

Genotyping protocol

General information:

Strain name	B6JOlaHsd.Cg-Cdkn2a<tm1Rdp>/Cnbc
-------------	----------------------------------

Primers:

Name	Sequence	Primer type
WT_Fw	CAAATATCGCACGATGTC	
WT_Rv	ATGATGATGGGCAACGTTT	
KO_Fw	CTATCAGGACATAGCGTTGG	
KO_Rv	AGTGAGAGTTTGGGGACAGAG	

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

	Forward primer	Reverse primer
WT	WT_Fw	WT_Rv
KO	Mut_Fw	Mut_Rv

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

Expected fragment size:

wt	230	bp
KO	700	bp

Comments/Additonal information:

--