

# Genotyping protocol

## General information:

Strain name	MRL.Cg-Ccr1tm1Gao Ccr5tm1Blck Faslpr/Cnbc
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Primers:

Name	Sequence	Primer type
Ccr5WT_Fw	CGCTTCTTGCTGTCTATGGATG	Gene-specific
Ccr5WT_Rv	CGGTGTGGTAGGATTTAGGTCTG	Gene-specific
Ccr5KO_Fw	TGGATTTTCAAGGGTCAGTTCC	Gene-specific
Ccr5KO_Rv	TGTGCTGCAAGGCGATTAAG	Gene-specific
Ccr1WT_Fw	GAGTTCACTCACCGTACCTGTAGC	Gene-specific
Ccr1WT_Rv	TGACCTTCTTCTCACTGGGTCTTC	Gene-specific
Ccr1KO_Fw	CTGTCTCTGATCTGGTCTTCCTT	Gene-specific
Ccr1KO_Rv	TGGGTGGAGAGGCTTTTTGCTTCCTTGC	Gene-specific

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

	Forward primer	Reverse primer
Ccr5WT	Ccr5WT_Fw	Ccr5WT_Rv
Ccr5KO	Ccr5KO_Fw	Ccr5KO_Rv
Ccr1WT	Ccr1WT_Fw	Ccr1WT_Rv
Ccr1KO	Ccr1KO_Fw	Ccr1KO_Rv

## 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	30	sec	
60	°C	30	sec	
72	°C	30	sec	
72	°C	10	min	

## Expected fragment size:

Ccr5WT	277 bp
Ccr5KO	223 bp
Ccr1WT	180 bp
Ccr1KO	155 bp

## Comments/Additonal information:

