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POCTEFA



Zaragoza, 9 de abril de 2019
Jornada de Clausura

Análisis del aroma de los vinos del proyecto VALOVITIS

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Universidad
Zaragoza

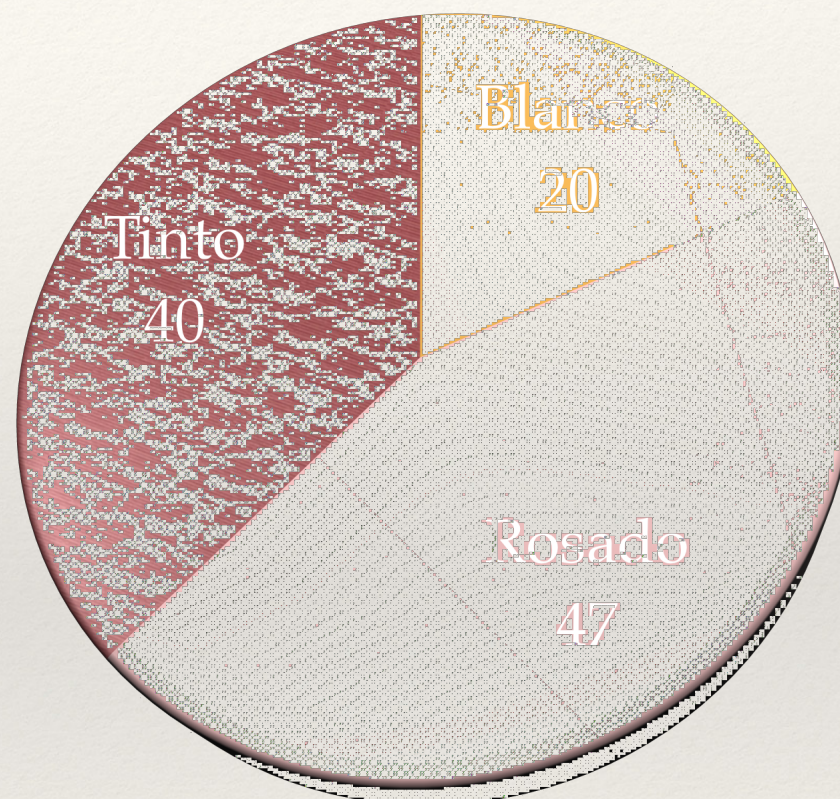
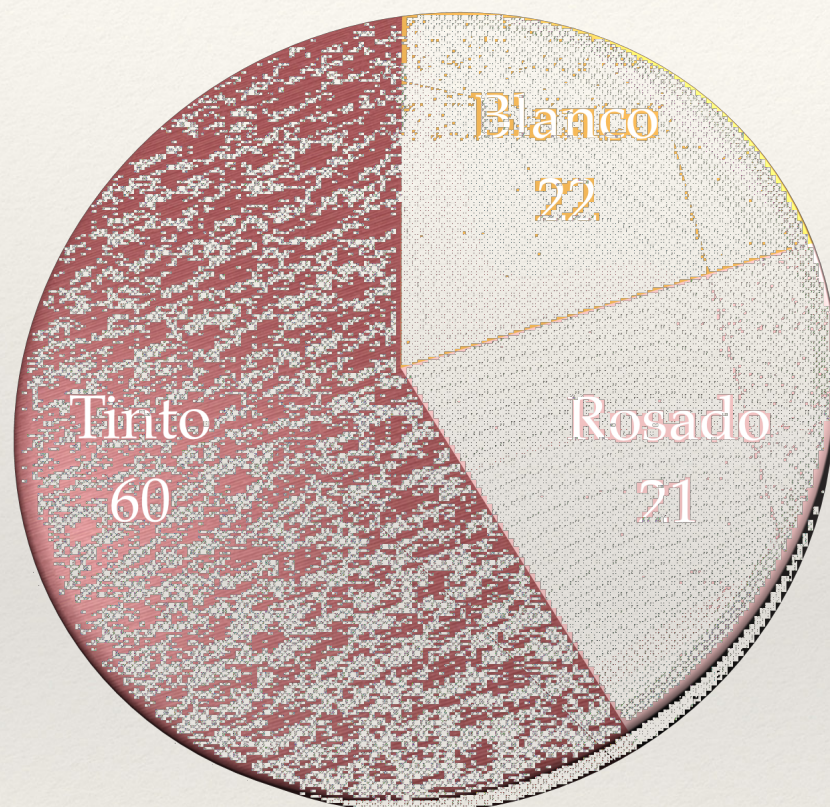


Contenido

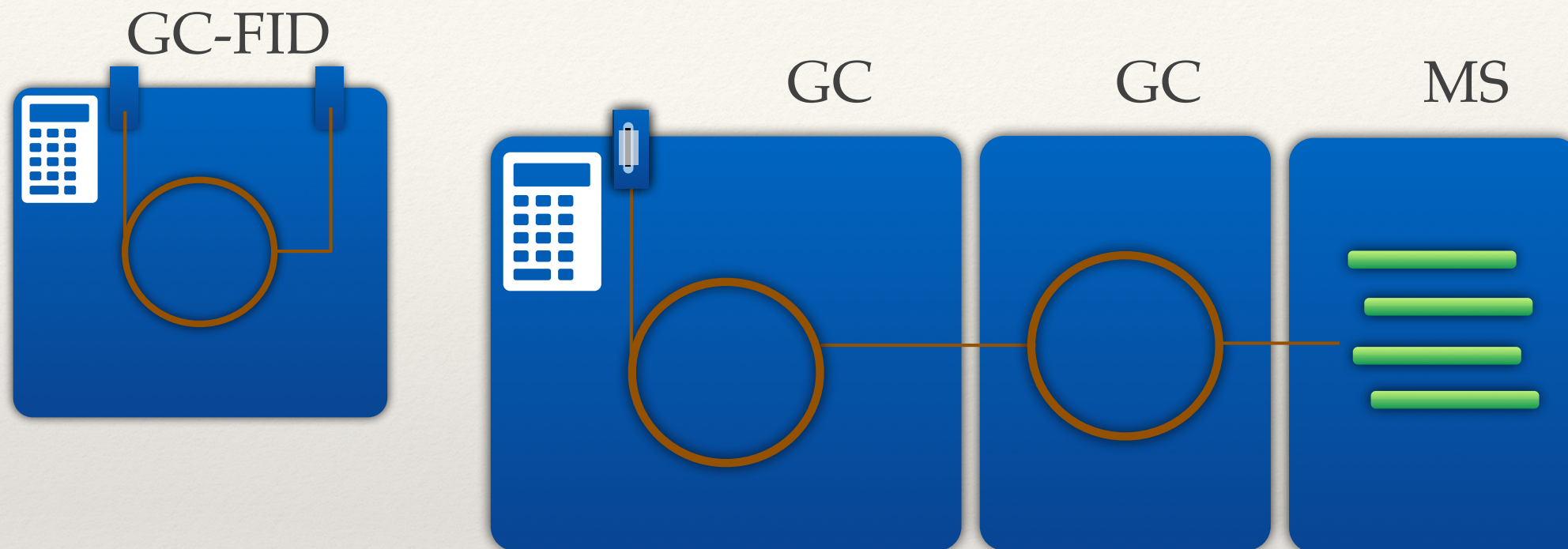
1. El aroma varietal del vino

2. Peculiaridades aromáticas de las variedades pirenaicas

Vinos elaborados



Análisis



4 métodos de análisis

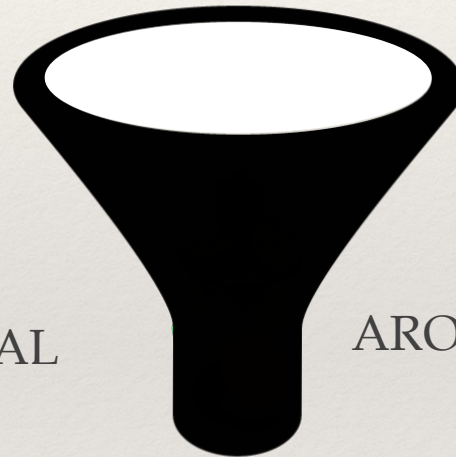
78 compuestos distintos analizados

Rango desde **mg/L** hasta **ng/L**

Filtrado de datos



>16.000 datos



VALOR UMBRAL

AROMA DE ORIGEN
VARIETAL

El aroma varietal

Alquilmtoxipirazinas



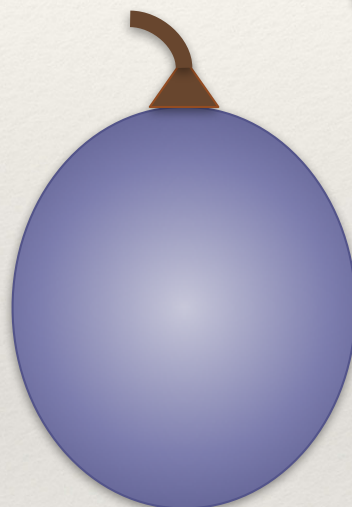
Sesquiterpenos:
rotundona



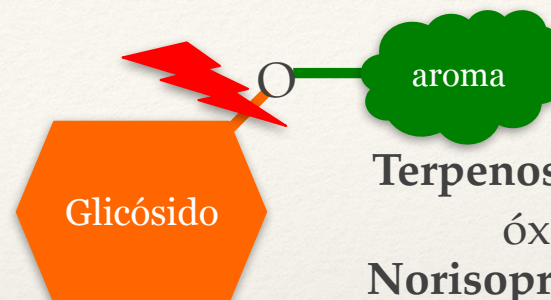
Ácidos hidroxicinnámicos:
cinnamatos, fenoles



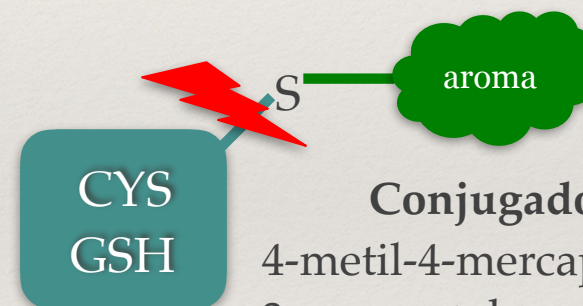
Precusores de VSCs:
H₂S, MeSH, DMS



Perfil de aminoácidos
y ácidos grasos:
Influencia en fermentativos



Terpenos: linalool, geraniol,
óxido de rosa,..
Norisoprenoides: TDN,
β-damascenona,..



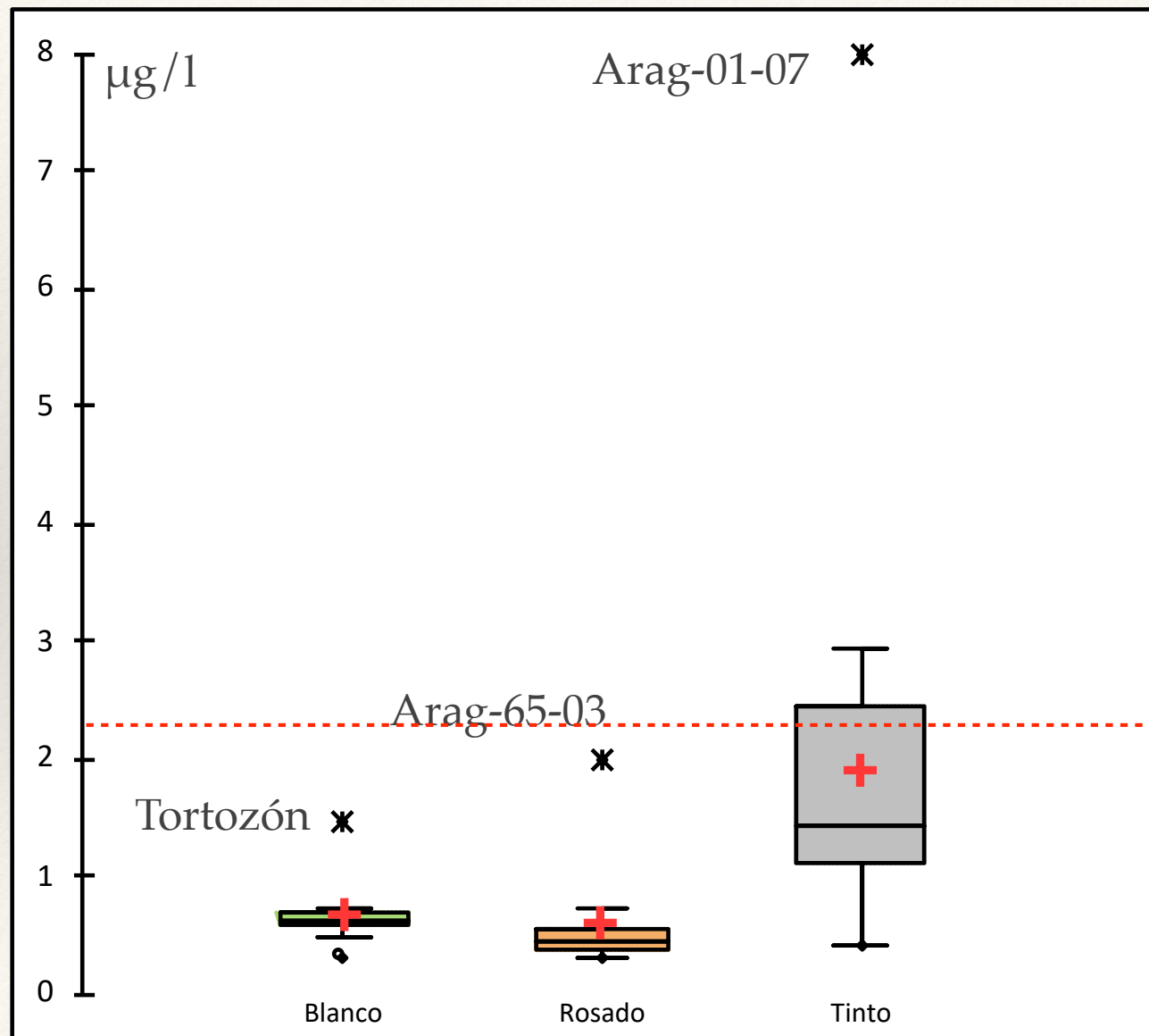
Conjugados con S:
4-metil-4-mercaptopentanona
3-mercaptohexanol (+acetato)



Peculiaridades aromáticas de las variedades estudiadas

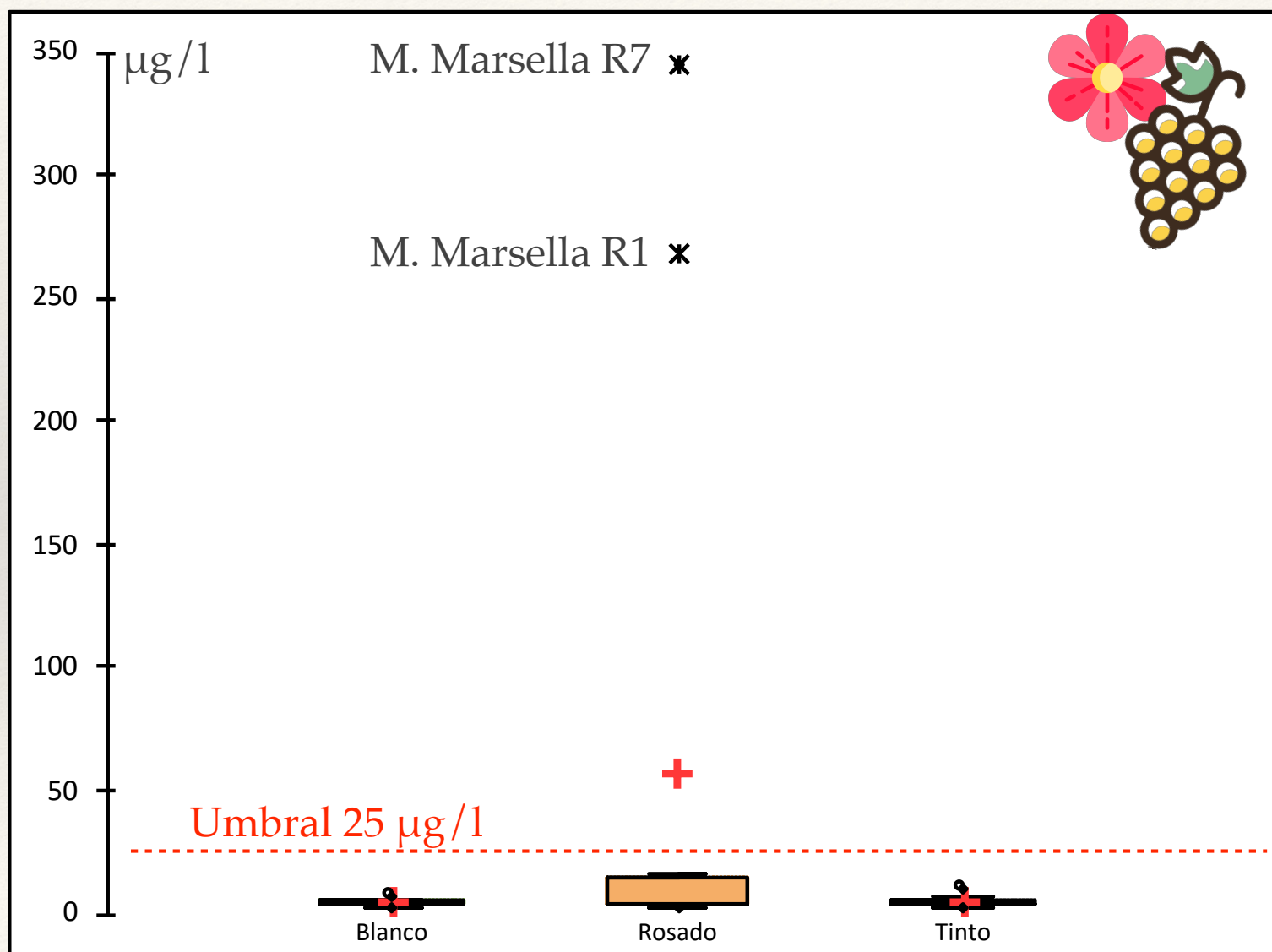
TDN

Riesling joven

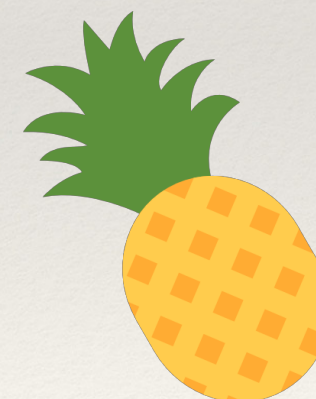
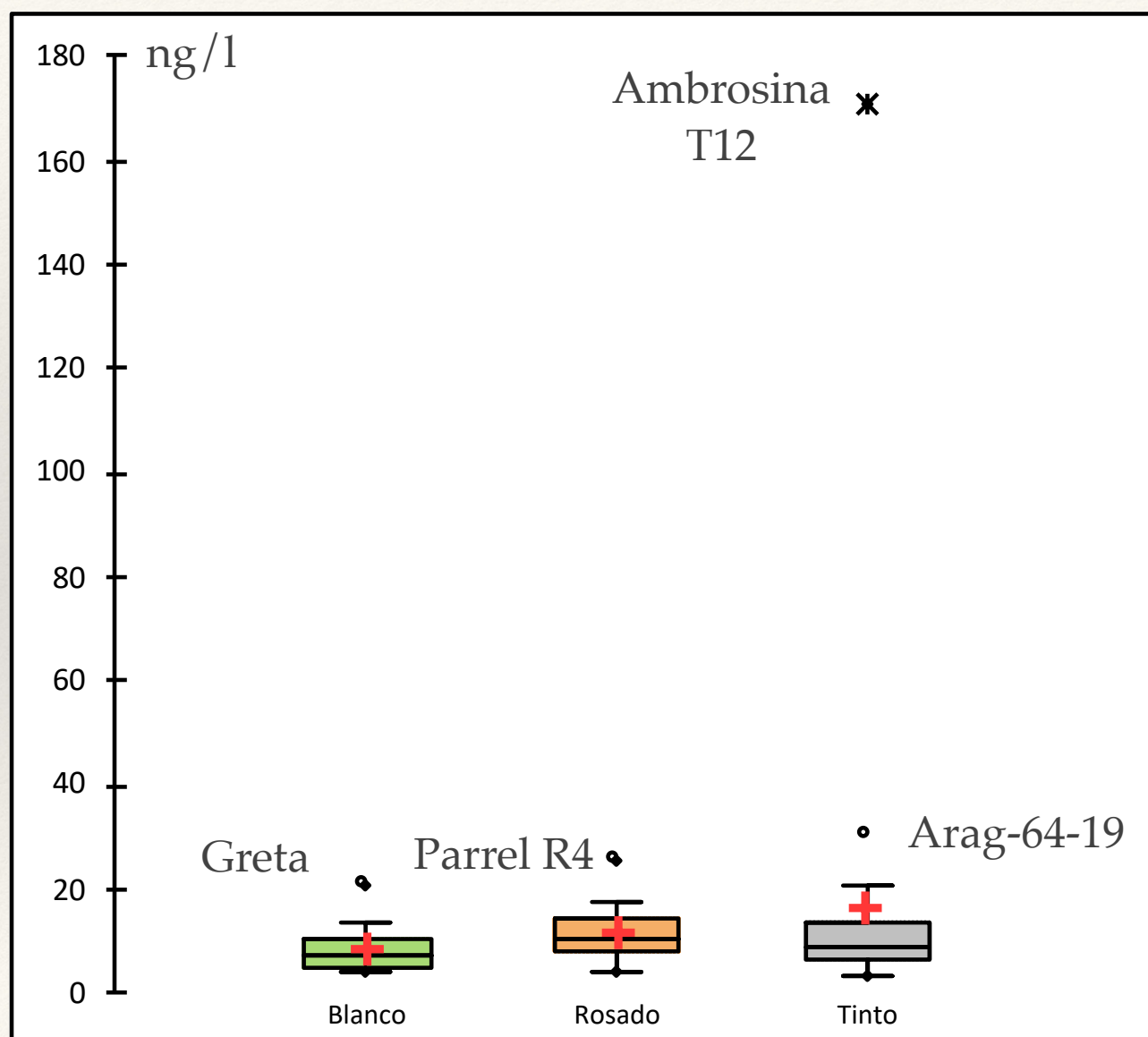


Umbral 2.3 ng/l

Linalool

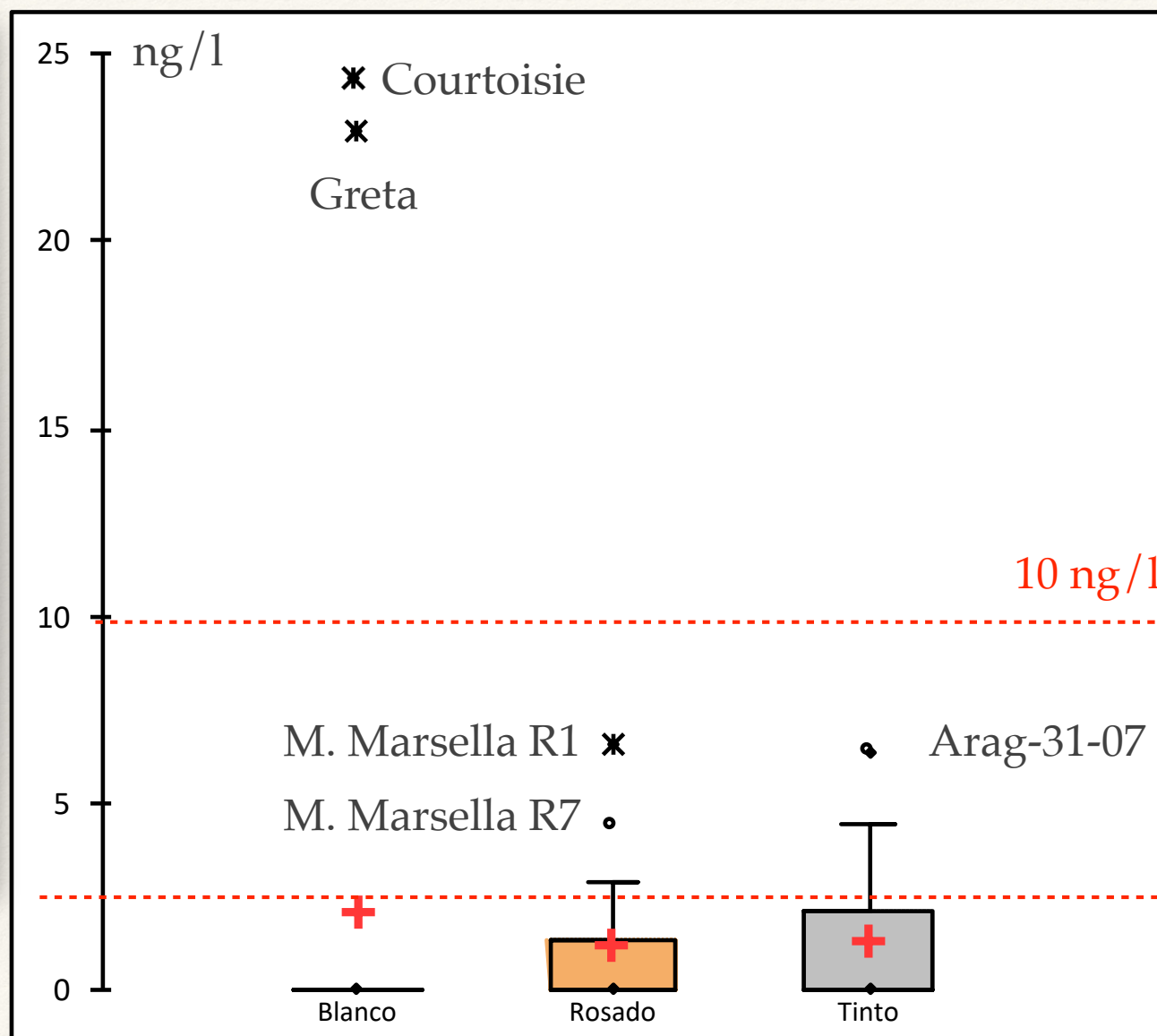


2-furfuriltiol



4-metil-4-mercapto-2-pentanona

Sauvignon blanc



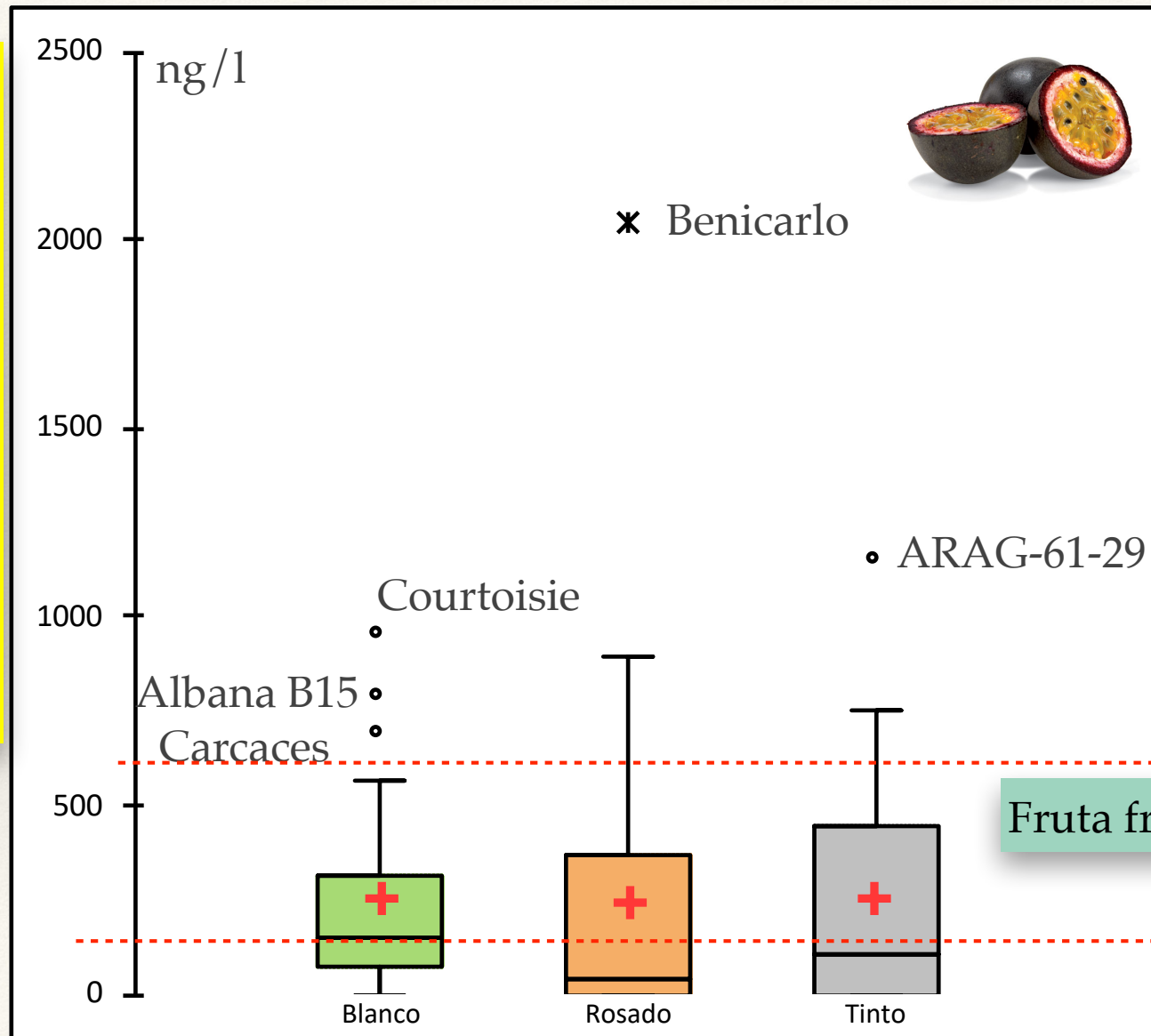
Boj

Fruta fresca

Umbral 2 ng/l

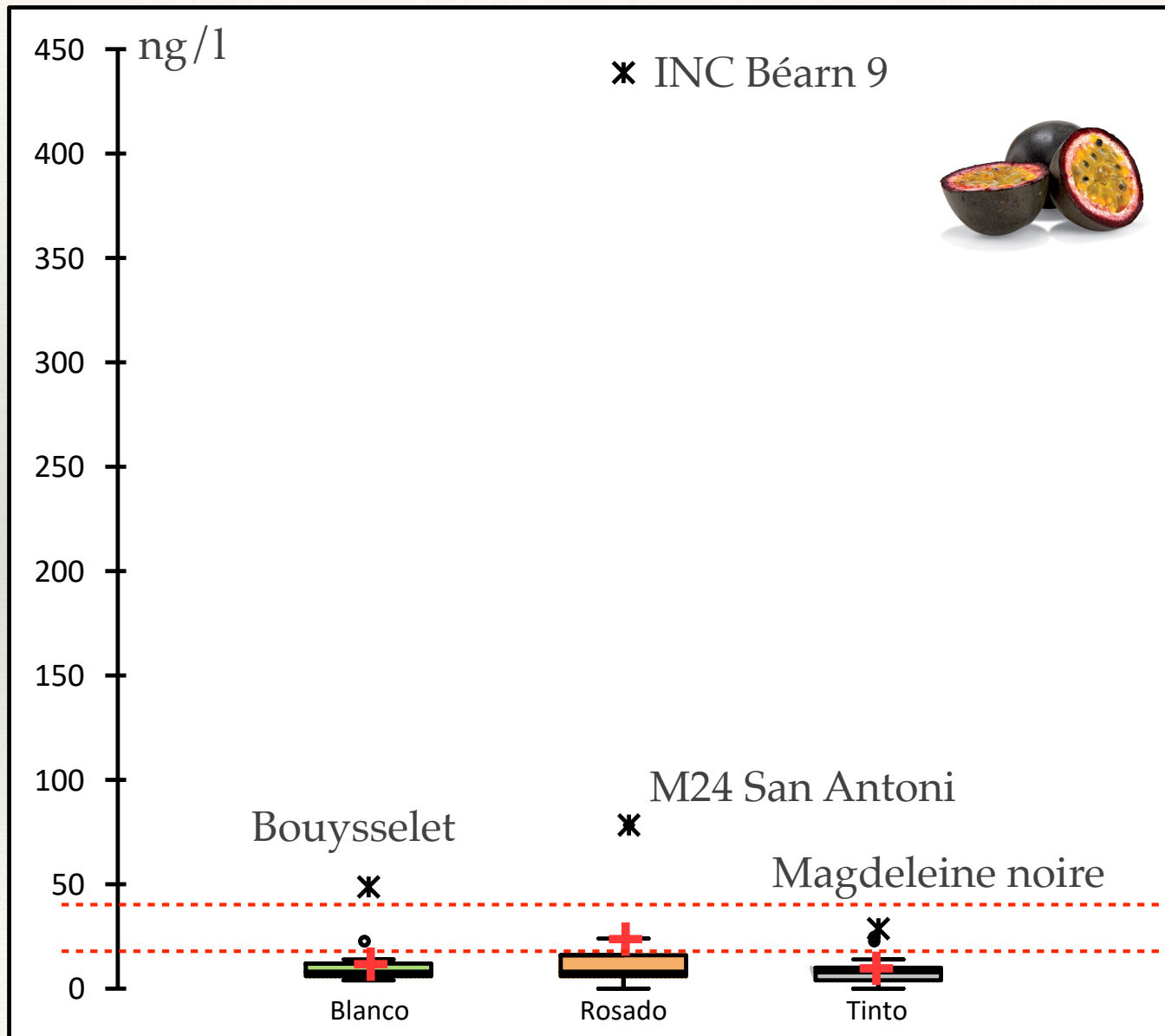
3-mercaptohexanol

Sauvignon blanc

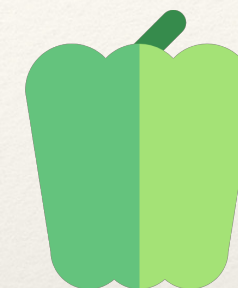
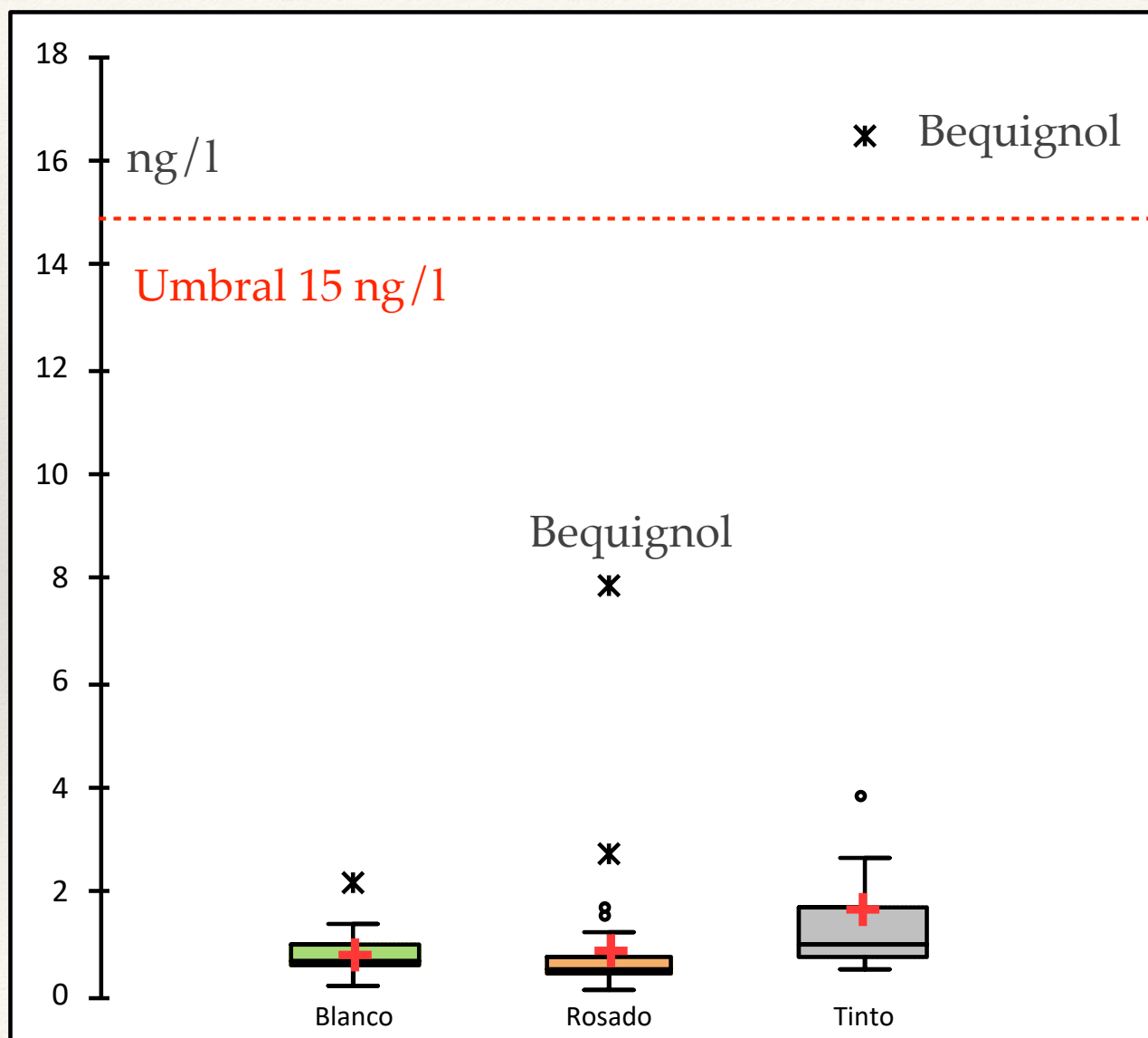


Acetato de mercaptohexilo

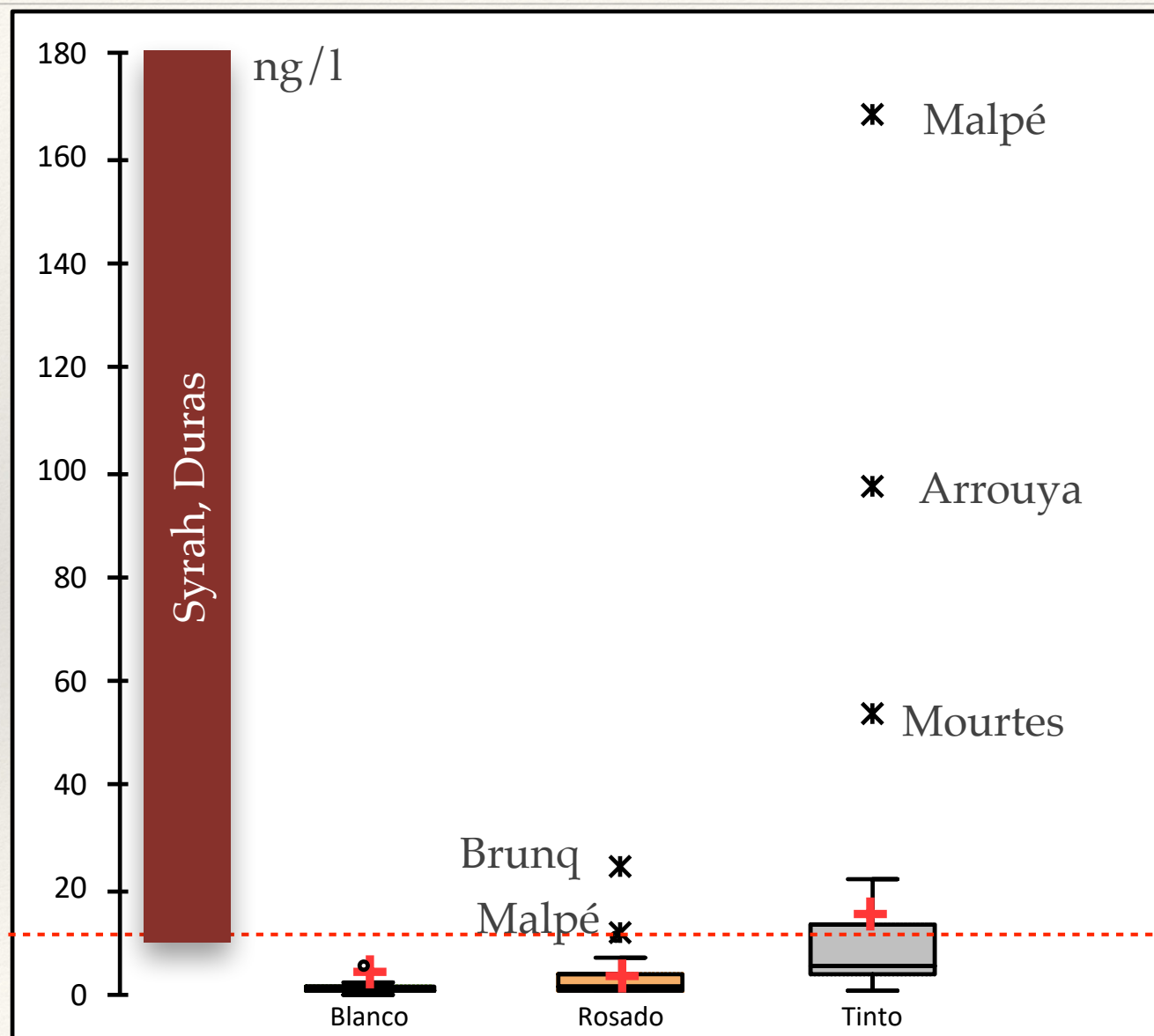
Sauvignon blanc (NZ)



Isobutilmetoxipirazina

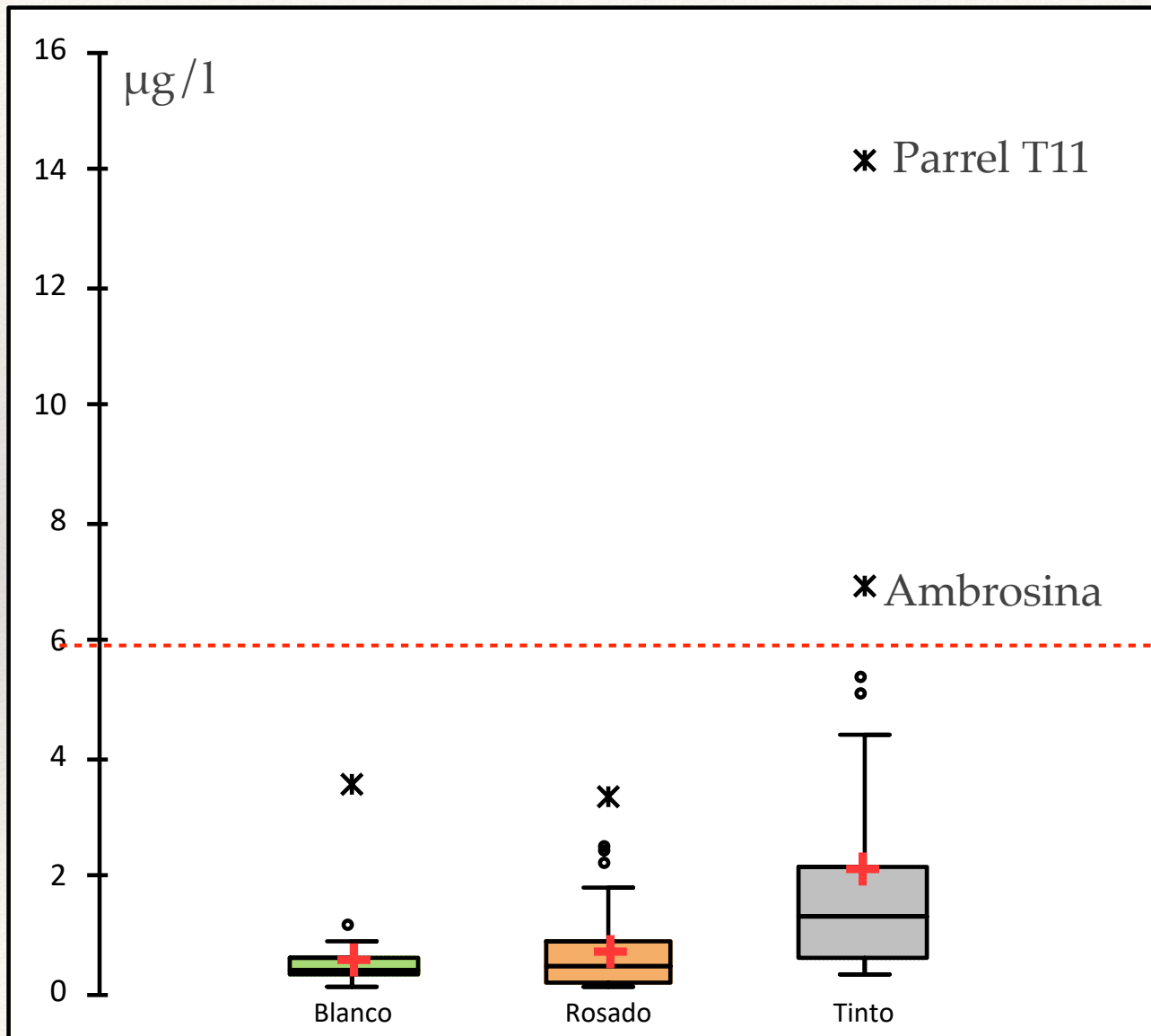


Rotundona



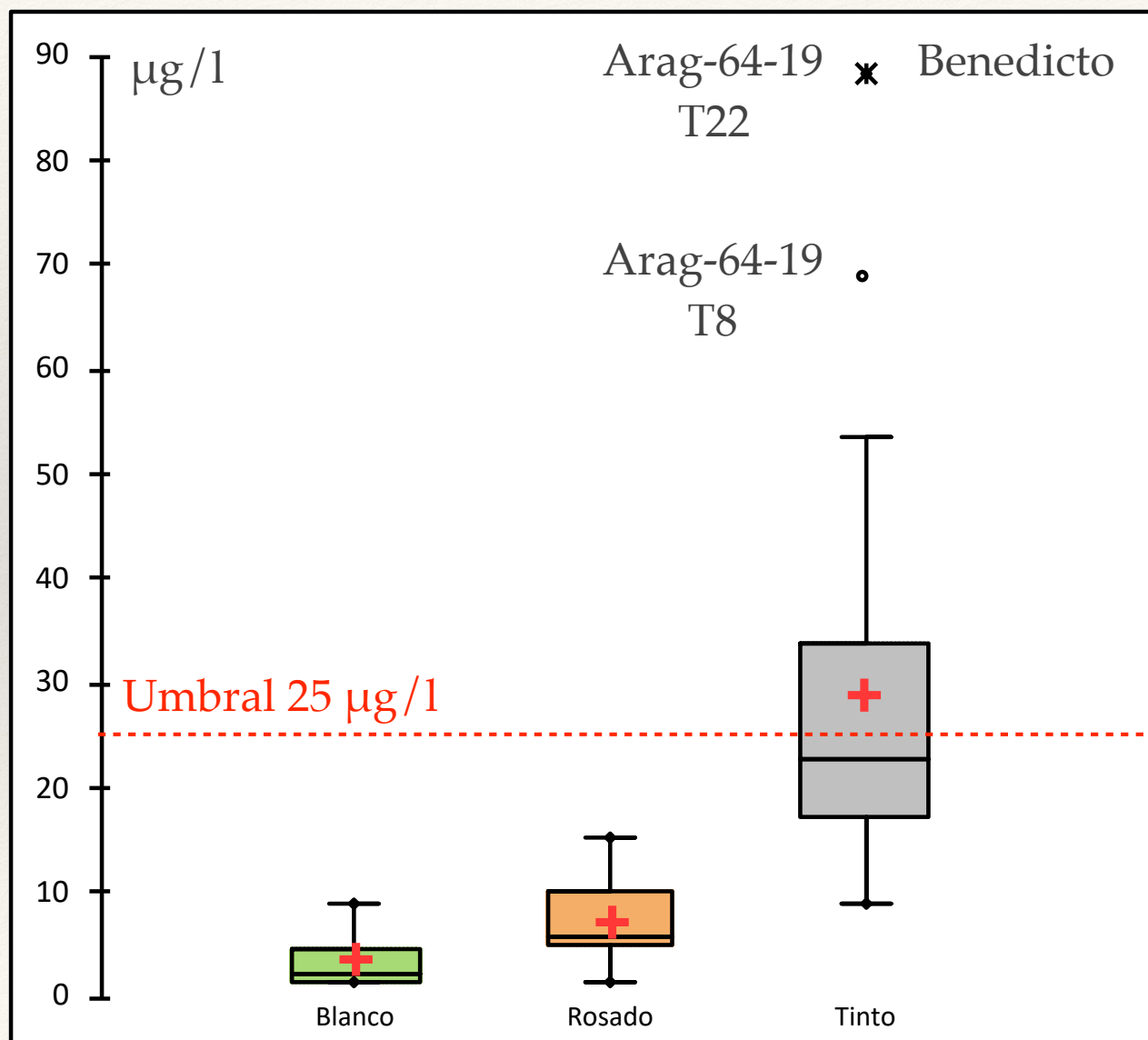
Umbral 16 ng/l

Eugenol

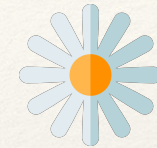
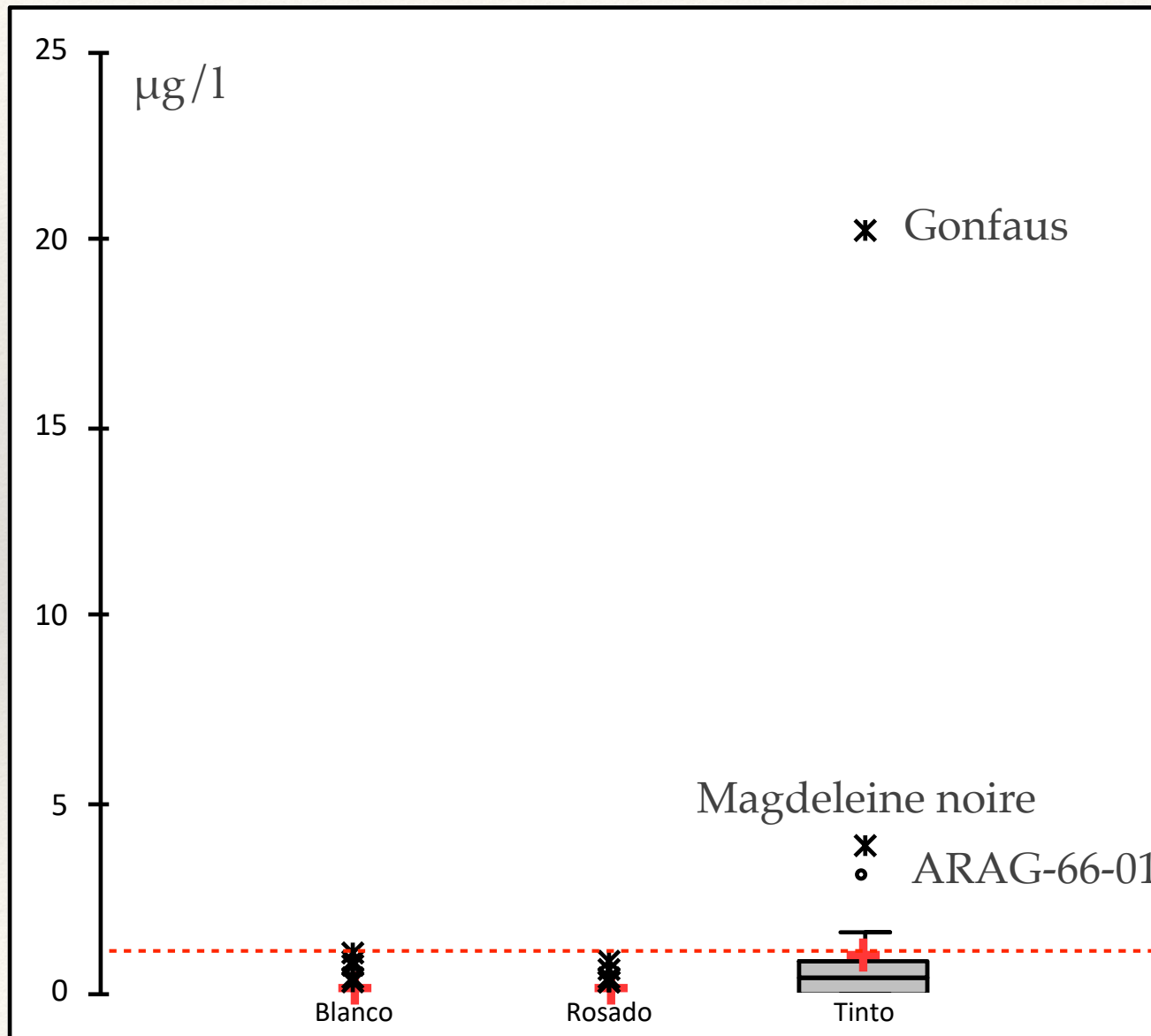


Umbral 6 µg/l

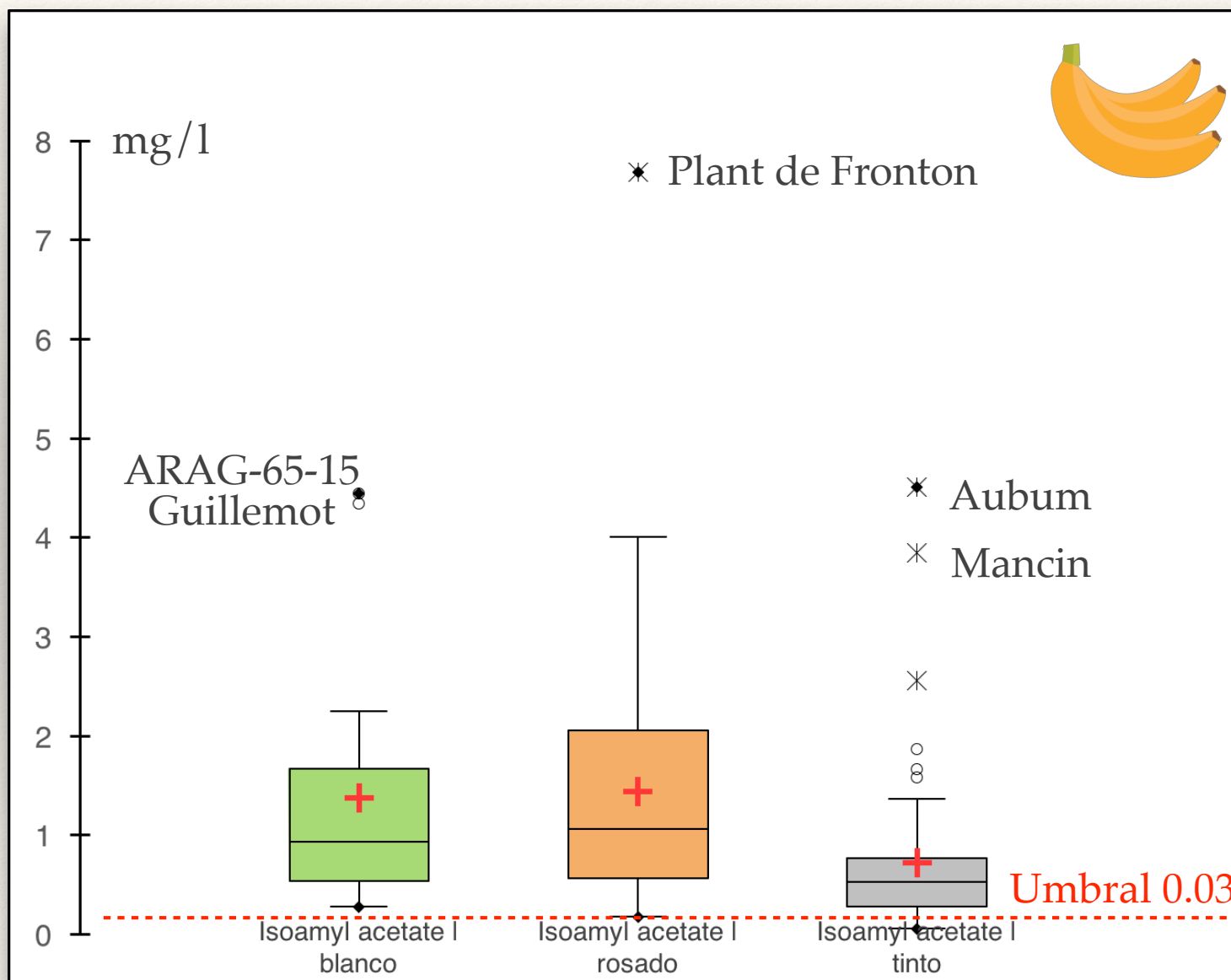
γ -nonalactona



Cinnamato de etilo



Acetato de isoamilo



Resumen

- ❖ Se ha caracterizado el perfil aromático de ~100 variedades minoritarias y desconocidas
- ❖ Se han encontrado variedades con potencial para diferenciar el aroma de los vinos
- ❖ Se ha confirmado que la “varietalidad” aromática no está restringida únicamente a los precursores tradicionales



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UNION EUROPÉENNE


VALOVITIS