

# Genotyping protocol

## General information:

Strain name	DII1SF
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## Primers:

Name	Sequence	Primer type
DII1 rep TAG F1	TTATCTTGGAGCCACCCCTCAGTTC	gene specific
DII1 rep wt R1	CACACGTTTTCTTTTTCCCGTCTAGG	gene-specific
DII1 rep wt F1	GGGAGTGATGTGGAGAGGGTCCA	gene-specific
		please select one

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

	Forward primer	Reverse primer
wt	DII1 rep wt F1	DII1 rep wt R1
mut	DII1 rep TAG F1	DII1 rep wt R1

## Reaction mix:

DNA	1	µl
10mM dNTP	1	µl
10pmol/µlPrimer F	1	µl
10pmol/µlPrimer R	1	µl
10x PCR Puffer ohne MgCl <sub>2</sub>	5	µl
15mM MgCl <sub>2</sub>	5	µl
DMSO	2,5	µl
H <sub>2</sub> O	32,5	µl
Taq polymerase	1	µl
Final volume	50	µl

## PCR program:

94	°C	3	min	X50
94	°C	30	sec	
56	°C	30	sec	
72	°C	45	sec	
	°C		min	

## Expected fragment size:

wt	498	bp
mutant	580	bp

## Comments/Additonal information:

