

**PROJECT TITLE**

Peach-almond introgression line metabolites-2

**CONSORTIUM**

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# SUMMARY OF THE REPORT

For the metabolomic analysis, the samples were prepared by extracting the flesh from fruit mesocarp of two almond x peach populations to study key metabolites and enzymes:

1) A set of lines with two introgressions from almond in the peach genome background (2IP)

2) Near Isogenic Line collection (NIL) in heterozygosity with a single introgression from almond in the peach background

These individuals were processed in the HiTMe platform of Bordeaux in November-December 2019 for metabolites (mainly sugars) and enzyme activities.

The results were then analyzed by principal component analysis (PCA) and box plot to see the variation in the population and among the replicates of the same individuals.