



Welcome to The Genotyping Protocol System

Master Protocol

Strain Name: C57BL/6NJ-Mpdz^{em1J}/_J
Stock Number: 025734
Allele: Mpdz^{em1J}
Protocol Name: Mpdz^{em1J}
Method: Probe
Created: 04-August -2014 (JKELMEN) **Updated:** 09-December -2014 (ESCHAAB)

Notes

Expected Results: Mutant = 110 bp
 Heterozygote = 110 bp and 150 bp
 Wild type = 150 bp
 Mutation is a 136 bp deletion and a 29 bp insertion at the same locus. Mutant primers will also amplify a 237 bp product from WT.

Attachments

- View 25734 EndPt 9-4-14.jpg
- View 25734 TD60 EvaGr crop 9-2-14.jpg
- View 25734 EndPt 9-4-14.txt
- View Mpdz genomic.gcs
- View JR25734-Mpdzem1J.gcs

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
20649	-	ACC AGA CGA TCA CAC ACC AG	-	Common	-
20650	-	AGT GGG CTG AAA TGG TGC T	-	Wild type Reverse	-
20652	Hex	TGT GAT TGC CAG AGG ATC TTT G	Black Hole Quencher 1	Probe	-
20654	-	GAA GCG GCA GAC ATT AGA GG	-	Mutant Reverse	-
20655	6-FAM	AGC TGC ACG GTG TCT TTG G	Black Hole Quencher 1	Probe	-

Reaction/Components A				Cycling			
Reaction Components	Volume Amt	Final Concentration	Total Volume Amt	Step #	Temp°C	Time	Note
2 X Kapa Probe Fast QPCR	6.00	1	-	1	95	10min	-
ddH2O	3.01	-	-	2	92	15sec	-
100 uM 20649	0.05	.42	-	3	60	1 min	-
100 uM 20650	0.05	.42	-	4	-	-	repeat steps 2-3 for 40 cycles
100 uM 20652	0.02	.17	-	5	4	-	Forever
100 uM 20654	0.05	.42	-				
100 uM 20655	0.05	.42	-				
1 X TE	0.77	.06	-				
DNA	2.00	-	-				

Number Of Reactions 1

Version 3.2