



## Welcome to The Genotyping Protocol System

## Master Protocol

**Strain Name:** C57BL/6NJ-*Jpt1<sup>em1J</sup>/J* (Formerly Hn1)  
**Stock Number:** 029562  
**Allele:** *Jpt1<sup>em1J</sup>* (Formerly Hn1)  
**Protocol Name:** *Jpt1<sup>em1J</sup>* (Formerly Hn1)  
**Method:** Probe  
**Created:** 15-August -2016 (LUCASM) **Updated:** 07-December -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  $\Delta C_t$  values of each unknown sample against known homozygous and hemizygous controls, using appropriate endogenous references.

Expected Muant= 205 bp  
 Results: Wild Type = 192 bp

## Attachments



View Hn1 em1J\_JR 29562.jpg

- View Hn1em1j\_in progress 8-11-16.docx
- View Hn1 genomic.gcs

## Protocol Primers

Primer	5' Label	Sequence 5' --> 3'	3' Label	Description	Reaction
28106	-	GCC TTC ATG TAG ACC CCA GA	-	Mutant Reverse	A
29192	-	CAG CTT TCT GGT ATG GTA GAT GG	-	Common	A
29193	-	CAG ATG ACA CTG AAA CAT TCC TG	-	Wild type Reverse	A
29196	Hex	CTT GTT AGA AAC AGT CTT GGA GGA	Black Hole Quencher 1	WT Probe	-
29197	6-FAM	ATA CAA TAC CGG CTG GGT GT	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	-
28106	.4 uM	3	60	30sec	-
29192	.4 uM	4	-	-	repeat steps 2-3 for 40 cycles
29193	.4 uM	5	4	-	Forever
Wt Probe	.15 uM				

<b>Reaction A (Endpoint 3 primer)</b>	
Mutant Probe	.15 uM
DNA	

Version 3.2