



## Welcome to The Genotyping Protocol System

## Master Protocol

**Strain Name:** C57BL/6NJ-Sdf2l1<sup>em1</sup>J/J  
**Stock Number:** 029005  
**Allele:** Sdf2l1<sup>em1</sup>J  
**Protocol Name:** Sdf2l1<sup>em1</sup>J  
**Method:** End Point Analysis  
**Created:** 10-May -2016 (LUCASM) **Updated:** 18-July -2016 (ESCHAAB)

## Notes

Expected Results: Mutant = CCACTAAAT  
 Wild type = AATccacgggggtgggctgttactcttcagGCAGCGGCCAACAGTCGGTAACCGgc

## Attachments



- View Sdf2l1-29005 EP.jpg
- View Sdf2l1 Genomic.gcs
- View Sdf2l1 Mut.gcs
- View Sdf2l1em1j\_in progress 5-6-16-1.docx

## Sequence

cctgggctggggtgagctcttggatcctagagtggtaggggctgtgagggaaacttttagtjtcaaGACGAggggtccggaggt  
 ctgtgattaac  
 aag(AATccacgggggtgggctgttactcttcagGCAGCGGCCAACAGTCGGTAACCGgc/CCACTAA  
 AT)GTGGAGG  
 Sequence  
 AGTCCGACGATGCCAATAGTTACTGGCGGATTCGCGGCGGCTCCGAGGGTGGGTGCC  
 GCGCGGACTCC  
 CAGTGCCTGTGGCAAGCAGTGCAGGCTCACGCACGTGCTCACCGGCAAGAACCTGCA  
 CACGCACCACT

## Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
27978	-	AGG GGC TGT GAG GGA AAC T	-	Forward	A
27979	-	CTA TTG GCA TCG TCG GAC TC	-	Reverse	A
27980	Hex	CTG TTA CTC TTC AGG CAG C	Black Hole Quencher 1	WT Probe	-
27981	6-FAM	ACA AGC CAC TAA ATG TGG	Black Hole Quencher 1	MUT Probe	-

Number Of Reactions 1

Reaction A (Endpoint 2 primer)	Cycling (TouchDown 65-60_12-12-11)				
Component	Final	Step #	Temp°C	Time	Note

Reaction A (Endpoint 2 primer)		Cycling (TouchDown 65-60_12-12-11)			
	<b>Concentration</b>	1	94	2 min	-
Kapa Probe Fast QPCR	1 X	2	94	20sec	-
ddH2O		3	65	15sec	-0.5 C per cycle decrease
27979	.4 uM	4	68	10sec	-
27978	.4 uM	5	-	-	repeat steps 2-4 for 10 cycles (Touchdown)
Wt Probe	.15 uM	6	94	15sec	-
Mutant Probe	.15 uM	7	60	15sec	-
DNA		8	72	10sec	-
		9	-	-	repeat steps 6-8 for 28 cycles
		10	72	2 min	-
		11	10	-	hold

Version 3.2