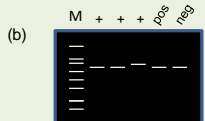
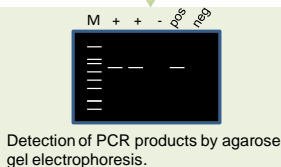


Isolate DNA

Detection of respective gene by PCR amplification of homopolymeric tract and closely flanking regions using proximal, intragenically directed primers^a.

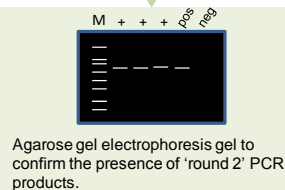


Confirm absence of genes by (a) PCR amplification of corresponding locus using externally directed primers^d (*hpuA*) or intragenically targeted primers against *exl3*^e (*hmbR*) and (b) detection of products by agarose gel electrophoresis.

Specimen DNA

'Round 1' PCR amplification of homopolymeric tract and flanking regions using remote, intragenically directed primers^b.

'Round 2' (nested) PCR amplification of homopolymeric tract and closely flanking regions using 'round 1' PCR product as a template in conjunction with intermediate, intragenically directed primers^c.



Sequence analysis of PCR products (using proximal PCR primers^a) to characterise homopolymeric tract and flanking regions. The illustrated tract possessed nine G repeats.

PCR amplification of homopolymeric tract and flanking regions using genomic DNA or 'Round 1' PCR products as template in conjunction with proximal FAM-labelled primers^a.

Fragment analysis of FAM-labelled PCR products (blue peak) against a GeneScan 500 LIZ size standard (orange peaks) to enable quantitation of homopolymeric tract length.

Key:

Thin blue line = DNA flanking the respective gene.
Thick blue line = *hmbR* or *hpuA*.
Yellow block = homopolymeric tract.
Arrows = primers.