diagenode
A Hologic Company

TECHNICAL DATASHEET

Tomato leaves SlChr4-NC1 Primer pair

Cat. No. C17040007
Lot #: 001
Size: 50 µl/ 500 µl
Concentration: 10 µM
Specificity: Tomato
Amplicon length: 75 base pairs

Format: 10 µM solution in MiliQ water (5 µM of each primer)
Storage: For long storage, store at -20°C. Avoid multiple freeze-thaw cycles.
Precautions: This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Description: This primer pair specifically amplifies a genomic region from chromosome 4 from tomato (Solanum lycopersicum cv MicroTom). The primers are thoroughly tested and optimized for routine SYBR® Green Real-Time qPCR assay following ChIP.

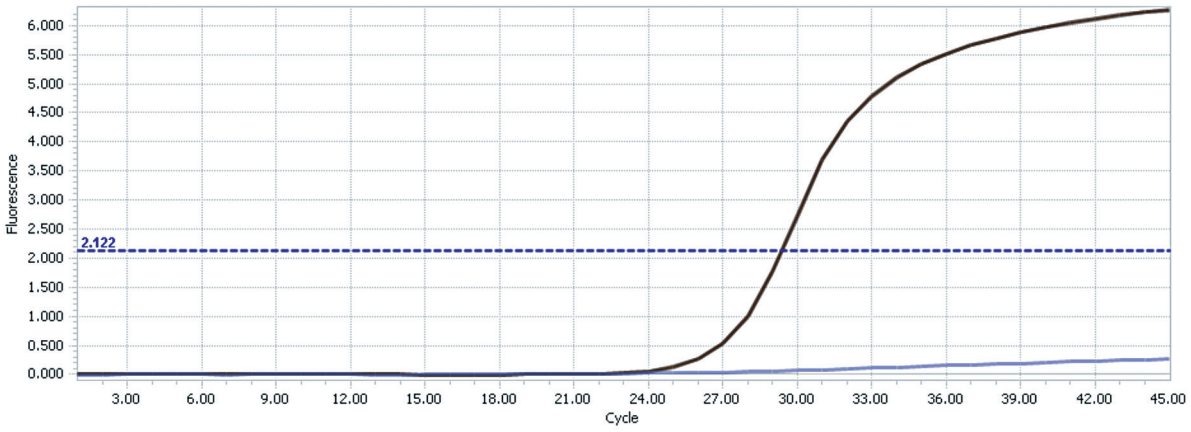

Figure 1.

Sheared DNA (0.5 ng) from tomato leaves (Solanum lycopersicum cv MicroTom) was analysed by real-time PCR using the Diagenode primers to amplify a genomic region from chromosome 4. 0.5 µl of provided primer pairs was used in a total volume of 10 µl. Real-time PCR was performed with the BioRad iCycler using SYBR Green. PCR conditions were as follows: an initial incubation at 95°C for 3 minutes, followed by 45 cycles of 30 seconds at 95°C, 30 seconds at 60°C and 30 seconds at 42°C. Duplicates are shown in black. The dotted line represents the threshold position. The no template control is shown in light blue and shows no amplification.

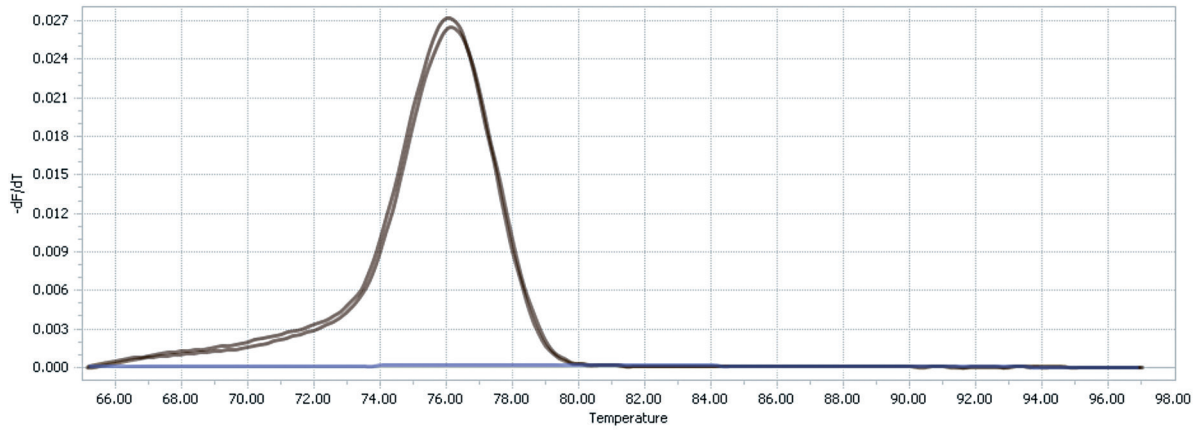

Figure 2.

Melting curve of PCR product amplified with the Tomato leaves SlChr4-NC1 Primer pair (Cat. No. C17040007). Real-time PCR was performed as described above. The melting curve analysis of the PCR product was performed by increasing the temperature from 55°C to 95°C in 0.5°C increments. No amplification was found in the negative control (light blue).

Diagenode sa. BELGIUM | **EUROPE**

LIEGE SCIENCE PARK
Rue Bois Saint-Jean, 3
4102 Seraing (Ougrée) - Belgium
Tel: +32 4 364 20 50
Fax: +32 4 364 20 51
orders@diagenode.com
info@diagenode.com

Diagenode Inc. USA | **NORTH AMERICA**

400 Morris Avenue, Suite 101
Denville, NJ 07834 - USA
Tel: +1 862 209-4680
Fax: +1 862 209-4681
orders.na@diagenode.com
info.na@diagenode.com

Last update: February 17, 2016