

# qPCR<sup>BIO</sup> Genotyping Mix

- Allelic discrimination
- Reproducible
- Tight clustering

## Features

- Accurate genotype calling
- Superior allele clustering
- Novel hot start for improved sensitivity
- Compatible on all real-time PCR platforms
- Standard and fast cycling conditions

## Applications

- Genotyping single nucleotide polymorphisms (SNPs)
- TaqMan<sup>®</sup> allelic discrimination assays
- High throughput genotyping studies
- TaqMan<sup>®</sup> pre-designed SNP genotyping assays

qPCR<sup>BIO</sup> Genotyping Mix is a kit designed for use in TaqMan<sup>®</sup> and other dual-labelled probe based genotyping assays. PCR Biosystems provide a fast, accurate, reliable 2x mix for reproducible allelic discrimination.

qPCR<sup>BIO</sup> Genotyping Mix is able to accurately call class I to class IV mutations. The mix is compatible with LNA and PNA probes, which offer more stringent allele calling.

Proprietary small molecular inhibitor technology prevents formation of primer dimer and non-specific products leading to improved reaction sensitivity and specificity. Combining the latest advancements in polymerase technology and advanced buffer chemistry we offer market leading performance with minimal or no optimisation. High throughput screening has resulted in a buffer system that allows efficient amplification from GC rich and AT rich templates, under fast and standard cycling conditions.

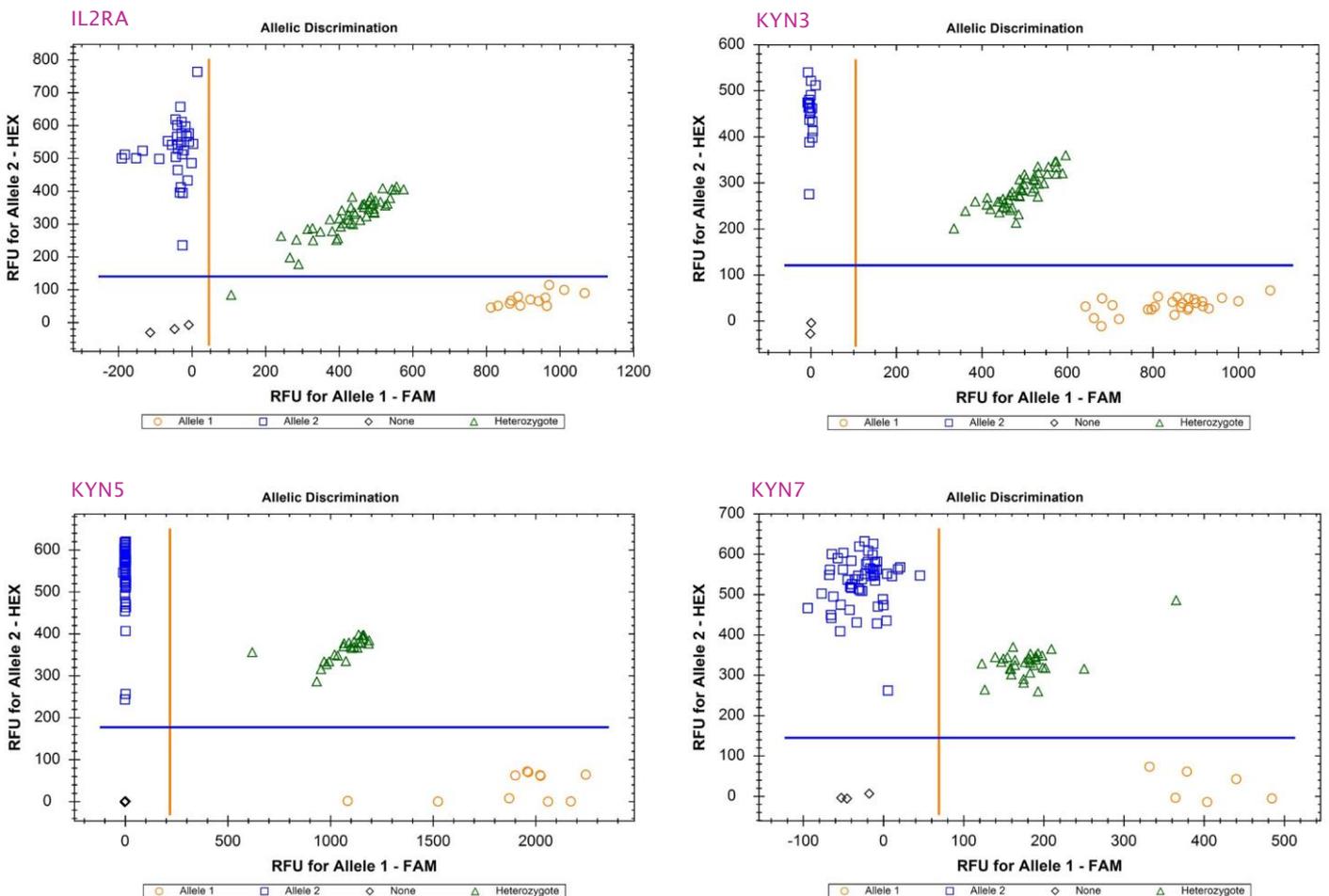


Figure 1.

Extracted genomic DNA from 96 human samples was analysed at 4 loci using TaqMan® probes and qPCR BIO Genotyping Mix. The analysis was performed on a Biorad CFX96 instrument and analysed using the Biorad CFX Manager software version 3.0. Single nucleotide polymorphisms (SNPs) within 4 genes were analysed: IL2RA (A/G), KYN3 (T/G), KYN5 (A/C), KYN7 (A/T). Cycling conditions for this assay were 50 cycles of 95°C for 10 seconds and 56°C for 50 seconds.

For each SNP analysed, high confidence, clear clustering of homozygous w/t, homozygous mutant and heterozygous was demonstrated. PCR Biosystems provide a fast, accurate, reliable 2x mix for reproducible allelic discrimination.

Catalogue Number	Product Name	Pack size	Presentation
17-532	qPCR BIO Genotyping Mix No-ROX	100 x 20µl rxns	1 x 1ml
17-532B		500 x 20µl rxns	5 x 1ml
17-532C		2000 x 20µl rxns	20 x 1ml
17-530	qPCR BIO Genotyping Mix Lo-ROX	100 x 20µl rxns	1 x 1ml
17-530B		500 x 20µl rxns	5 x 1ml
17-530C		2000 x 20µl rxns	20 x 1ml
17-531	qPCR BIO Genotyping Mix Hi-ROX	100 x 20µl rxns	1 x 1ml
17-531B		500 x 20µl rxns	5 x 1ml
17-531C		2000 x 20µl rxns	20 x 1ml

Distributed by:



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