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Welcome to The Genotyping Protocol System

Master Protocol**Strain Name:** C57BL/6NJ-*Ccdc146*^{em1J}/J**Stock Number:** 029569**Allele:** *Ccdc146*^{em1J} Probe**Protocol Name:** *Ccdc146*^{em1J} Probe**Method:** Probe**Created:** 09-September-2016 (LUCASM) **Updated:** 29-November -2016 (ESCHAAB)**Notes**

Mut= 101 bp

Expected Results: Wt= 86 bp

AttachmentsView [ccdc146 JW.jpg](#)- View [Ccdc146 genomic.gcs](#)- View [Ccdc146em1jMolDesAug2016.docx](#)**Protocol Primers**

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29627	-	TCG CTA GCA GTA ACC TAT GTG C	-	Common	A
29628	-	TGT CCT TGT GCC TAT GGA G	-	Wild type Reverse	A
29629	-	CAC CTG GTT TCT TCC TTT TCA	-	Mutant Reverse	A
29630	Hex	CCA TAT GCC TGT GGA TGC	Black Hole Quencher 1	WT Probe	-
29631	6-FAM	TTC ACA CAT TCA CAA CCT CTT CTT	Black Hole Quencher 1	MUT Probe	-

Number Of Reactions 1

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	-
29627	.4 uM	3	60	30sec	-
29629	.4 uM	4	-	-	repeat steps 2-3 for 40 cycles
29628	.4 uM	5	4	-	Forever
Wt Probe	.15 uM				
Mutant Probe	.15 uM				
DNA					

Version 3.2