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Quantitative reverse transcriptase-PCR analysis V.1

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- 1** Total RNA was purified using RNeasy™ (Qiagen, Valencia, CA, USA).
- 2** For cDNA synthesis, 1 µg of total RNA was reverse transcribed using QuantiTect Reverse Transcription Kit (Qiagen).
- 3** Real-time PCR was performed using QuantiTect SYBR green PCR kit (Qiagen). PCR primers were purchased from Qiagen.
- 4** Amplification and detection were performed using Rotor-Gene Q real-time PCR cycler (Qiagen).

The change in expression of each target mRNA was calculated relative to the level of 18S rRNA.