

Genotyping protocol

General information:

Strain name	Rybp ^{tm1Mvi}
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Primers:

Name	Sequence	Primer type
444	GGAGCAGGCCCCAGTTAGAATAAT	gene-specific
445	GCGAGGTTTCCTACAACAGTCAAC	gene-specific

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

	Forward primer	Reverse primer
wt	444	445
mutant	444	445

Reaction mix:

10 x buffer	2	μl
MgCl ₂ 50 mM	0,6	μl
dNTPs 5 mM	0,8	μl
Primer 444 10 uM	1	μl
Primer 445 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:

94	°C	3	min	X 35
94	°C	45	sec	
60	°C	45	sec	
72	°C	45	sec	
72	°C	2	min	

Expected fragment size:

wt	373	bp
mutant	486	bp

Comments/Additonal information:

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