



Welcome to The Genotyping Protocol System

Master Protocol

Strain Name: C57BL/6NJ-*Dnase1l2^{em1J/J}*
Stock Number: 027092
Allele: *Dnase1l2^{em1J}*
Protocol Name: *Dnase1l2^{em1J}*
Method: Standard PCR
Created: 17-July -2015 (JKELMEN) **Updated:** 19-August -2015 (ESCHAAB)

Notes

Expected Results: Mutant = 223 bp
 Heterozygote = 164 bp and 223 bp
 Wild type = 164 bp

Attachments



View dnase-289717.jpg

- View Dnas1l2em1jMolDescr_final 6-30-15.docx
- View Dnase1l2 genomic1.gcs

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
22663	-	TTA CCT CTG CCC CAA TGT GT	-	Mutant Reverse	-
24319	-	AGC AAT GGA GGG TGA GTG AG	-	Common	-
24320	-	CTG GGT CTC GTA CCT CTT GC	-	Wild type Reverse	-

Reaction/Components A

Reaction Components	Volume Amt	Final Concentration	Total Volume Amt
ddH ₂ O	4.25	-	-
5 X Kapa 2G HS buffer	2.40	1	-
25 mM MgCl ₂	0.96	2	-
10 mM dNTP KAPA	0.24	.2	-
20 uM 22663	0.30	.5	-
20 uM 24319	0.30	.5	-
20 uM 24320	0.30	.5	-
5 mM 10x Loading Dye	1.20	.5	-
2.5 U/ul Kapa 2G HS taq polymerase	0.05	.01	-
DNA	2.00	-	-

Cycling

Step #	Temp °C	Time	Note
1	94	2 min	-
2	94	20sec	-
3	65	15sec	-0.5 C per cycle decrease
4	68	10sec	-
5	-	-	repeat steps 2-4 for 10 cycles
6	94	15sec	-
7	60	15sec	-
8	72	10sec	-
9	-	-	repeat steps 6-8 for 28 cycles
10	72	2 min	-
11	10	-	hold

Number Of Reactions 1

Version 3.2