



Welcome to The Genotyping Protocol System

Master Protocol

Strain Name: C57BL/6NJ-Dolk^{em1J}/J
Stock Number: 026820
Allele: Dolk^{em1J}-EP
Protocol Name: Dolk^{em1J}-EP
Method: End Point Analysis
Created: 18-January -2016 (JKELMEN) **Updated:** 05-February -2016 (ESCHAAB)

Notes

Expected Results: Mutant = -----/-----
Heterozygote = GGCCTTCTACGTCCAGTACAAGTGG/-----
Wild type = GGCCTTCTACGTCCAGTACAAGTGG /GGCCTTCTACGTCCAGTACAAGTGG

Attachments



View Dolk EP.jpg

- View Dolkem1j Molecular description 1-22-15.docx

- View Dolk genomic.gcs

Sequence

Sequence
TGCA GTGGT GTTCGCC GTGGT GTTGAGCATCCACGCTGCAGTGTGGGACCGATACTCCT
GGTGCG
CGGTGGCCCTCGCGGTGCA[ggccttctacgtccagtacaagtgg]GACCGGCTGCTCCAGCAGG
GCAATG
CCGTTTTCCAGTTCCGGATGTCCGCGAACAGCGGCTTACTGCCG

Mutation is a 25 bp deletion.

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
26437	-	GTG TGG GAC CGA TAC TCC TG	-	Forward	A
26438	-	GAA CTG GAA AAC GGC ATT G	-	Reverse	A
26439	Hex	CCT TCT ACG TCC AGT ACA AGT GG	Black Hole Quencher 1	WT Probe	A
26440	6-FAM	CGG TGC AGA CCG GCT G	Black Hole Quencher 1	MUT Probe	A

Number Of Reactions 1

Reaction A (Endpoint 2 primer)		Cycling (EndPoint)			
Component	Final Concentration	Step #	Temp°C	Time	Note
Kapa Probe Fast QPCR	1 X	1	95	3min	-
ddH2O		2	95	5sec	-

Reaction A (Endpoint 2 primer)		Cycling (EndPoint)			
26437	.4 uM	3	60	30sec	-
26438	.4 uM	4	-	-	repeat steps 2-3 for 40 cycles
Wt Probe	.15 uM	5	4	-	Forever
Mutant Probe	.15 uM				
DNA					

Version 3.2