



Welcome to The Genotyping Protocol System

Master Protocol

Strain Name: C57BL/6NJ-Ctbs^{em1J}J
Stock Number: 029814
Allele: Ctbs^{em1J} Probe
Protocol Name: Ctbs^{em1J} Probe
Method: Probe
Created: 28-October -2016 (DTG) **Updated:** 22-December -2016 (JKELMEN)

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 ΔC_t values of each unknown sample against known homozygous and hemizygous controls, using appropriate endogenous references.

Expected Results: Mut= 114 bp
Wt= 107 bp

Attachments



View Ctbs-29814 EP.jpg

- View Ctbssem1jMolDesOct2016.docx
- View 29814-Ctbssem1j-genomic.gcs

Sequence

Wt Sequence:
Sequence
Mutant Sequence:

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
30465	-	AGC TCA CAG GGA CTA TTT CG	-	Mutant Forward	A
30466	-	CTC TGC ACA CAT TTC CCA AA	-	Wild type Forward	A
30467	-	CAA GAG GAC AGA ACA AAT GCA G	-	Common	A
30468	6-FAM	AGC AAT GGC TGT TAT TTG GT	Black Hole Quencher 1	MUT Probe	-
30469	Hex	CCC CTT TTC TGG AGT GTT ACT	Black Hole Quencher 1	WT Probe	-

Number Of Reactions 1

Reaction A (Endpoint 3 primer) Cycling (EndPoint)

Reaction A (Endpoint 3 primer)		Cycling (EndPoint)			
Component	Final Concentration	Step #	Temp°C	Time	Note
Kapa Probe Fast QPCR	1 X	1	95	3min	-
ddH2O		2	95	5sec	-
30467	.4 uM	3	60	30sec	-
30465	.4 uM	4	-	-	repeat steps 2-3 for 40 cycles
30466	.4 uM	5	4	-	Forever
Wt Probe	.15 uM				
Mutant Probe	.15 uM				
DNA					

Version 3.2