

# Genotyping protocol

## General information:

Strain name	C57BL/6N-A<tm1Brd> Myo19<tm1a(EUCOMM)Hmgu>/Cnbc
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## Primers:

Name	Sequence	Primer type
Myo19F1	GCTTGGCATGGAGTTGTAAGC	
uni-enR2	CACAACGGGTTCTTCTGTTAGTCC	
Common loxP_F	GAGATGGCGCAACGCAATTAAT	
Myo19R1	TGAGAGCAAGTGCTTCCTACAGG	

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

	Forward primer	Reverse primer
PCR 5'Arm	Myo19F1	uni-enR2
PCR 3'Arm	Common loxP_F	Myo19R1

## 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:

94	°C	4	min	X30
94	°C	30	sec	
56	°C	30	sec	
72	°C	60	sec	
72	°C	10	min	

## Expected fragment size:

PCR 5'Arm	289	bp
PCR 3'Arm	442	bp

## Comments/Additonal information:

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