



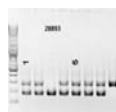
Welcome to The Genotyping Protocol System

Master Protocol

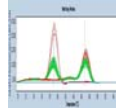
Strain Name: C57BL/6NJ-Hsbp1l1^{em1J}/_J
Stock Number: 028893
Allele: Hsbp1l1^{em1J}
Protocol Name: Hsbp1l1^{em1J}
Method: MELT
Created: 29-February -2016 (JKELMEN) **Updated:** 26-May -2016 (ESCHAAB)

Notes

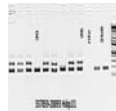
Expected Results: Mutant = 289 bp
Heterozygote = 175 bp and 289 bp
Wild type = 175 bp

Attachments

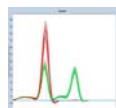
View 28893.jpg



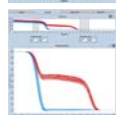
View 28893.JPG



View 337859-28893 Hsbp1l1 gel.jpg



View 337859-28893 Hsbp1l1 tm calling.jpg



View 337859-28893 Hsbp1l1 hrm.JPG

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
26956	-	CCC TGT CTC AAT ACG CAA CA	-	Common	A
26957	-	GCT TGG AAA TGT TCT TCA ACC T	-	Wild type Reverse	A
26958	-	TGT GGC AGA CCA GAC TAG TTC A	-	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	-

Reaction A (3 primer)			Cycling (TouchDown 65-60_12-12-11)			
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	-
26958	.5 uM		5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
26957	.5 uM		6	94	15sec	-
26956	.5 uM		7	60	15sec	-
Glycerol	6.5 %		8	72	10sec	-
Dye	1 X		9	-	-	repeat steps 6-8 for 28 cycles
Kapa 2G HS taq polymerase	.03 U/ul		10	72	2 min	-
DNA			11	10	-	hold

Version 3.2