



Welcome to The Genotyping Protocol System

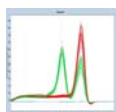
Master Protocol

Strain Name: C57BL/6NJ-*Tex2^{em1J}*
Stock Number: 029113
Allele: *Tex2^{em1J}*
Protocol Name: *Tex2^{em1J}*
Method: MELT
Created: 10-May -2016 (LUCASM) **Updated:** 22-July -2016 (ESCHAAB)

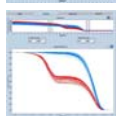
Notes

Expected Results: Mutant = 215 bp
 Heterozygote = 215 bp and 369 bp
 Wild type = 369 bp

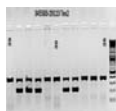
Attachments



View 29113 Tex2 mca.jpg



View 29113 Tex2 hrn.JPG



View 29113 Tex2 gel.jpg

- View Tex2 genomic.gcs
- View Tex2em1jMolDesApr2016.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
27996	-	GGC GCA GTC TGA TAA GGA AG	-	Wild type Forward	A
27997	-	CAC ACA TTT GAG GTT GCA GAG	-	Common	A
27998	-	CTA GAC TGA GAG ATG CCT GGT C	-	Mutant Forward	A

Number Of Reactions 1

Reaction A (3 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
dNTP KAPA	.26 mM	4	68	10sec	-
27996	.5 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
		6	94	15sec	-

Reaction A (3 primer)		Cycling (TouchDown 65-60_12-12-11)			
27998	.5 uM	7	60	15sec	-
27997	.5 uM	8	72	10sec	-
Glycerol	6.5 %	9	-	-	repeat steps 6-8 for 28 cycles
Dye	1 X	10	72	2 min	-
Kapa 2G HS taq polymerase	.03 U/ul	11	10	-	hold
DNA					

Version 3.2