

Aberystwyth University

Implementation of genomic prediction in Lolium perenne (L.) breeding populations

Grinberg, Nastasiya; Lovatt, Alan; Hegarty, Matthew; Macfarlane, Andrea Caroline; Skot, Kirsten; Kelly, Rhys; Blackmore, Tina; Thorogood, Danny; King, Ross D.; Armstead, Ian; Powell, Wayne; Skot, Leif

Published in: Frontiers in Plant Science

DOI 10.3389/fpls.2016.00133

Publication date: 2016

Citation for published version (APA):

Grinberg, N., Lovatt, A., Hegarty, M., Macfarlane, A. C., Skot, K., Kelly, R., Blackmore, T., Thorogood, D., King, R. D., Armstead, I., Powell, W., & Skot, L. (2016). Implementation of genomic prediction in Lolium perenne (L.) breeding populations. *Frontiers in Plant Science*, *7*(FEB2016), Article 133. https://doi.org/10.3389/fpls.2016.00133

Document License CC BY

General rights

Copyright and moral rights for the publications made accessible in the Aberystwyth Research Portal (the Institutional Repository) are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

• Users may download and print one copy of any publication from the Aberystwyth Research Portal for the purpose of private study or You may not further distribute the material or use it for any profit-making activity or commercial gain

- You may freely distribute the URL identifying the publication in the Aberystwyth Research Portal

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

tel: +44 1970 62 2400 email: is@aber.ac.uk



Supplementary Material

Implementation of genomic prediction in *Lolium perenne* (L.) breeding populations

Nastasiya F. Grinberg¹, Alan Lovatt², Matt Hegarty², Andi Lovatt², Kirsten P. Skøt², Rhys Kelly², Tina Blackmore², Danny Thorogood², Ross King¹, Ian Armstead², Wayne Powell^{2,3}, Leif Skøt^{2*}

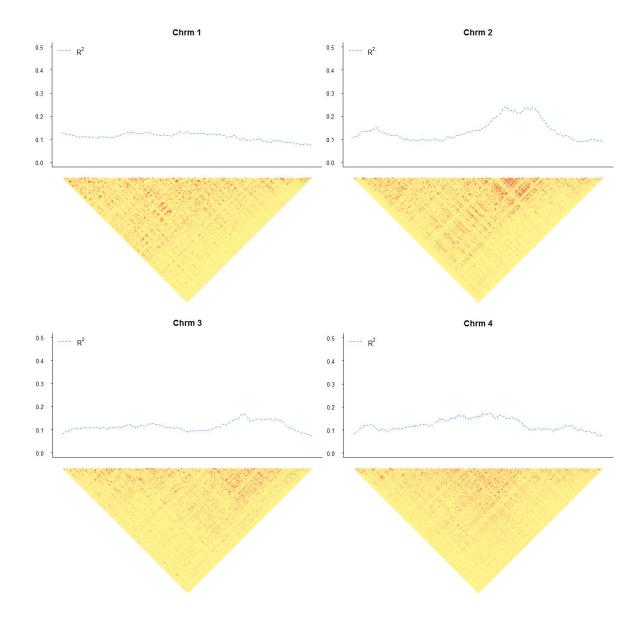
¹Manchester Institute of Biotechnology, University of Manchester, Manchester, UK

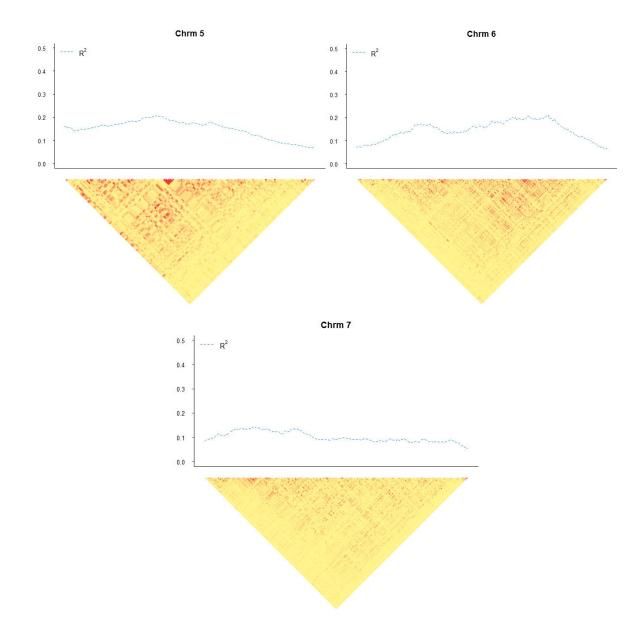
²Institute of Biological, Environmental and Rural Sciences, Aberystwyth University, Aberystwyth, UK

³CGIAR Consortium, CGIAR Consortium Office, 1000 Avenue Agropolis 34394, Montpellier, France

* Correspondence: Leif Skøt, E-mail: lfs@aber.ac.uk

1.1 Supplementary Figures





Supplementary Figure 1. Landscape plot and heatmaps of linkage disequilibrium in the *L. perenne* breeding populations. The landscape plots were based on a windows size of n=40, as described in Materials and Methods.