



THE gold standard

AuthentiGene Bio-typing Solutions

AG-B1frag
AG-C1phe

Overview

Authentigene is a bio-diagnostics company exploiting cutting-edge genomics technology to create a step-change in commercial food authenticity testing.

Food adulteration is a major problem of growing concern world-wide. Recent reports in the UK have highlighted that increasingly sophisticated means are being used to market poor quality foods that masquerade as high quality products. Currently-used food testing methods are unable to counter this rising level of sophistication.

Combining recent developments in genomics technology with results from cutting-edge R&D activities has enabled Authentigene to develop novel ways of authenticating foods. Authentigene's technology is set to become the gold-standard in the food-testing industry.

Applications



According to a recent study by the Food Standards Agency (FSA), adulteration of premium Basmati rice is a wide-spread phenomenon: Out of a total of 363 samples examined, 17% had a non-Basmati rice content > 20% and 9% had a non-Basmati rice content > 60%. The FSA recommends that the term "Basmati" should only be used for 11 Indian and 5 Pakistani rice varieties grown exclusively at the Himalayan foothills.

Features

Application	Benefit
Rice genotyping	• Assays based on specific basmati fragrance genes.
Coffee genotyping	• Assays based on metabolism related genes.
Generic genotyping	• Novel assays developed in association with customers
Sample handling	• Secure sample archiving (tamper evident)
Research services	• Research and development associated with a leading UK University environment.

Solution	Approach
AG-B1frag Basmati Genotyping	• 5 day Qualitative service • 7 day Quantitative service
AG-C1phe Coffee Genotyping	• 5 day Qualitative service • 7 day Quantitative service
Generic Analysis	• Food Spoilage by Fungi • Food Safety • Food Microbiology • HACCP
Transcriptomic hybridisation and bioinformatics	• SNP Discovery • Cross-Species transcriptomics • Co-linearity Studies • Standard transcriptomics



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