



Gene Editing Rat Resource Center

Genotyping Your Model



Date:	4/3/2020	
Strain Symbol:	SS-Nppa ^{em4Mcowi}	RGD ID: 4139882
Parental Strain:	<u>SS^{JrHsdMcowi}</u>	Parental Strain RGD ID: 61499
Gene Targeted:	Nppa	Gene RGD ID: 3193
Mutation Description:	22 bp del in exon 2	Allele RGD ID: 4139857
Deletion:	gtctgctcgctcagggcctgcg	
Insertion	N/A	
Mutation Region:	(RGSC 6.0/rn6) chr5:164,808,762-164,808,783	
Target Site:	GCCTCCGCAGGCCCTGAGCgagcag ACCGATGAAGCGGGG	

Genotyping Primers:

Forward:	ATACAGTGCGGTGTCCAACA
Reverse:	AGCCCTCAGTTTGCTTTTCA
WT PCR Size:	372 bp
Mutant Size:	350 bp

Derivation Information:

This strain was produced by injecting a ZFN targeting the sequences GCCTCCGCAGGCCCTGAGCgagcagACCGATGAAGCGGGG into SS/JrHsdMcowi rat embryos. This allele was made by ZFN mutagenesis. The resulting mutation is an 22-bp deletion in exon 2.

Suggested Genotyping:

Questions? Send an email to: mcwcustomrats@mcw.edu

PCR and run on a 2% agarose gel

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