

# Genotyping protocol

## General information:

Strain name	C57BL/6N-Mex3a<tm1(KOMP)Vlcr>/Cnbc
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## Primers:

Name	Sequence	Primer type
RegNeoFw	GCAGCCTCTGTTCCACATACACTTCA	
Mex3aSD_Rv	TCATGTTAGGAGATGGGAGGTCAGG	
RegLacZRv	GTCTGTCCTAGCTTCCTCACTG	
Mex3aNeoFw	AGGGTTTCTCTAAACTGGGGACAGG	

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

	Forward primer	Reverse primer
Neo	RegNeoFw	Mex3aSD_Rv
LacZ	Mex3aNeoFw	RegLacZRv

## 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	X35
95	°C	30	sec	
58	°C	30	sec	
72	°C	45	sec	
72	°C	10	min	

## Expected fragment size:

Neo	494	bp
LacZ	543	bp

## Comments/Additonal information:

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