

What we offer:

Quantitative analysis of any specific target sequence for gene expression, copy number variation or variant analysis, in low and high-throughput mode.

Real-time QPCR and Digital QPCR

Innovation

Known for accuracy, speed and innovation, our facility has a track record of continuous technical development, providing state-of the art protocols

Service

We provide the entire service: from project design, assay selection and development, to data analysis.

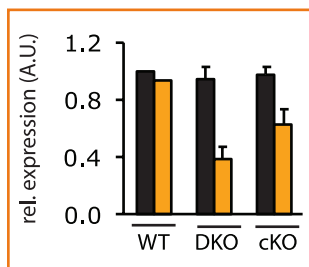
Quality

We provide data analysis in compliance with MIQE guidelines.

Our laboratory is UNI EN ISO 9001:2008 certified (n. IT256850).



GENE EXPRESSION



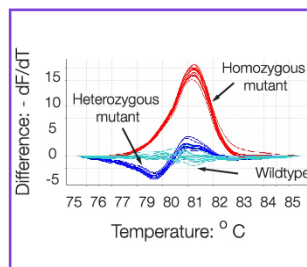
Absolute and relative quantification of mRNA, miRNA and ncRNA.

From cells, RNA or cDNA with or without preamplification.

For validation of microarray or NGS data, but not only.

Using single tube assays or Taqman Low-Density Array cards (TLDA, 384 wells).

GENETIC VARIANT ANALYSIS



Copy Number Variation (CNV) for genotyping and detection of deletions/duplications.

SNP Analysis for the detection of genetic variants.

High Resolution Melting (HRM) for mutation scanning, identification of new genetic variants and determination of methylation status.

DATA ANALYSIS



qPCR data analysis using professional software (qbase+) in compliance with MIQE guidelines for publications.

Optimum reference gene analysis using geNorm algorithm for mRNA and miRNA data.

Statistical data analysis.

Inter-run calibration.