HRM Analysis on the Eco[™] Real-**Time PCR System** No Upgrades, No Recalibrations, Fast Call Rate

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HRM Application

- Enables cost-efficient and easy genotyping studies using Real-Time PCR
- Requires highly uniform optical and thermal systems with in the instrument
- Results are based on the temperature at which a given product melts
- Most challenging genotypes to detect are type 4: A/T due to reduced differences in melting temperature



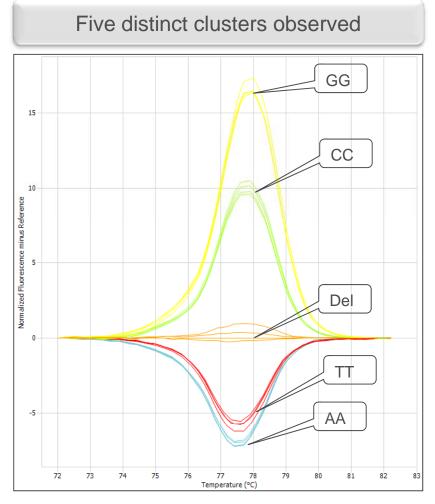
Experimental Design

Default protocol used (melt read only)

- 4 replicates
- 4 minutes
- 5 different variants of a synthetic gene tested
 - CC
 - GG
 - TT
 - -AA
 - 1 nucleotide deletion



HRM Difference Plots



Run time: 4 min

Fast, convenient genotyping on the Eco system—at no extra cost

illumina^{*}

