

Genotyping protocol

General information:

Strain name	B6J.CgDido1tm3Cmar/tm3.1Cmar, Gt(ROSA)26Sortm1(EYFP)Cos/tm1(EYFP)Cos
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Primers:

Name	Sequence	Primer type
FLOXD5	GTGTGCTGGCACATTCAGGG	
FLOXD3	GTATTATATTTGGACGTGGTGATT	
FLEX3	TCACATTGCCAAAAGACGGC	

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

	Forward primer	Reverse primer
e.g. wt		
e.g. mut		

Reaction mix:

ddH ₂ O	18,375	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
Primer 100μM	0,125	μl
Taq Polymerase 5U/μl	0,250	μl
DNA	1	μl
Final volume	25	μl

PCR program:

94	°C	5	min	X35
94	°C	30	sec	
60,6	°C	30	sec	
72	°C	45	sec	
72	°C	10	min	

Expected fragment size:

WT Dido1 allele	212	bp
Dido1 with the floxed exon 16	273	bp
Dido1 with the Cre-deleted exon 16	361	bp

Comments/Additional information:

