

# Genotyping protocol

## General information:

Strain name	STOCK Cdk6<tm2.1Phin> Cdk4<tm1Bbd>/Cnbc
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## Primers:

Name	Sequence	Primer type
Cdk4f_19B5	AATCTTCGGTGCAAACCCTGT	
Cdk4r_10B9	CATAGGCACCGACACCAATTT	
Cdk6ex1_1_F	CGGTTCCACTGTGCCGCACCC	
Cdk6in1_2_R	CCCTAAAAGACACCCAACGCC	

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

	Forward primer	Reverse primer
Cdk4	Cdk4f_19B5	Cdk4r_10B9
Cdk6	Cdk6ex1_1_F	Cdk6in1_2_R

## 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 Cdk4:

94	°C	1	min	X35
94	°C	30	sec	
60	°C	30	sec	
72	°C	30	sec	
72	°C	10	min	

## PCR program Cdk6:

95	°C	5	min	X35
95	°C	30	sec	
60	°C	30	sec	
72	°C	60	sec	
72	°C	10	min	

## Expected fragment size:

Cdk4 WT	360	bp
Cdk4R24C	470	bp
Cdk6 WT	500	bp
Cdk6R31C	600	bp

**Comments/Additonal information:**

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