The genetic architecture of fruit quality and nutritional traits in Solanaceous crops

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INVITED TALK

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In the frame of the G2P-SOL project, core collections representative of the worldwide genetic diversity of the four major Solanaceous crops (tomato, pepper, eggplant, potato) were created. These collections were phenotyped and subjected to metabolic profiling. Hundreds of novel metabolites have been identified and quantified, and QTLs have been mapped, both in the core collections and in segregating populations. The genetic architecture of some of these traits will be discussed in detail. Key words: Tomato, eggplant, pepper, nutritional traits

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