

Abstract

**DIGITAL AMPLIFICATION DETECTION METHOD, *DETECTION PRODUCT AND
DETECTION KIT FOR SIMULTANEOUSLY IDENTIFYING MULTIPLE GENE TYPES***

5

This application discloses a digital amplification detection method for simultaneously identifying multiple genotypes, a detection product and a detection kit, and relates to the technical field of gene detection. The detection method includes: S1, extracting sample DNA; and preparing a primer-probe mixed solution, including: synthesizing primers and probes, where for each target gene, at least two probes that bind to the target gene are designed; and modifying the primers with a small molecule compound and a nucleotide sequence capable of forming a secondary structure to obtain the primer-probe mixed solution; S2, carrying out a PCR reaction; and S3, analyzing detection data to obtain genotypes at different loci.

10

15

(FIG.1)