

# Genotyping protocol

## General information:

Strain name	C57BL/6N-Smcr8<tm1(KOMP)lcr>/Cnbc
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## Primers:

Name	Sequence	Primer type
Border3' Fw	TCATTCTCAGTATTGTTTTGCC	
Border3' Rv	CGAAGACTGCTGTGTTTACCC	
Border5' Fw	ACCTAGCTTCAGGAACCTTG	
Border5' Rv	GTCTGTCCTAGCTTCCTCACTG	

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

	Forward primer	Reverse primer
Border3'	Border3' Fw	Border3' Rv
Border5'	Border5' Fw	Border5' Rv

## Reaction mix:

ddH <sub>2</sub> O	18,5	μl
PCR Buffer 15mM MgCl <sub>2</sub>	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:

95	°C	5	min	X30
95	°C	30	sec	
56	°C	30	sec	
72	°C	60	sec	
72	°C	10	min	

## Expected fragment size:

Border3'	418	bp
Border5'	434	bp

## Comments/Additonal information:

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