

# Genotyping protocol

## General information:

Strain name	CD1.129-Adora2a<tm1Map>/Cnbc
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## Primers:

Name	Sequence	Primer type
A2R3	CTC CAC CAT GAT GTA CAC CG	
NeoDR3	AAG GAA GGG TGA GAA CAG AG	
A2D3	CAT GGT TTC GGG AGA TGC AG	

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

	Forward primer	Reverse primer
WT	NeoDR3	A2D3
Mut	A2R3	A2D3

## 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	3	min	X30
94	°C	60	sec	
56	°C	60	sec	
72	°C	60	sec	
72	°C	10	min	

## Expected fragment size:

wt	229	bp
mutant	570	bp

## Comments/Additonal information:

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