

Genotyping protocol

General information:

Strain name	B6.129-Cdkn2c<tm1Bbd>/Cnbc
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Primers:

Name	Sequence	Primer type
P18.f_8F04	GAAGTGACACTTATGTAGGAGGCTT	
P18.r_8F06	GGTAGAATAAATCGATCAATAGACCAGA	
PGK.r_18C9	GACGTGCTACTTCCATTTGTCACG	

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

	Forward primer	Reverse primer
WT	P18.f_8F04	P18.r_8F06
KO	P18.f_8F04	PGK.r_18C9

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:

95	°C	5	min	X35
95	°C	30	sec	
58	°C	30	sec	
72	°C	45	sec	
72	°C	10	min	

Expected fragment size:

WT	380	bp
KO	650	bp

Comments/Additonal information:

MGI :1933761