Gene region	PCR Conditions[a]	Primer names	Primer sequences
Exon 1	94°C/15 s, TD 65/55°C/30 s, 2°C↘ 72°C/1 min	Ep Red 1U Ep Red 1L	CCGATCCCAGACTCCAGAA CGCCTCGGGCGGAACCTG
Exon 2	94°C/1 min, TD 65/55°C/30 s, 2°C↘ 72°C/1 min	Ep Red 2U Ep Red 2L	CTGGGAAGGGTGGTAATGGATA GGATGGGAGGTCGGGGAACA
Exon 3	94°C/1 min, TD 65/55°C/30 s, 2°C↘ 72°C/1 min	Ep Red 3U Ep Red 3L	TGGCAGGAGGAGGGGGTAA GCGTAAGCCACCACATCT G
P1	94°C/1 min, TD 65/57°C/30 s, 2°C↘ 72°C/1 min	Ep Red P1U Ep Red P1L	GGGCGCCATGATAGTAGA AAACCAGCCACGGAGCAG
P2	94°C/1 min, TD 65/55°C/30 s, 2°C↘ 72°C/1 min	Ep Red P2U Ep Red P2L	CCTAACTCGCCCGCTTGA GCCCCACGCCTCCCACTC
G1	94°C/1 min, TD 65/57°C/30 s, 2°C↘ 72°C/1 min	Ep Red G1U Ep Red G1L	GTTCGCGCGTCTTCTCCTC CCTGGGCTATCCTCTGTTCC
G2	94°C/1 min, TD 65/57°C/30 s, 2°C↘ 72°C/1 min	Ep Red G2U Ep Red G2L	CTACCATGCCCCACCAACA GCCACCTCCCGAACACTCC
3’ NC	94°C/1 min, TD 65/55°C/30 s, 2°C↘ 72°C/1 min	Ep Red 3’NCU Ep Red 3’NCL	TGAGCCCTCAACCCAAGC GAGGCCCAGCACCACAGT

P1 and P2 correspond to the promoter sequences from –710 to +192 and +54 to +476, respectively, where the +1 position is the transcriptional start site (Genbank accession number NC 000016). G1, G2 and 3’ NC correspond to positions +191 to 1236, +1992 to 3367 and the 3’ noncoding sequence, respectively.

[a]PCR was performed using the “touchdown” (TD) method: after a 94°C denaturation step (extent indicated on the right), a hybridization step was performed (30 sec, the initial and final temperatures are indicated) with 2°C temperature decrements (↘) every three cycles. The last 15 cycles were carried out at the final temperatures shown, and extension was then performed as indicated.