

Genotyping



azura
genomics™
| Empowering
Discovery



AzuraQuant™ HRM Fast Mix

The AzuraQuant™ HRM Fast Mix is a ready-to-use 2x master mix for use in high-throughput, fast high-resolution melt (HRM) for the analysis of mutations, polymorphisms and epigenetic differences in double-stranded DNA.

The system contains Azura HS Taq polymerase, high affinity antibodies and Vivid-Green™ 2 dye, a novel saturating, third-generation dye which is ideal for accurate SNP genotyping. The AzuraQuant™HRM Fast Mix has been developed and optimized for fast PCR cycling, improved sensitivity, and maximum discrimination between sequence variants.

The latest advances in enzyme preparation coupled with the optimization of ionic conditions and enhancers enable the amplification and clear discrimination of even the most challenging sequence variations including Class IV SNP (Single Nucleotide Polymorphisms) without sequence preference.

Applications

- SNP genotyping
- DNA methylation analysis
- Gene scanning
- Heterozygosity screening
- DNA fingerprinting and DNA mapping

Sensitivity

- Accurately detect/discriminate Class IV (A/T) SNP mutations

Highly Reproducible

- Highly specific and developed to maximize sequence differences

PCR Efficiency

- Specific and Robust Amplification from GC and AT rich sequences

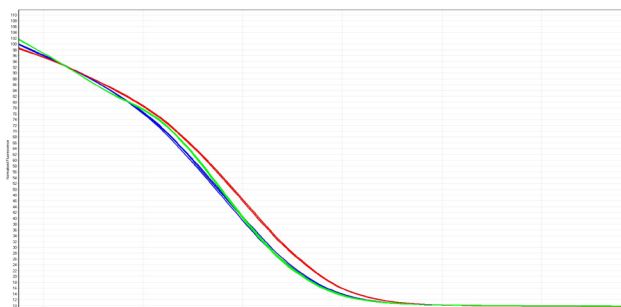


Fig 1. Class III SNP – Clear allele calling with AzuraQuant™ HRM Fast Mix.

- Three samples of mammalian genomic DNA were amplified and analyzed (HRM) with primers flanking a Class III SNP (187C/G). Red = homozygous T, Blue = homozygous A, Green = heterozygous

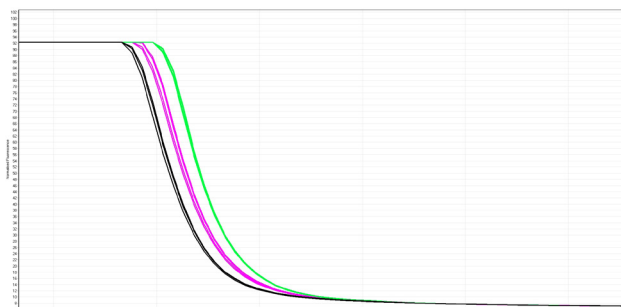


Fig 2. Class IV SNP – Clear allele calling with AzuraQuant™ HRM Fast Mix.

- Three samples of human genomic DNA were amplified and analyzed (HRM) with primers flanking a Class IV SNP (17A/T). Purple = homozygous T, Black = homozygous A, Green = heterozygous

Products	Pack Size	Catalog No.	Price
AzuraQuant™ HRM Fast Mix	100 Reactions	AZ-3401	\$65
AzuraQuant™ HRM Fast Mix	500 Reactions	AZ-3405	\$265
AzuraQuant™ HRM Fast Mix	2,000 Reactions	AZ-3420	\$915