



Welcome to The Genotyping Protocol System

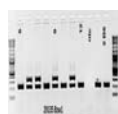
Master Protocol

Strain Name: C57BL/6NJ-Bzw1^{em1J}/J
Stock Number: 029135
Allele: Bzw1^{em1J}
Protocol Name: Bzw1^{em1J}
Method: MELT
Created: 05-May -2016 (LUCASM) **Updated:** 21-July -2016 (ESCHAAB)

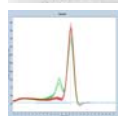
Notes

Expected Results: Mutant = 346 bp
 Heterozygote = 211 bp and 346 bp
 Wild type = 211 bp

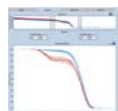
Attachments



View 29135 Bzw1 gel.jpg



View 29135 Bzw1 mca.jpg



View 29135 Bzw1 hrm.JPG

- View Bzw1 Genomic.gcs
- View Bzw1em1jMolDesApr2016.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
27933	-	GCA TGT GGG CAT GTG TAG TAG T	-	Common	A
27934	-	GGT CTT CTT GTG CTG CGA AC	-	Wild type Reverse	A
27935	-	TGG CAA CTC AAA CAG GCT CT	-	Mutant Reverse	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	-
27933	.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)			
27934	.5 uM	7	60	15sec	-
27935	.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