

S008 Mutation scanning using high-resolution amplicon melting
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Interest in finding rare or novel DNA sequence variants is high. Whilst DNA sequencing can be used for this purpose, the relative complexity of data generation and analysis, together with the cost, mean that alternative technologies can be attractive. Many such methods have been devised, allowing the pre-screening of large numbers of samples and targeting of sequencing resources to the subset of samples that contain variants.

High-resolution amplicon melting is a recently devised pre-screening method. I shall discuss its principles and describe evaluations of its sensitivity and specificity. I will also discuss the performance of high-resolution melting in practice using samples extracted from a variety of sources.