Taqman assays nomenclature: Assay ID

1. The first two positions designate the species

Hs = *Homo sapiens* Mm = *Mus musculus* Rn = *Rattus norvegicus*

2. The second-to-last position contains a letter

Assay Suffix	Assay placement
_m	Probe spans exon-exon junction and the assay will not detect genomic DNA
_s	Primer and probe are designed within a single exon and the assay will detect genomic DNA
_g	Probe spans exon-exon junction but the assay may detect genomic DNA
_mH, _sH, _gH	The assay was designed to a transcript belonging to a gene family with high sequende homology

Relative quantitation: comparative Ct method

Step 1: normalization to endogenous control

$$\Delta Ct = Ct\ target - Ct\ endogenous$$

Step 2: normalization to calibrator sample

$$\Delta\Delta Ct = \Delta Ct\ target - \Delta Ct\ calibrator$$

Step 3: expression level

$$2^{-\Delta\Delta Ct}$$