



One Health
Student Conference
USAMV București



Physicochemical and sensory analysis of several cultivars and new apricot hybrids

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Introduction



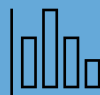
**Evaluate physico-chemical parameters
of different apricot varieties**



Introduction



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of different apricot varieties**



**Analyze intra- and inter-varietal
correlations**



Introduction



**Evaluate physico-chemical parameters
of different apricot varieties**



**Analyze intra- and inter-varietal
correlations**



**Compare analytical data with sensory
evaluation results**



Materials and methods

Harvesting





Materials and methods

Harvesting

**Physico-Chemical
Analyses**



San Castrese





Materials and methods

Harvesting

Physico-Chemical
Analyses

Sensory Evaluation



Person n.	Varety	Aspect general	Color	Firmness	Juiciness	Taste	Aroma
5	Sweet Cot	4	4	5	5	4	2
5	R2P11	4	4	4	4	4	4



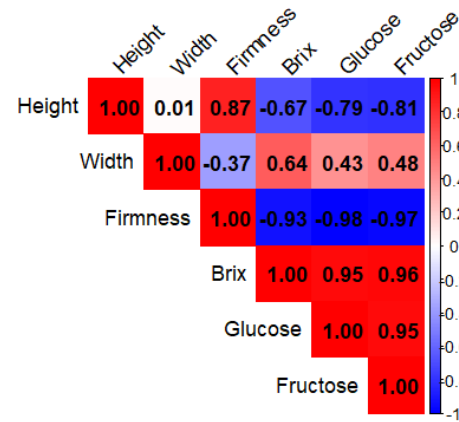
Materials and methods

Harvesting

Physico-Chemical
Analyses

Sensory Evaluation

Statistical Analysis



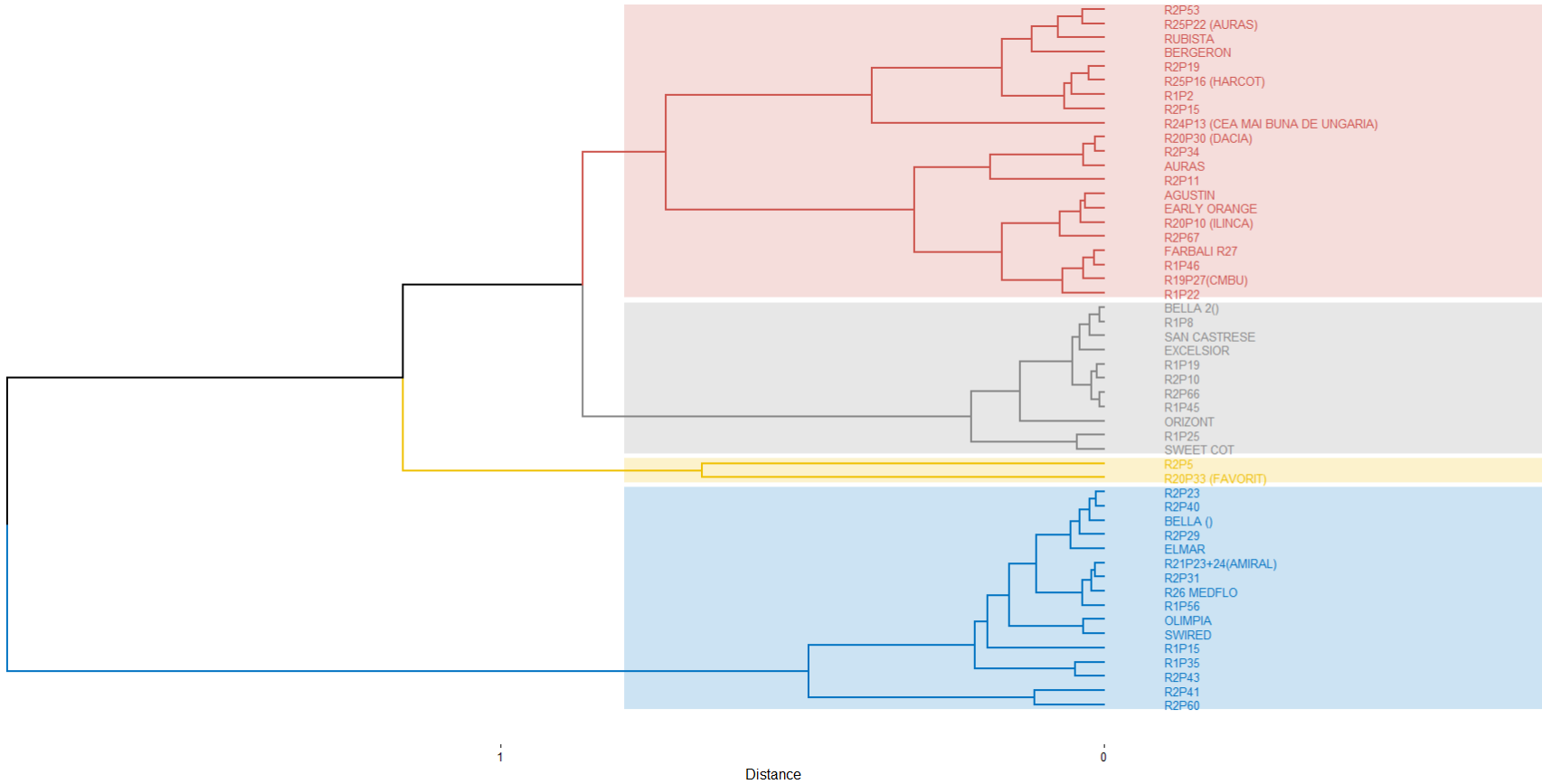
R2P11



R1P19

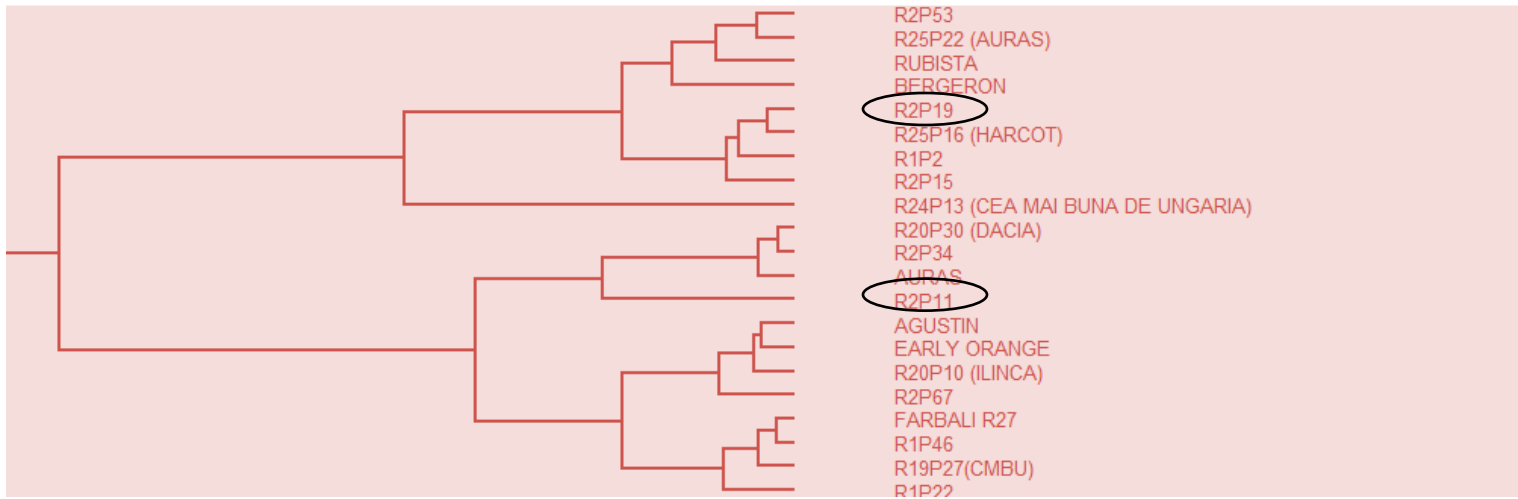


Results and discussions





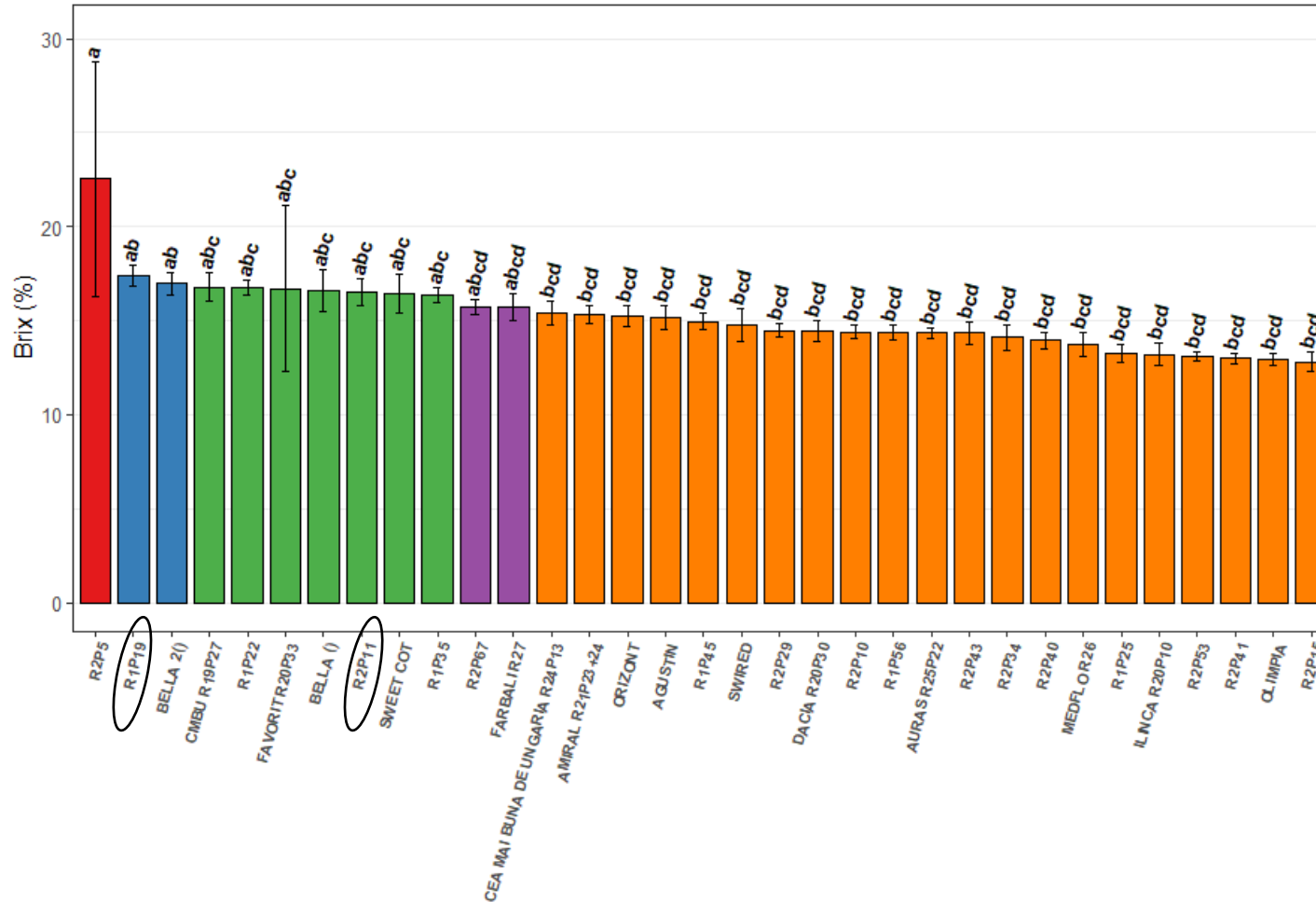
Results and discussions





Results and discussions

Statistical Comparison of Total Soluble Solids (Brix) Content in Apricot (Tukey Test)

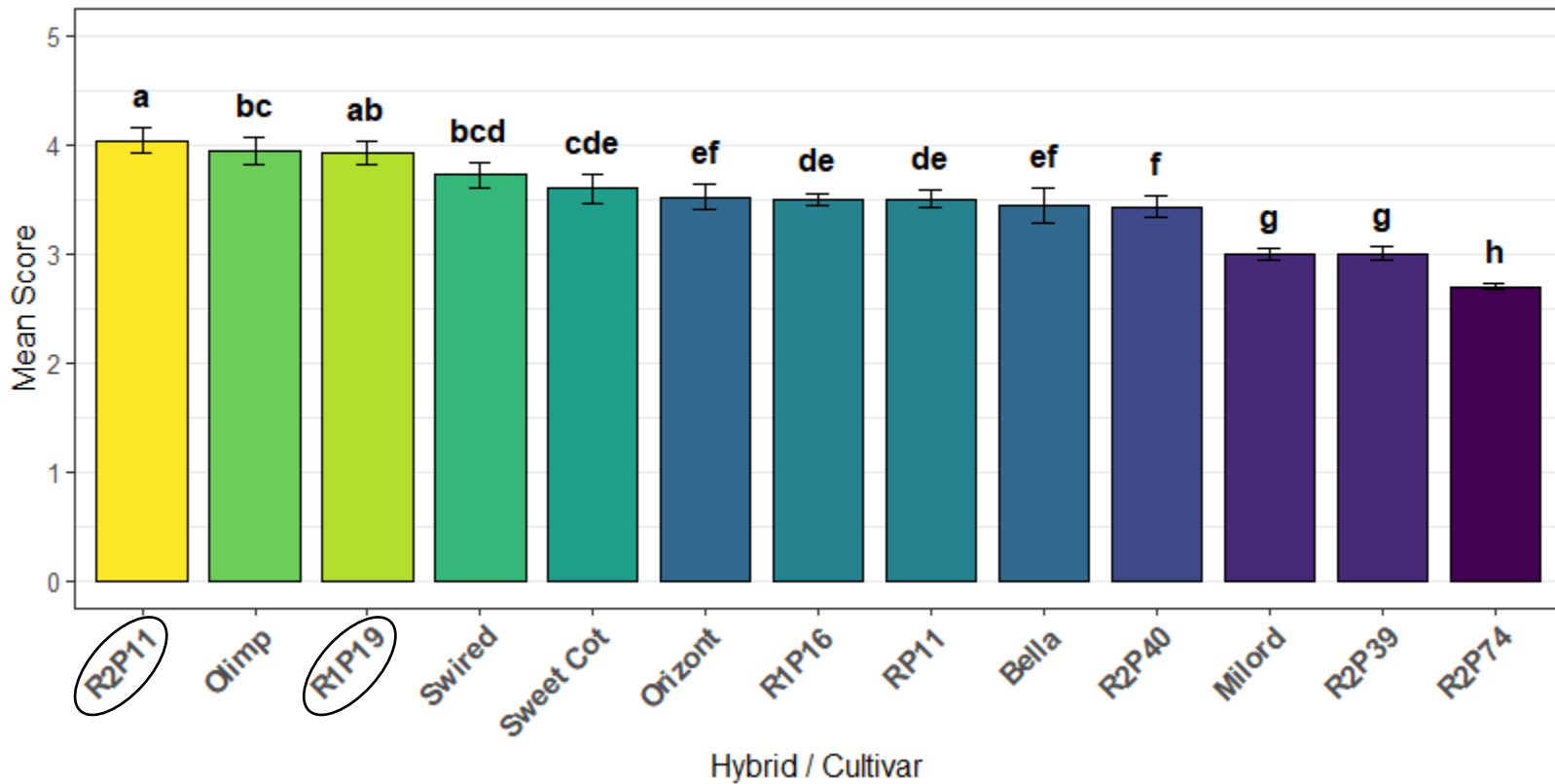


Accession (Hybrid / Cultivar) - Ordered by Brix Descending



Results and discussions

Sensory Evaluation (Taste)





Conclusions and recommendations

- Confirmation of the negative correlation between Firmness and °Brix (trade-off between shelf-life and taste);
- Identification of promising genotypes;
- Continuation of multi-year agronomic monitoring;
- Selection of the most promising genotypes;
- Subsequent commercial introduction

Thank you for your attention!

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