

Online Resource 2

Article Title: Genomic Assisted Selection for Enhancing Line Breeding: Merging Genomic and Phenotypic Selection in Winter Wheat Breeding Programs with Preliminary Yield Trials

Journal: Theoretical and Applied Genetics

Authors: Sebastian Michel, Christian Ametz, Huseyin Gungor, Batuhan Akgöl, Doru Epure, Heinrich Grausgruber, Franziska Löschenberger, Hermann Buerstmayr

Name, affiliation, and email of corresponding author:

Hermann Buerstmayr
Department for Agrobiotechnology (IFA-Tulln)
Institute for Biotechnology in Plant Production
University of Natural Resources and Life Sciences, Vienna (BOKU)
Konrad-Lorenz-Str. 20, 3430 Tulln, Austria
e-mail: hermann.buerstmayr@boku.ac.at

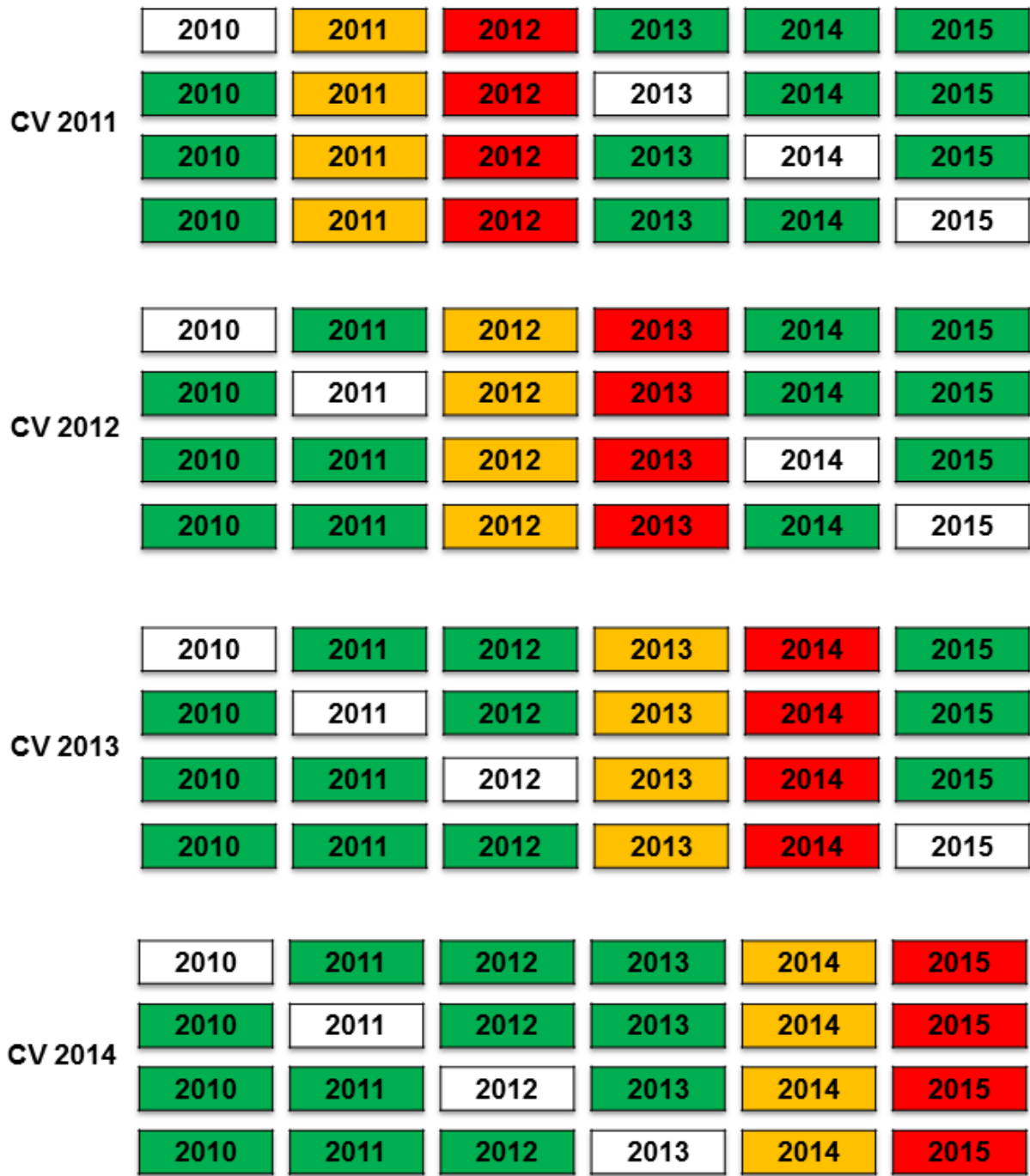


Fig. S2 Cross-validation scheme used for comparing the different selection methods. Genomic selection models were fitted with training populations of 180 lines, where 60 lines of this training population came from 3 different years (green). Phenotypic and genomic assisted selection included additional data from the year of a preliminary yield trial (orange). All models were validated with a validation population of lines retested in multi-environment trials following the year of a preliminary yield trial (red).