GRAPE IDENTIFICATION

Empowering Australian Genomics

Testing for over 200 grapevine varietals of scion and rootstock of relevance in Australia, our Grape Identification service can accurately identify stock in vineyards and nurseries.

Grape Variety Genetic Identification Test

Used to identify or confirm grape varieties, this test is based on DNA profiling (fingerprinting) a sample using microsatelite markers. The result is then compared to a known database.

To enquire about submitting test samples or to find out more, get in touch with us at: CustomerCare@agrf.org.au.

Application

Identification of stock in vineyards and nurseries

Genetic testing is an assured method for accurate identification; this is of particular significance for the wine industry. Legally, Australian wines must be labelled with the primary varietals used in their production.

Service Access

A leaf, cane cutting or rachis from the vine in question is all that is required to access this test. If the varietal is one in our database we will be able to match it to the DNA profile from your sample.

Data Analysis

Routine varietal ID service involves amplification of selected DNA fragments, electrophoresis and fragment sizing using Genemapper software. The fragment sizes are collated into a profile and this in turn is compared to the custom Grape ID database.

Results interpretation is either consistent or inconsistent with a particular varietal, or varietal family, or unknown if no match can be found.

Acknowledgement

Grapevine ID is based on the CSIRO Merbein collection.

NATA

Our funding partners

AGRF is a not-for-profit organisation supported by the Commonwealth Government infrastructure schemes administered through Bioplatforms Australia.

These schemes include NCRIS, EIF, Super Science Initiative CRIS and NCRIS 2.

NCRIS National Research Infrastructure for Australia
An Australian Government Initiative

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Contact us: 1300 247 301
CustomerCare@agrf.org.au
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OLIVE IDENTIFICATION

Empowering Australian Genomics

Enabling the genetic identification of cultivars from 55 named olive varieties grown in Australia, our Olive Identification service can accurately identify varietals in an olive grove and add further stock to an existing grove.

Olive Genetic Identification Test

A genetic identification service for most commercially grown olive cultivars in Australia is commercially available through AGRF.

The test is based on findings of the NOVA trial (National Olive Variety Assessment) conducted on behalf of the RIRDC, and concluded in 2005. The study found that over 50 of the most commonly grown varieties had consistent genetic makeup. Only these varieties are covered by the current test, as it was found that the other varieties tested consisted of more than one clonal variety.

It is hoped that in the future, the test will be used to verify nursery stock prior to sale.

Applications

- Identification of the varietals in an olive grove (particularly before investing)
- Adding further stock to an existing grove – especially if they have demonstrated good fruit yields

Service Access

To access this test all that is required is a leaf sample from the tree in question. If the varietal is one of the 55 in our database, we will be able to match it to the DNA profile from your sample.

Data Analysis

Routine varietal ID service involves amplification of selected DNA fragments, electrophoresis and fragment sizing using Genemapper software. The fragment sizes are collated into a profile and this in turn is compared to the custom Olive ID database.

Results interpretation is either consistent or inconsistent with a particular varietal, or varietal family, or unknown if no match can be found.

Acknowledgement

Olive ID is based on the NOVA Trial, University of Adelaide.

NATA

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