

P.8.- Evaluation of a new test for genotyping codon 136-154-171 of the ovine prionic protein (PRNP) gene through reverse hybridization.

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A new test for genotyping codon 136-154-171 of the ovine prionic protein (PrP) gene via the detection of mutations of the PrP gene through reverse hybridization has been evaluated on non-coagulated blood and brain tissue. A total of 100 sheep blood samples and 28 brain tissue samples were tested. These samples were also analyzed with denaturing gradient gel electrophoresis and real-time polymerase chain reaction to confirm the results obtained via the present test. The results obtained via these three tests corresponded perfectly. The poster briefly describes the new test.

The new test can be a powerfull tool in the EU selection program of sheep breeding towards TSE resistance and in the frame of the TSE-related safety of certain sheep products.

Keywords

PRNP genotyping, ovine, reverse hybridisation