

Neogen Australasia Test Results Key



General Results:

N	Non-Carrier; DNA analysis is consistent with the subject NOT carrying the mutation tested
C	Carrier; DNA analysis is consistent with the subject CARRYING the mutation tested
A	Affected; DNA analysis is consistent with the subject carrying two copies of the mutation tested
NR	No Result

Coat:

ED	homozygous dominant black
ED/e	dominant black/recessive red
ED/ E+	dominant black/wildtype
E+/e	wildtype/recessive red
E+/ E+	homozygous wildtype
e/e	homozygous recessive red

Celtic Horn Poll:

Result	Interpretation	Animal's Appearance
PcPc PcPf PfPf	Homozygous Poll (PP)	Predominately Polled (occasional scurs)
HPc HPf	Heterozygous Poll (PH)	Polled or Scurred
HH	Horned (HH)	Horned
NR	Due to failed test OR due to unresolved haplotype (combination of HornPoll markers fail to produce a valid result).	

Guarani Horn Poll:

Result	Interpretation
Pg	Guarani poll mutation present
N	Guarani poll mutation absent
NR	No Result
Due to failed test OR due to unresolved haplotype (combination of HornPoll markers fail to produce a valid result).	

LEPTIN2FB:

TT is the preferred leptin genotype associated with increased fat accumulation relative to CC genotypes.
CT genotypes have one copy of the preferred leptin gene.

SCD:

Results presented above reflect the allelic variation at a specific site in the SCD gene that changes the corresponding amino acid from Valine (V) to Alanine (A) which has a significant relationship to the melting point of fat in Wagyu, and hence enhances palatability. There are three possible genotypes for SCD, these are **AA**, **AV** and **VV**. **AA** is the preferred type

TENDERNESS Key:

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.



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