

Genotyping protocol

General information:

Strain name	STOCK Tyr<c>/Tyr<c-32DSD>/Cnbc
-------------	--------------------------------

Primers:

Name	Sequence	Primer type
WT_Fw	CAAATATCGCACGATGTC	
WT_Rv	ATGATGATGGGCAACGTTC	
KO_Fw	TTCAAAGGGGTGGATGACCG	
KO_Rv	TGACACATAGTAATGCATCC	

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	KO_Fw	KO_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 allele WT:

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

PCR program allele KO:

94	°C	4	min	X35
94	°C	30	sec	
56	°C	60	sec	
72	°C	60	sec	
72	°C	10	min	

Expected fragment size:

wt	230	bp
KO	350	bp

Comments/Additonal information: