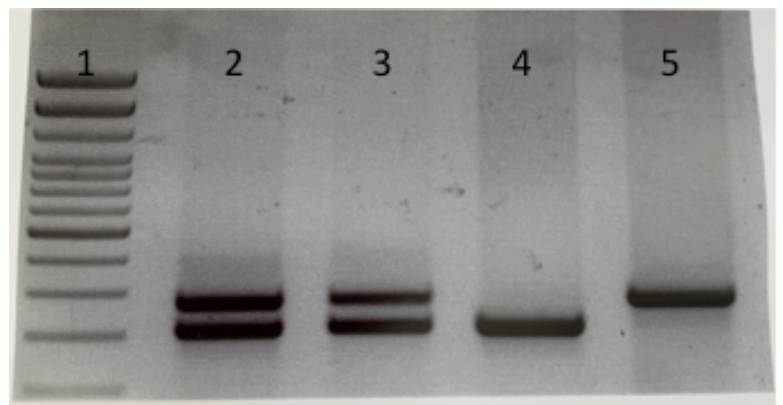


MMRRC UNC – Genotyping Protocol

MMRRC Strain ID	37088
MMRRC Strain Name	B6.129S6(C)- <i>Fli1</i> ^{tm1.1Dkw} /Mmnc
Gene Name(s)	Friend leukemia integration 1
Breeding Protocol(s)	Random Intra-strain Mating
Protocol Date	9/25/2019

PCR Reaction

	1X
ddH ₂ O	13
5X Buffer	5
25mM MgCl ₂	2
10mM dNTPs	0.5
10uM WT Primer	1
10uM Mut Primer	1
Taq	0.5
DNA	2



Thermal Cycler:

Step 1: 95C, 5min
 Step 2: 95C, 30sec
 Step 3: 61C, 30sec
 Step 4: 72C, 60sec
 Step 2 to 4 Cycles: 35
 Step 5: 72C, 7min

1. 100bp Marker (Invitrogen)
 2. Heterozygous Sample
 3. Heterozygous Sample
 4. Wild-type Control
 5. Homozygous Positive Control

Taq: Apex and Chromataq 5X Buffer

Bands: MUT: 362bp
 WT: 309bp

Primer sequences 5' to 3':

Fli(37088)For: GACCAACGGGGAGTTCAAATGACG

Fli(37088)Rev: GGAGGATGGGTGAGACGGGACAAAG

Run on 2.0% agarose gel in TAE.