Supplementary Figure S1: Genotyping PCR results of TRPV1 K/O mice.

The Jackson Laboratory

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Stock Number: 003770

Strain Name: B6.129X1-*Trpv1*^{tm1Jul}/J

Allele: Trpv1^{tm1Jul}

Protocol Name: Trpv1^{tm1Jul}-Alternate 1

Method: Standard PCR

Version: 1.2

Created: 19-May -2017 Updated: 24-May -2017

Expected Results:

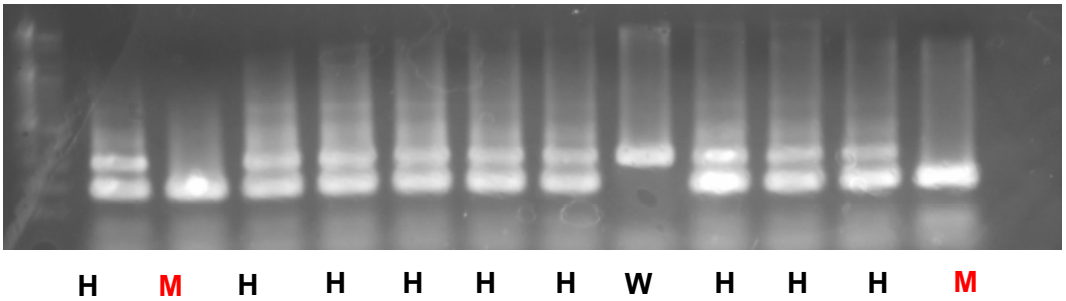
Mutant = 176 bp
Heterozygote = 176 bp and 289 bp
Wild type = 289 bp

Gel Image

Image	Image file
	View

Protocol Primers

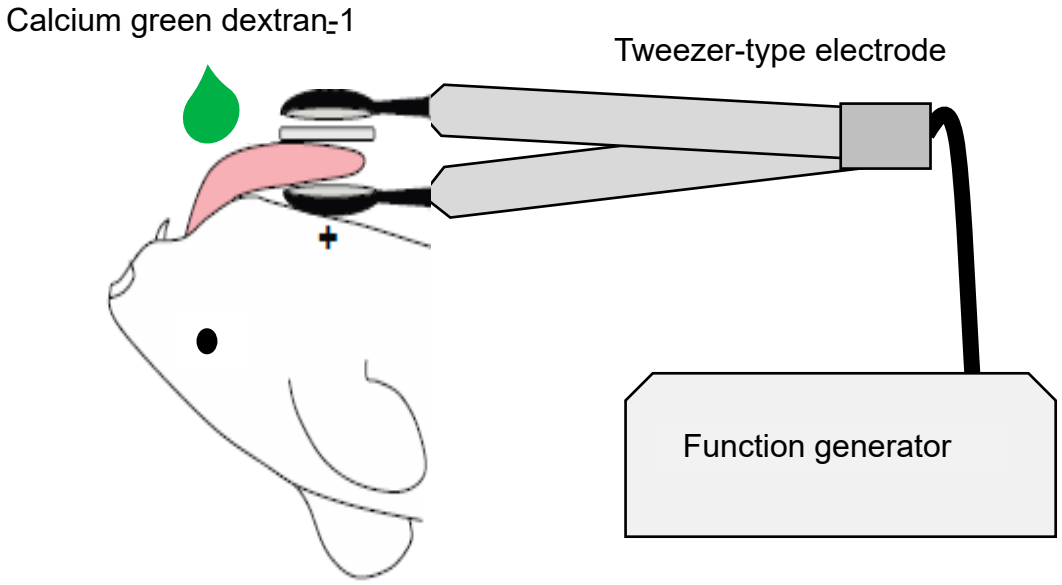
Primer	5' Label	Sequence 5' –> 3'	3' Label	Primer Type	Note
19922		TGG CTC ATA TTT GCC TTC AG		Wild type Forward	Reaction A
19923		CAG CCC TAG GAG TTG ATG GA		Common	Reaction A
oIMR1627		TAA AGC GCA TGC TCC AGA CT		Mutant Forward	Reaction A



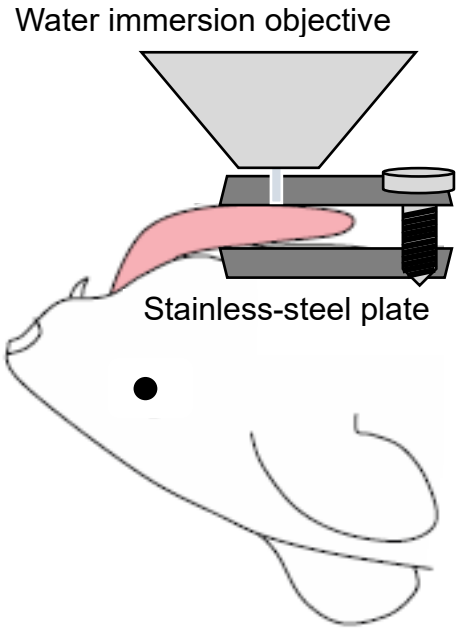
Wild: 289bp
Heterozygote: 176 and 289bp
Mutant: 176bp

Supplementary Figure S2: Scheme of calcium green loading for live imaging.

A



B



Video S1: Live imaging of mouse tongue by two-photon microscope (A) Control; (B) Dry mouth; (C) TRPV1 K/O (Attached separately as a video file.)