



Welcome to The Genotyping Protocol System

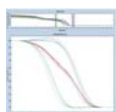
Master Protocol

Strain Name: C57BL/6NJ-Pdgfr^{em1J}/J
Stock Number: 028998
Allele: Pdgfr^{em1J}
Protocol Name: Pdgfr^{em1J}
Method: High Resolution Melting
Created: 05-April -2016 (JKELMEN) **Updated:** 23-June -2016 (ESCHAAB)

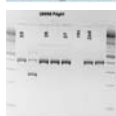
Notes

Expected Results: Mutant = 260 bp
Heterozygote = 260 bp and 392 bp
Wild type = 392 bp

Attachments



View 28998-pdgfr1.JPG



View Pdgfr1-28998 Gel.jpg

- View Pdgfrlem1jin progress 4-1-16.docx
- View Pdgfr1 genomic.gcc

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
27499	-	GAC CAC CTT TGT GAG ATG GA	-	Common	A
27500	-	TCT TTG CGG TTG AGT CAG TG	-	Wild type Reverse	A
27501	-	GTG GAG TGT GAT GGT GGA TG	-	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	-
27499	.5 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
27501	.5 uM	6	94	15sec	-
27500	.5 uM	7	60	15sec	-
Glycerol	6.5 %	8	72	10sec	-
		9	-	-	repeat steps 6-8 for 28 cycles

Reaction A (3 primer)		Cycling (TouchDown 65-60_12-12-11)			
Dye	1 X	10	72	2 min	-
Kapa 2G HS taq polymerase	.03 U/ul	11	10	-	hold
DNA					

Version 3.2