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Abstract – SY39

THE OLGENOME WEB PORTAL: A USER-FRIENDLY WORKING TOOL FOR PROJECT PARTNERS AND RESULTS DISSEMINATION

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Olive (*Olea europaea* L. subsp. *europaea* var. *europaea*) is the oldest tree crop in the Mediterranean basin and represents an economically important oil crop. The olive scientific community has put forth its best effort to assemble and release the genomic sequences of both wild and cultivated varieties. In order to improve the quality and completeness of the genome assemblies of olive, in light of the upcoming advances in sequencing technologies (e.g., 3rd-generation sequencing) and new algorithm-derived assemblers, a project named OLGENOME was funded by the Ministry of Agricultural Food and Forestry Policies. The main aim of this project is to complete the olive tree genome sequencing of the Italian olive cultivar Leccino and to obtain gene expression data useful to identify genes involved in the mechanisms controlling characters of interest. In the context of OLGENOME project a Web Portal has been designed, provisioned and deployed on the internet. A first version was created, currently available at the domain olgenome.crea.gov.it. The portal represents a very useful tool for results dissemination of the OLGENOME, but it also is a valid working platform for the project partners. BLAST searches of aminoacidic and nucleotide sequences on genomes, proteins, genes and transcripts produced during the project can be performed within the reserved area. A Genome Browser has been set up in order to visualize different kinds of biological data in a quick and effective way, directly from the web interface and without long loading processes by the users within the partnership of the project. Moreover, the OLGENOME portal is optimized for web accessibility and visually impaired users.

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