

#### Combining polarized sensory positionning and pivot profile©: what can we expect for wines?

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How does combining

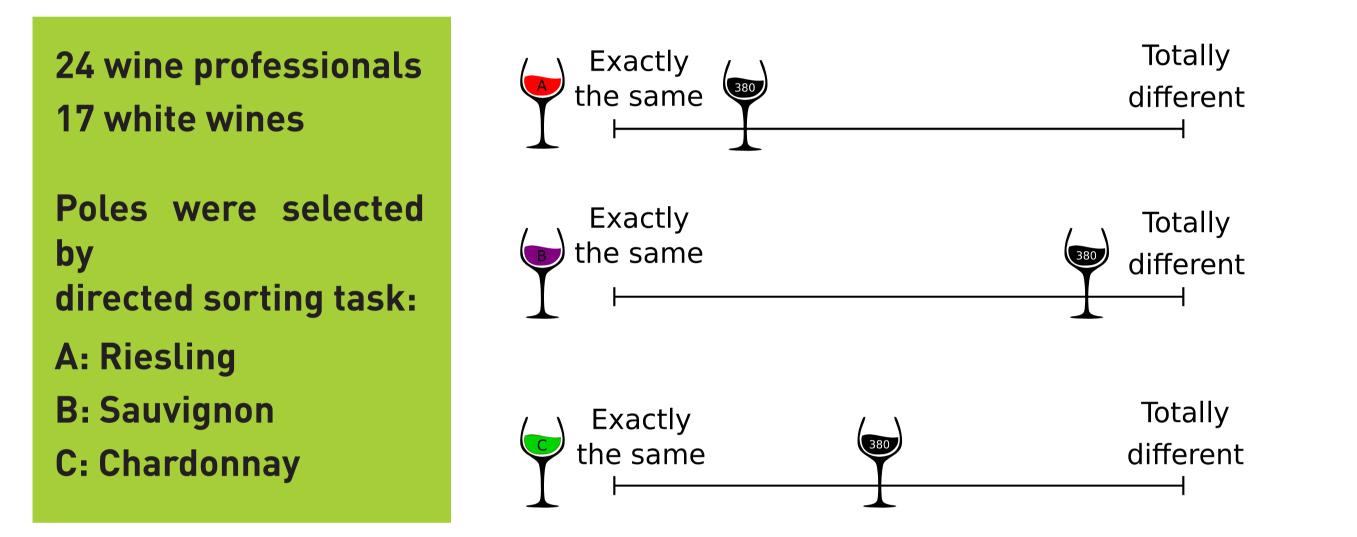
French wine professionals have recently been interested by wines made from resistant grape varieties, yet not much is known on these wines.

### Aim

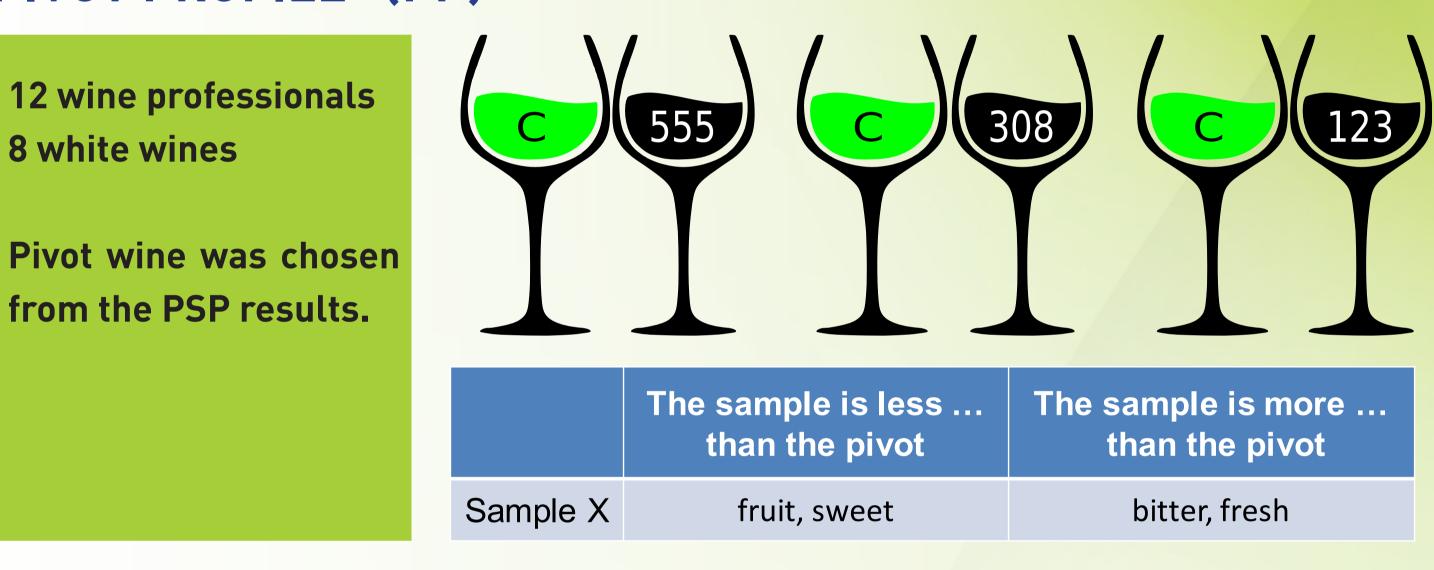
- To know whether these resistant grape varietal wines are sensory close to French well-known grape varietal wines
- To highlight the main sensory differences between resistant grape varietal wines and French well-known grape varietal wines

MATERIAL & METHODS

## **POLARIZED SENSORY POSITIONING (PSP)**



# **PIVOT PROFILE<sup>©</sup> (PP)**



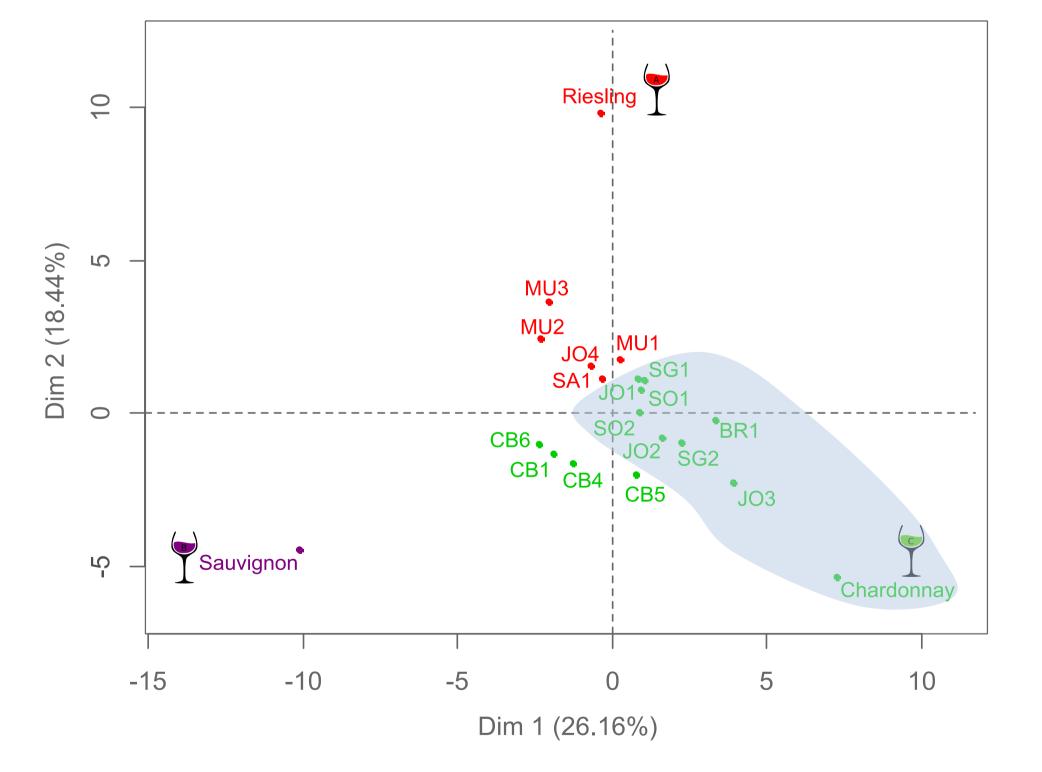
reference-based methods address those wine professionals' expectations?

# **RESULTS**

### **POLARIZED SENSORY POSITIONING**

Data were analyzed using Multiple Factor Analysis coupled to Hierarchical Ascending Classification. Each cluster is represented by a different color.

Poles were taken into account in the analysis and theoretically projected on the graph.



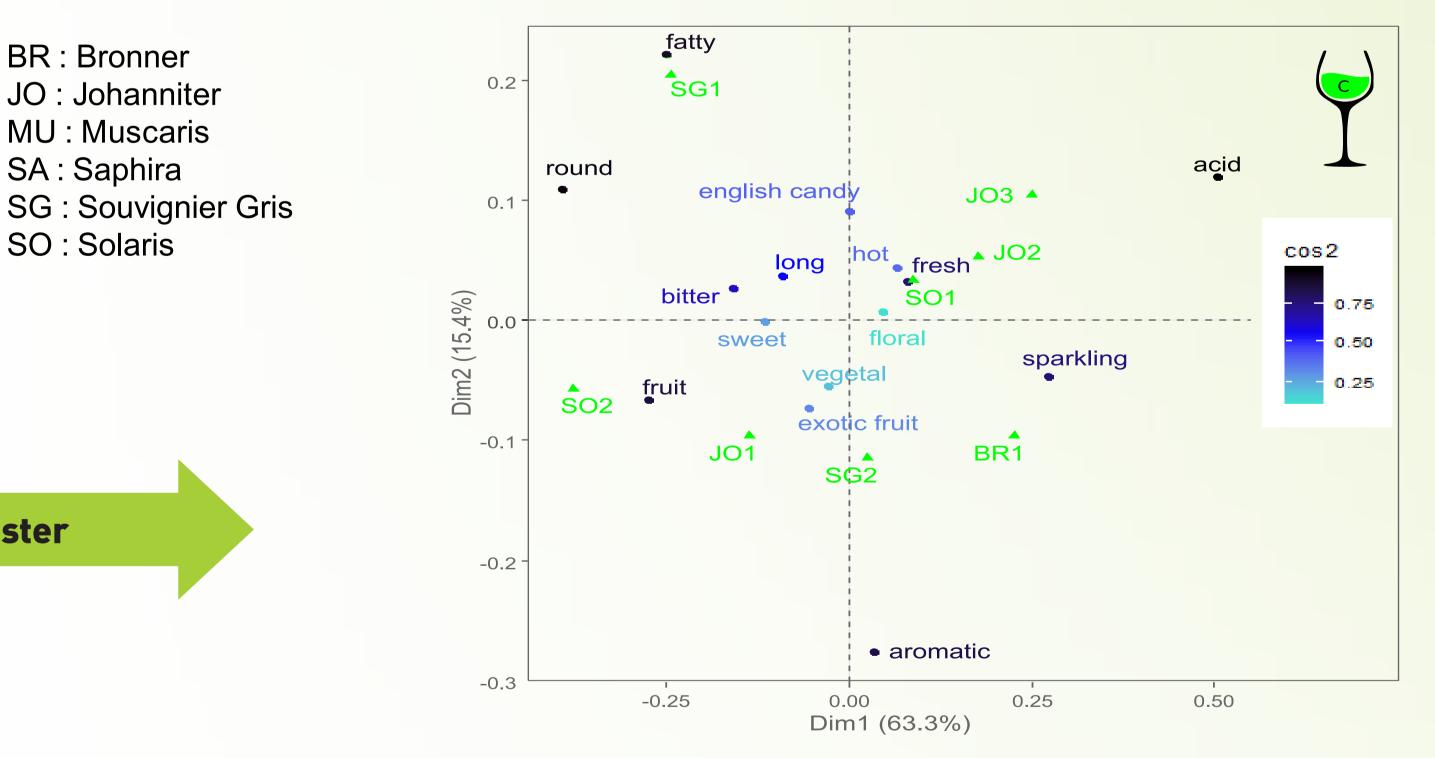


• Green group is closer to the pole Chardonnay than the other two • Red group is closer to the pole Riesling than the other two

# **PIVOT PROFILE**<sup>©</sup>

### Data were analyzed using Correspondence Analysis

Cos2 were added to better understand the representation of each descriptor on dimensions 1 and 2. Here the pivot was a Chardonnay



Due to the sensory proximity of resistant grape varietal wines with the Chardonnay, few descriptors were elicited by the wine professionals. Those descriptors are related to the aromas, tastes & in-mouth sensations.

**Diversity** among resistant grape varietal wines

- J01, J02 & J03 are close to the pole Chardonnay
- JO4 are close to the pole Riesling
- The poles are selected as Pivot wine according to their degree of sensory proximity with the resistant grape varietal wines.

PP allows to highlight the **diversity** among resistant grape varietal wines SG1 is more fatty and round than Chardonnay • SG2 is more exotic fruit and vegetal than Chardonnay • S01 is more fresh than Chardonnay • SO2 is more fruity than Chardonnay

# **DISCUSSION & CONCLUSION**

- PSP results showed sensory proximities between the resistant grape varietal wines and the selected Riesling and Chardonnay wines.
- PP highlighted additional information to the PSP about the main sensory characteristics of resistant grape varietal wines which are perceived as more or less intense than the closest pole.

**BR** : Bronner

JO: Johanniter

**MU** : Muscaris

SA : Saphira

SO : Solaris

CB : Cabernet Blanc

SG : Souvignier Gris

For each cluster

- This combination provides useful information to wine professionals by building a global sensory image of resistant grape varietal wines.
- Combining those two methods provided a better understanding among resistant grape varietal wines within reasonable time compared to classical methods. • It represents a promising tool for future wine industry questions.

To get more information about the results of this study, flash this QR

