High-Performance Double-Quenched Probes – HP DQPs – The Platinum Standard for qPCR Probes

Explore **metabion's High-Performance Double-Quenched Probes (HP DQPs)** – optimized for use in real-time quantitative PCR, significantly enhancing assay performance by improved signal-to-noise **ratio through reduced** background and increased end-point fluorescence.

High Performance Double Quenched Probes have been developed to advance assay performance by

- **increased probe Tm**
- **increased thermostability**
- **enhanced annealing efficiency**
- **reduced Cq values**

to boost

- **diagnostic specificity**
- **diagnostic sensitivity**
- **signal intensity**

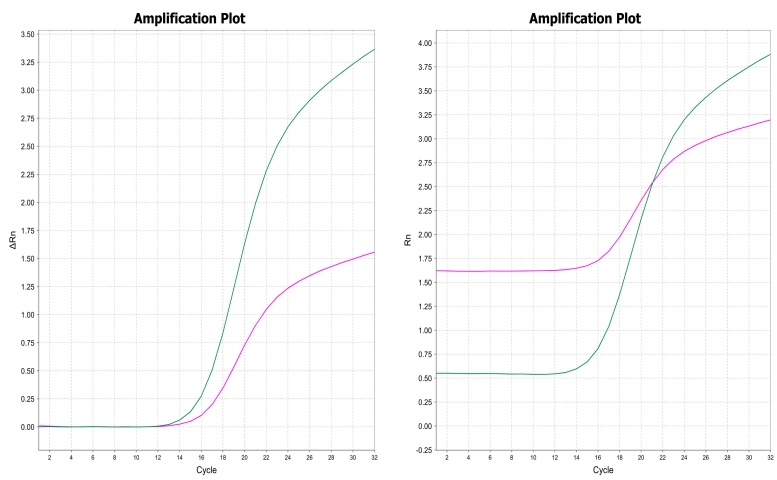

Figure 1. (***A***) Signal increase of a 28mer HP DQP (FAM-abMFQ-MFQ, *green*) compared to the single quenched FAM-BHQ®-1 equivalent (*pink*). (***B***) Starting fluorescence levels of single-quenched FAM-BHQ®-1 probe (*pink*) and HP DQPs (FAM-abMFQ-MFQ, *green*).

HP DQPs offer solutions specifically for challenging real-time quantitative PCR applications like

- **detection of low-abundance targets**
- **complex multiplex assays**
- **target sequence (AT-rich) conditioned necessity for longer probes (>25nts)**

Upgrade your qPCR assays. ***Quality to Trust*** **– metabion!**

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