

2.2. Performance

	QL-EVE-DC-006 *	QL-TAX-DC-001
LOD absolute	> 250 HGE	
LOD relative	not reported	
False positive rate	0	
False negative rate	0	

* The method is not suitable for quantification, due to uncertainties on the copy number of the anthocyanidin synthase (ANS) reference gene.

Collaborative trial (QL-EVE-DC-006)

Unit of measurement: GM genomes copies

	0	25	250	1000	2500
Specificity	100%				
Sensitivity		0%	0%	100%	100%

2.2. Experimental details

QL-TAX-DC-001 / QL-EVE-DC-006

Detection chemistry	Agarose gel electrophoresis
CRM	Genomic DNA samples extracted from non-GM and GM carnation event 123.8.8

2.3. Method stages

QL-TAX-DC-001 / QL-EVE-DC-006

Stage	Cycles	Time	Temperature	Ramp rate
Activation/Initial Denaturation	1	600"	95°C	
Denaturation		30"	95°C	
Annealing		30"	55°C	
Extension		60"	72°C	
Denaturation, Annealing and Extension	27			
Final Extension	1	420"	72°C	

2.4. Method reagents

QL-TAX-DC-001 / QL-EVE-DC-006

Reagent	Final concentration
AmpliTaq Gold 360 Master Mix 2x (Applied Biosystems)	1x
Primer RBF1a Fw	0.40 umol/L
Primer 123.8.8-2.1R	0.40 umol/L
Primer ANS.F	0.40 umol/L
Primer ANS.R	0.40 umol/L
Template DNA	100 ng
Nuclease-free water	#
Final volume	25 uL

3. References

European Union Reference Laboratory for GM Food and Feed (EURL GMFF), Joint Research Centre (JRC), European Commission. Report on the Single-laboratory Validation of a PCR-based Detection Method for Identification of GM-line FLO-40685-2 Carnation - JRC Validated Methods,

Reference Methods and Measurement Reports. JRC103658. 2016. | 2016