

Neogen Australasia Test 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

HornPoll:

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

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.