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The Jackson Laboratory
Leading the search for tomorrow's cures

Welcome to The Genotyping Protocol System

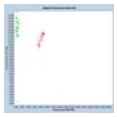
Master Protocol

Strain Name: C57BL/6NJ-*Serp2*^{em1J}/J
Stock Number: 029659
Allele: Serp2^{em1J} Probe
Protocol Name: Serp2^{em1J} Probe
Method: Probe
Created: 21-September-2016 (LUCASM) **Updated:** 13-December -2016 (ESCHAAB)

Notes

Notes:	Taqman qPCR protocols are run on a real time PCR instrument. Use an appropriate instrument specific Fluorophore/Quencher combination. The transgene genotype is determined by comparing ΔCt values of each unknown sample against known homozygous and hemizygous controls, using appropriate endogenous references.
Expected Results:	Mutant= 171 bp Wild Type = 115 bp

Attachments



View Serp2-29659 EP.jpg

\- View Serp2 genomic.gcs

\- View Serp2em1jMolDesSep2016.docx

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29824	-	CCA CTA AGA GTT GCA CCC AGT	-	Common	A
29825	-	AGG TTC ACT GAT TTG GGA AAC A	-	Wild type Reverse	A
29826	-	TCT GTC TCG CCA TAC TTG GA	-	Mutant Reverse	A
29827	Hex	TCC TAC TGG GTA TGA GTG ACA GAC	Black Hole Quencher 1	WT Probe	-
29828	6-FAM	TCT TTG TGT GTT TAG GTT GTG GAC	Black Hole Quencher 1	MUT Probe	-

Number Of Reactions 1

Reaction A (Endpoint 3 primer)

Component	Final Concentration
Kapa Probe Fast QPCR	1 X
ddH2O	
29825	.4 uM
29824	.4 uM
29826	.4 uM
Wt Probe	.15 uM

Cycling (EndPoint)

Step #	Temp°C	Time	Note
1	95	3min	-
2	95	5sec	-
3	60	30sec	-
4	-	-	repeat steps 2-3 for 40 cycles
5	4	-	Forever

Reaction A (Endpoint 3 primer)	
Mutant Probe	.15 uM
DNA	

Version 3.2