

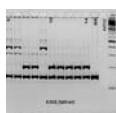
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Welcome to The Genotyping Protocol System

Master Protocol**Strain Name:** C57BL/6NJ-Zfp692^{em1J}/J**Stock Number:** 029320**Allele:** Zfp692^{em1J}**Protocol Name:** Zfp692^{em1J}**Method:** Standard PCR**Created:** 13-June -2016 (JKELMEN) **Updated:** 03-November -2016 (ESCHAAB)**Notes**

Expected Results: Mutant = 211 bp
Heterozygote = 150 bp and 211 bp
Wild type = 150 bp

Attachments

View 29320_GEL.jpg

- View Zfp692em1MolDesJun2016.docx
- View Zfp692 genomic.gcs

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
28479	-	CTA CAG CCT TGG GTT TCT CG	-	Common	A
28480	-	GAG AGG AGC TTG GTG TCA GC	-	Wild type Reverse	A
28482	-	CCT AGA TGC ACA GTT GTT TGT 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	-
28479	.5 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
28482	.5 uM	6	94	15sec	-
28480	.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