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Linking the gene regulatory network with the functional physical structure of whole-genome engineered Arabidopsis mutants : an HR-MAS NMR-based metabolomics approach

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List of publications

D. Augustijn, U. Roy, R. van Schadewijk, H.J.M. de Groot, A. Alia. *Metabolic profiling of intact Arabidopsis thaliana leaves during circadian cycle using ^1H high-resolution magic angle spinning NMR*. PLoS One. 2016;11: e0163258

N. van Tol, M. Rolloos, **D. Augustijn**, A. Alia, H.J.M. de Groot, P.J.J. Hooykaas, B.J. van der Zaal. *An Arabidopsis mutant with high operating efficiency of Photosystem II and low chlorophyll fluorescence*. Sci Rep. Nature Publishing Group; 2017;7: 3314

N. van Tol, M. Rolloos, J.E. Pinas, C.V. Henkel, **D. Augustijn**, P.J.J. Hooykaas, B.J. van der Zaal. *Enhancement of Arabidopsis growth characteristics using genome interrogation with artificial transcription factors*. PLoS One. 2017;12: e0174236

D. Augustijn, N. van Tol, B.J. van der Zaal, H.J.M. de Groot, A. Alia. *Different growth-defence trade-off in Arabidopsis thaliana mutants with enhanced growth characteristics*. Submitted

D. Augustijn, N. van Tol, B.J. van der Zaal, H.J.M. de Groot, A. Alia. *Contrasting metabolite levels and a robust circadian rhythm in Arabidopsis thaliana mutants with enhanced growth characteristics*. Manuscript in preparation

D. Augustijn, N. van Tol, B.J. van der Zaal, H.J.M. de Groot, A. Alia. *Metabolic profiling of the Arabidopsis thaliana mutant LCF1*. Manuscript in preparation

D. Augustijn, H.J.M. de Groot, A. Alia. *Studying plant metabolomics by HR-MAS NMR*. Review manuscript in preparation

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