccinia hordei* in international barley (*Hordeum vulgare* L.) germplasm. *European Journal of Plant Pathology*, 141(3), 463-476. [More Information]

Park, R., Golegaonkar, P., Derevnina, L., Sandhu, K., Karaoglu, H., Elmansour, H., Dracatos, P., Singh, D. (2015). Leaf Rust of Cultivated Barley: Pathology and Control. *Annual Review of Phytopathology*, 53, 565-589. [More Information]

Zhang, P., Dracatos, P., Park, R., McIntosh, R., Wellings, C. (2015). Molecular cytogenetic characterisation of wheat lines carrying the YrA resistance to stripe rust. *BGRI 2015 Technical Workshop*, Sydney: BGRI 2015.

Dracatos, P., Singh, D., Fetch, T., Park, R. (2015). Resistance to *Puccinia graminis* f. sp. *avenae* in Barley Is Associated with the Rpg5 Locus. *Phytopathology*, 105(4), 490-494. [More Information]

Singh, D., Dracatos, P., Derevnina, L., Zhou, M., Park, R. (2015). Rph23: A new designated additive adult plant resistance gene to leaf rust in barley on chromosome 7H. *Plant Breeding*, 134(1), 62-69. [More Information]

2014

Dracatos, P., Khatkar, M., Singh, D., Park, R. (2014). Genetic mapping of a new race specific resistance allele effective to *Puccinia hordei* at the Rph9/Rph12 locus on chromosome 5HL in barley. *BMC Plant Biology*, 14, 1-12. [More Information]

Dracatos, P., Ayliffe, M., Khatkar, M., Fetch, T., Singh, D., Park, R. (2014). Inheritance of Prehaustorial Resistance to *Puccinia graminis* f. sp. *avenae* in Barley (*Hordeum vulgare* L.). *Molecular Plant - Microbe Interactions*, 27(11), 1253-1262. [More Information]