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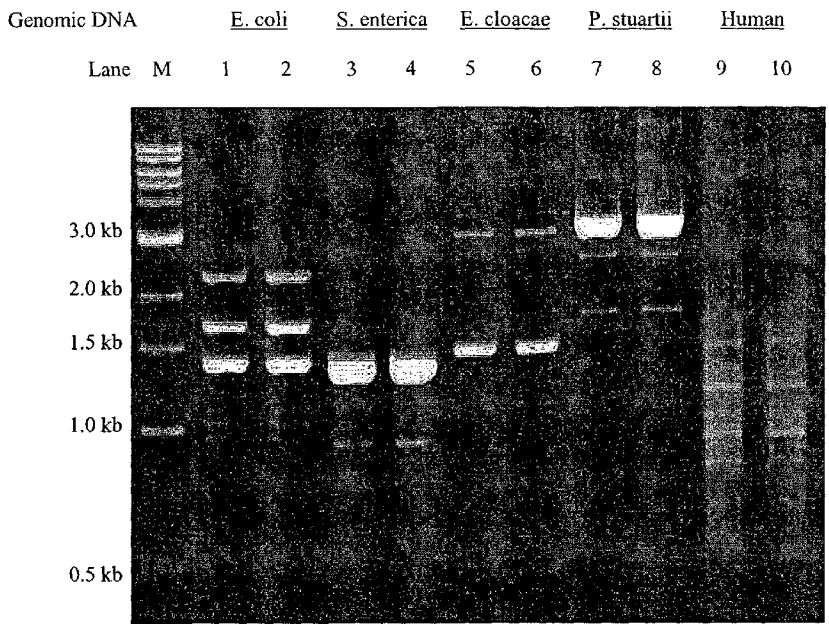
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(54) **Title:** METHODS FOR MONITORING GENOMIC DNA OF ORGANISMS



(57) **Abstract:** The invention provides novel SGP primers for improved use in waveform-profiling methods of DNA amplification. In one embodiment, use of an SGP primer in a method of DNA amplification results in exponential amplification of several distinct products. In another embodiment, the methods of the invention further comprise a novel half-time elongation step. In another embodiment, the distinct products may be detected via melting temperature analysis. The primers and methods of the invention may be combined to determine an organism in a sample.

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