

BOVITA Project

Perspectives

Extension of this approach to all the Italian cattle breeds

More contrasted climate subtypes

Mastrangelo et al. Genet Sel Evol (2018) 50:35 https://doi.org/10.1186/s12711-018-0406-x



RESEARCH ARTICLE

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Conservation status and historical relatedness of Italian cattle breeds



Southern and islands (blue) breeds, For full definition of breeds (see Additional file 2: Table S1)

Detecting footprints of selection in the genome of Mediterranean and Alpine cattle breeds





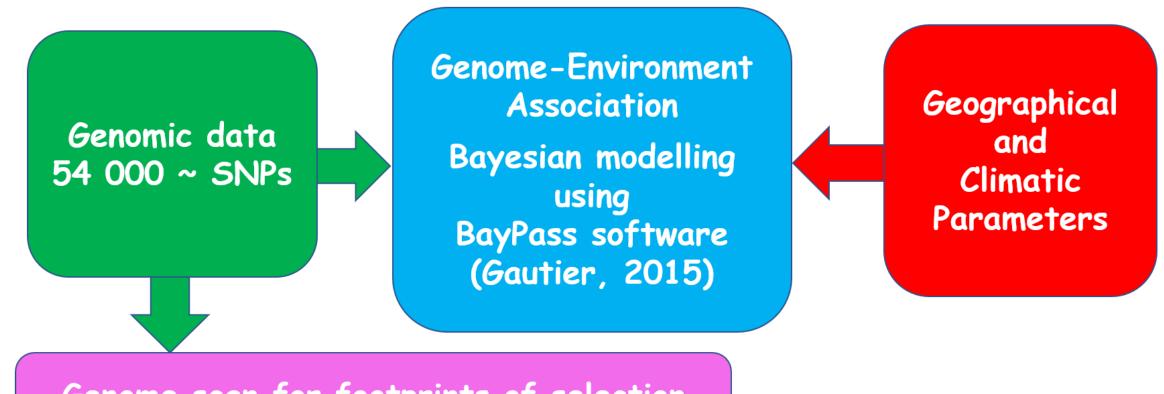
Identifying the main functions in which candidate genes are involved

2

Detecting regions and candidate genes under selection associated with climate

Materials and Methods

Combining SNPs genotypes with climatic and geographic parameters to identify candidate genes for adaptative physiological characteristics



Genome scan for footprints of selection
BayPass software (Gautier, 2015)

THANKS FOR YOUR ATTENTION

