



Information Sheet Sheep Genotyping Test

The Sheep Genotyping test has been developed by the Sheep CRC using data from the Information Nucleus Flocks. It is now the standard test used by industry to genotype animals. This test is available for the four major breeds – Merino, Poll Dorset, White Suffolk and Border Leicester.

To test your animals you need to be a member of Sheep Genetics and the individual animals need to be entered into either the LAMBPLAN OR MERINOSELECT databases with a minimum of sire pedigree recorded.

The SNP test will predict genomic breeding values for the traits listed in Table 1 provided accuracy thresholds are met. The genomic information is included in the single-step analysis to generate ASBVs.

Parentage information can also be included with the Sheep Genotyping test. Please contact the DNA Processing Office for more information.

Trait	Name	Unit	Merinos	Terminals	Maternals
BWT	Birth weight	Kg	Y	Y	Y
WWT	Weaning weight	Kg	Y	Y	Y
PWT	Post Weaning weight	Kg	Y	Y	Y
PEMD	Post Weaning eye muscle depth	mm	Y	Y	Y
PFAT	Post Weaning GR fat depth	mm	Y	Y	Y
GFW	Greasy fleece weight	%	Y		
FD	Fibre diameter	μ	Y		
FDCV	Fibre diameter CV%	%	Y		
SL	Staple length	mm	Y		
SS	Staple strength	N/ktex	Y		
EBWR	Early breech wrinkle	score	Y		
FEC	Worm egg count	%	Y	Y	Y
HCWT	Hot carcass weight	kg	Y	Y	Y
CEMD	Carcass eye muscle depth	mm	Y	Y	Y
CFAT	Carcass fat depth	mm	Y	Y	Y
LMY	Lean meat yield	%	Y	Y	Y
IMF	Intra muscular fat	mm	Y	Y	Y
SHEAR5	Shear force at 5 days	kg	Y	Y	Y
DRESSPERC	Dressing Percentage	%	Y	Y	Y
Poll/Horn	Poll horn	PP, PH or HH	Y		