

Genotyping protocol

General information:

Strain name	B6.Cg-Cd3etm1Mal Prss16tm1Mal/Cnbc
-------------	------------------------------------

Primers:

Name	Sequence	Primer type
F	GCCTGACACAAGTCGCCATAGG	gene-specific
R1	CCAGTTCCTCCCTCAGCACAG	gene-specific
R2	CCAGTAAGAGTGAGGTCCAGAC	gene-specific

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

	Forward primer	Reverse primer
WT allele	F	R1
Mutant allele	F	R2

Reaction mix:

ddH ₂ O	18,5	μl
PCR Buffer 15mM MgCl ₂	2,5	μl
dNTPs 2,5mM	2,5	μl
Primer 100μM	0,125	μl
Primer 100μM	0,125	μl
Taq Polymerase 5U/μl	0,250	μl
DNA	1	μl
Final volume	25	μl

PCR program:

94	°C	2	min	X30
94	°C	60	sec	
58	°C	30	sec	
72	°C	45	sec	
72	°C	10	min	

Expected fragment size:

Wt allele	600 bp
Mutant allele	447 bp

Comments/Additonal information:

Provider or PubMed ID: 19283781