

Genotyping protocol

General information:

Strain name	Ring1 ^{tm1Mvi}
-------------	-------------------------

Primers:

Name	Sequence	Primer type
1807	TAGGGATGGAGAGAGGGAGG	gene-specific
1924	TCTGATGGTAACAGAGAGCCAG	gene-specific
1808	CCCACTTTCAGTAAATCGTTGTC	selection cassette

In case more than two primers are introduced, please indicate how they should be combined:

	Forward primer	Reverse primer
wt	1924	1807
mutant	1808	1807

Reaction mix:

10 x buffer	2	µl
MgCl ₂ 50 mM	0,6	µl
dNTPs 5 mM	0,8	µl
Primer 1924 10 uM	1	µl
Primer 1807 10 uM	1	µl
Primer 1808 10 uM	1	µl
Tail DNA 1 :10	1	µl
H ₂ O	13,1	µl
Taq 1u/ul	0,5	µl
Final volume	20	µl

PCR program:

95	°C	3	min	X 34
95	°C	15	sec	
64	°C	15	sec	
72	°C	45	sec	
72	°C	2	min	

Expected fragment size:

wt	191	bp
mutant	229	bp

Comments/Additonal information:

--