

Genotyping protocol

General information:

Strain name	MRL.129S4(B6)-Ccr1tm1Gao Faslpr/Cnbc
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Primers:

Name	Sequence	Primer type
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
Ccr1WT	Ccr1WT_Fw	Ccr1WT_Rv
Ccr1KO	Ccr1KO_Fw	Ccr1KO_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	3	min	X30
94	°C	30	sec	
60	°C	30	sec	
72	°C	30	sec	
72	°C	10	min	

Expected fragment size:

Ccr1WT	180	bp
Ccr1KO	155	bp

Comments/Additonal information:

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