



Welcome to The Genotyping Protocol System

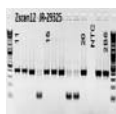
Master Protocol

Strain Name: C57BL/6NJ-Zscan12^{em1J}/_J
Stock Number: 029325
Allele: Zscan12^{em1J}
Protocol Name: Zscan12^{em1J}
Method: MELT
Created: 13-June -2016 (JKELMEN) **Updated:** 06-October -2016 (ESCHAAB)

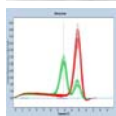
Notes

Expected Results: Mutant = 104 bp
Heterozygote = 104 bp and 147 bp
Wild type = 147 bp

Attachments



View 29325 zscan12.jpg



View zscan12 2primer MCA JW.jpg

- View Zscan12em1j in progress 6-10-16.docx
- View Zscan12 genomic.gcs

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
28486	-	CGA GAC ATG CTG ATT GCT GT	-	Common	A
28488	-	TGA CTA AAG GGT GAC AAA CCA	-	Mutant Reverse	A

Number Of Reactions 1

Reaction A (2 Primer)		Cycling (TouchDown 65-60_12-12-11)			
Component	Final Concentration	Step #	Temp°C	Time	Note
ddH2O		1	94	2 min	-
Kapa 2G HS buffer	1.3 X	2	94	20sec	-
MgCl2	2.6 mM	3	65	15sec	-0.5 C per cycle decrease
dNTPS-kapa	.26 mM	4	68	10sec	-
28486	.5 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
28488	.5 uM	6	94	15sec	-
Glycerol	6.5 %	7	60	15sec	-
Dye	1 X	8	72	10sec	-
Kapa 2G HS taq polymerase	.03 U/ul	9	-	-	repeat steps 6-8 for 28 cycles
		10	72	2 min	-

Reaction A (2 Primer)	Cycling (TouchDown 65-60_12-12-11)			
DNA	11	10	-	hold

Version 3.2