



P L A N T & A N I M A L G E N O M E X X I I I

The Largest Ag-Genomics Meeting in the World.

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P1196

SNPGreen: A Database to Navigate Across Plant SNP Arrays

Date: Monday, January 12, 2015

Room:

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In recent years, the use of genomic information in plant and animal species for genetic improvement, and related fields has become routine. In order to accommodate market requirements (i.e. genotyping cost), manufacturers of single nucleotide polymorphism (SNP) arrays, private companies and international consortia have developed a large number of arrays with different content and different SNP density. The number of currently available SNP arrays differs among species. There is a strong need to standardize and integrate array- specific (e.g. SNP IDs, allele coding) and species-specific (i.e. assemblies) SNP information. After the very positive response to SNPChiMp (bioinformatics.tecnoparco.org/SNPchimp), where we store and provide tools for the 6 major livestock species and more than 20 SNP arrays, we are now extending our family of tools to plant species. SNPGreen (bioinformatics.tecnoparco.org/SNPgreen) currently includes 3 SNP arrays for Rice and Maize.

Handouts

[2015 - Nicolazzi \(POSTER\) - PAG-XXII - SNPGreen.pdf \(1.4 MB\)](#)

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