

Agrigenomics and microarrays

New feline genotyping array

Introducing a high-density, DNA-based solution for comprehensive, budget-friendly feline genotyping

Microarray technology applied to the agrigenomics space is invaluable for research, veterinary research, and direct-to-consumer genetic testing services because of its cost-effectiveness and exceptional reliability in identifying critical markers. That is why we collaborated with key opinion leaders to develop the new Applied Biosystems™ Axiom™ Feline HD microarray, which enables efficient identification of variants, including those associated with traits like coat color, morphology, and disease risk.

Get highly accurate results

Over 650,000 polymorphic markers, representing optimal genomic coverage and trait identification, have been selected for this single high-density microarray. Given the relatively low linkage disequilibrium, this densely populated genotyping array

can be important for helping conduct robust complex disease association studies due to its ability to provide accurate results.

The high-density Axiom Feline HD microarray includes functional single-nucleotide polymorphisms (SNPs), insertion/deletions, and copy number variation (CNV) regions of biological relevance; breed-specific markers; and over 125 variants with predisposition to specific diseases and traits, including the markers on the Applied Biosystems™ AgriSeq™ Feline Parentage and ID Plus Traits and Disorders Panel. Axiom microarray applications include genome-wide association studies, disease marker mapping, direct-to-consumer utilization, and model organism research.

The Axiom Feline HD microarray is inclusive of Abyssinian, Bengal, Birman, Burmese, Korat, Oriental, and Wildcat breeds.

Contact us at thermofisher.com/microarrayagrigenomics to learn more and get a quote.

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