



Welcome to The Genotyping Protocol System

Master Protocol

Strain Name: C57BL/6NJ-Cxcl2^{em1J}/J
Stock Number: 029557
Allele: Cxcl2^{em1J}
Protocol Name: Cxcl2^{em1J}
Method: Probe
Created: 26-August -2016 (LUCASM) **Updated:** 30-November -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 ΔC_t values of each unknown sample against known homozygous and hemizygous controls, using appropriate endogenous references.

Expected Results:

- Mut = 137
- Wt = 161
- Fam = Mut
- Hex = Wt

Attachments



View Cxcl2-29557 EP.jpg

- View Cxcl2em1j_in progress 8-10-16.docx
- View Cxcl2 genomic.gcs

Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
29378	-	GCC CAG ACA GAA GTC ATG TG	-	Wild type Forward	A
29379	-	ACT TTT TGA CCG CCC TTG A	-	Common	A
29380	-	TGT CCC CAA CCC ACT CA	-	Mutant Forward	A
29381	Hex	CCC ATG CTC ACC CTA AAG AA	Black Hole Quencher 1	WT Probe	-
29382	6-FAM	TGA GGG GAC CCT GAG C	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	-
29378	.4 uM	3	60	30sec	-
29379	.4 uM	4	-	-	repeat steps 2-3 for 40 cycles
		5	4	-	Forever

Reaction A (Endpoint 3 primer)	
29380	.4 uM
Wt Probe	.15 uM
Mutant Probe	.15 uM
DNA	

Version 3.2