

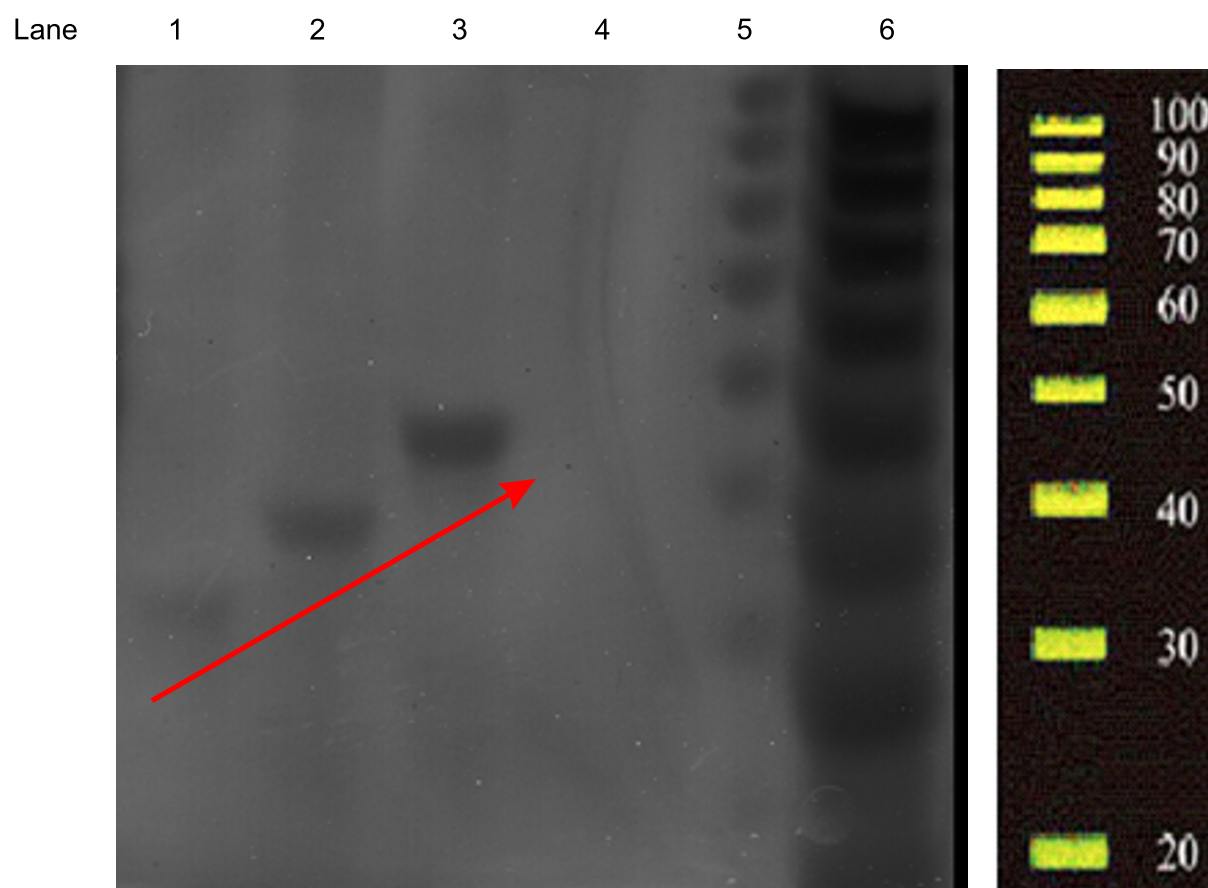
# Information limited oligonucleotide amplification assay for affinity-based, parallel detection studies

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## S4 Appendix

### Multiple specific sequences of various lengths generated from MEA technique in a single run.

Fig. 1 shows the specific sequences of various lengths produced in a single run through MEA technique. Lanes 1, 2 and 3 show MEA products of lengths 30, 40 and 50 nt respectively. Lane 5 and 6 show a reference ssDNA ladder of 20-100 nt. Oligonucleotide fragments of different length can be generated with MEA technique in a single experimental run.



**Figure 1. Multiple specific ssDNA sequences of various lengths from 30 nt to 50 nt from a complex DNA mixture.** The sequences of various lengths are specific ssDNA oligonucleotide sequences generated from a complex DNA mixture through the MEA technique in a single experiment. The desired length of the specific sequences was varied by using primers which bind to their corresponding complementary sequences present in the M.E.A. template.