Australian Wagyu Association

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IEGRA. SPAIN

Según los análisis de DNA de **Mitsubishi**, además de las pruebas de paternidad, se hicieron ciertos análisis de enfermedades genéticas (mutaciones recesivas) que están presentes en la raza Wagyu, y que aparecen en los perfiles de cada toro.

Los resultados han sido FAVORABLES, y Mitsubishi está libre de mutación alguna, ni tampoco es portador (ni en homocigosis, ni heterocigosis)

Las enfermedades analizadas son:
- SPHEROCYSTOSIS (B3): provoca anemia perniciosa letal durante los primeros 7 días tras el nacimiento.
- FACTOR XI DEFICIENCY (F11)) : provoca trastornos en la coagulación, y reducción de la fertilidad embrionaria.
- ISOLEUCYL-TRNA SYNTHETASE (IARS) - PERINATAL WEAK CALF SYNDROME: provoca abortos al final de la gestación o primeros días tras nacimiento.
- CHEDIAK HIGASHI SYNDROME (CHS): provoca inmunodepresión y mayor sensibilidad a infecciones bacterianas, así como trastornos en la coagulación. Los animales suelen tener un color parduzco, no negro.

Please find attached your genetic condition/trait testing results.
For your convenience we have included and explanation for all possible test results.

Explanation of Results in Attached File for Recessive Genetic Condition testing:

N – the sample was tested, returning a Non-carrier result. Will display on the web as _ _F

C – the sample was tested, returning a Carrier result. Will display on the web as _ _C

A – the sample was tested, returning an Affected result. Will display on the web as _ _A

NR – the sample was tested, however no result was able to be obtained. Please collect a new sample and submit a new DNA request form.

POLLED Testing;

HH – HORNED. No copies of the Polled molecular marker are present.

HPc – POLLED. One copy of the Polled-Celtic molecular marker is present.

PcPc – POLLED. Two copies of the Polled-Celtic molecular marker are present.

HPf – POLLED. One copy of the Polled-Friesian molecular marker is present.

PcPf – POLLED. One copy of the Polled-Celtic and one copy of the Polled-Friesian molecular marker are present.

PfPf – POLLED. Two copies of the Polled-Friesian molecular marker are present.

NR – the sample was tested, however no result was able to be obtained. Please collect a new sample and submit a new DNA request form.

TEND Testing;

Increase in "tenderness" is associated with favourable alleles seen within the selected marker panel.

In this report, the combined genotype results have been scored between 1 to 10, where 10 has the most favourable number of alleles present.

SCD Testing;

Results presented reflect the allelic variation at a specific site in the SCD gene that Changes the corresponding amino acid form Valine (V) to Alanine (A) which has a specific relationship to the melting point of fat in wagyu, and hence enhances palatability.

AA - Two Copies of the Alanine Allele are present. Preferred Type

AV - One Copy of the Valine Allele and once copy of the Alanine Allele are present.

VV - Two Copies of the Valine Allele are present.

If you have any questions, please let us know
Kind Regards,
The AWA Member Services Team

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