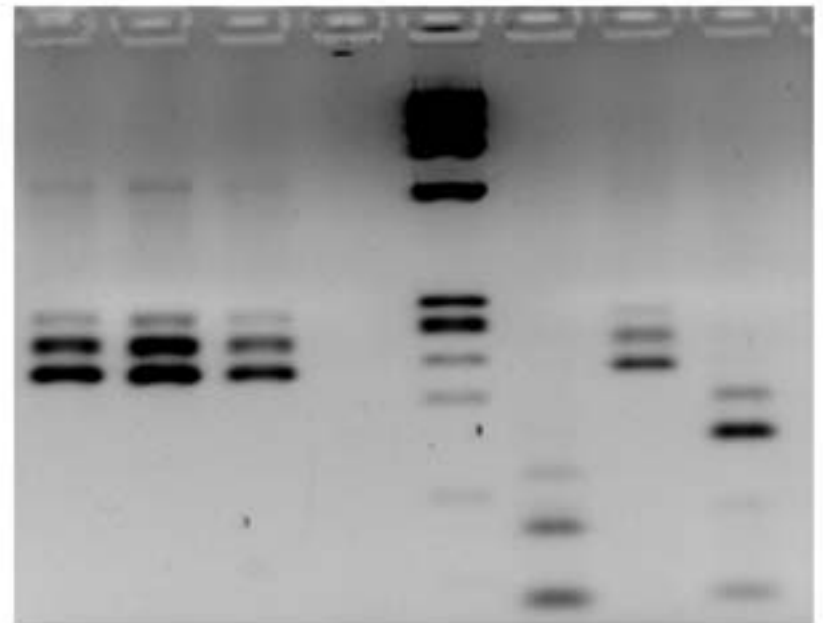


NciI

Undigested

Digested

I II III MK I II III



Locus: SAG3

Chromosome: XII

External Primers:

P43S1 5'-CAACTCTCACCATTCCACCC -3'

P43AS1 5'-GCGCGTTGTTAGACAAGACA -3'

PCR annealing temperature: 55°C

PCR product size: 311 bp

Internal Primers:

P43AS2 5'-CACAAAGGAGACCGAGAAGGA -3'

P43S2 5'-TCTTGTCCGGGTGTTCACTCA -3'

PCR annealing temperature: 63°C

PCR product size: 225 bp

Restriction Enzyme: NciI

3% agarose gel

Me49 (Type II)

GCGCGTTGTTAGACAAGACATTTAGGCAGCCACATGCACAAGGAGACCGAGAAGGAACGCCAGGGCAACGGAAGCCA
TTCGCGAACTCGCGCCGGCTGAACTTCTGTTCCAGCTTGAGTTTCCCCGTCAGTTCCTGGCTGCAATCCTCCGCTTCCTG
GATGGCCGCCTCCGCCCTCTCCCACTTTCTGGGGTTCAGCAACTCTCACTTTGACGTTGCAGAAGGGCGGCCCGTCC
ACAGTGAGTGAACACCCGACAAGAAAAGATTTGTCTTCTTCGGGGAACCCGCCGGGTGGAATGGTGAGAGTT