

## NIH-1075 Genotyping Strategies

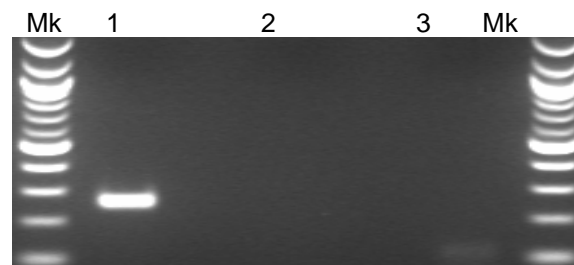
Reaction Components	Vol (ul)
5X GoTaq Buffer	10
25mM MgCl <sub>2</sub>	3.5
10mM dNTPs	1
Primer 20 uM	1
Primer 20 uM	1
5 U/ul Taq polymerase	0.5
Water	28
Total mix volume	45
Tail lysate (1:20 dilution)	5
Total reaction volume	50

Step	Temp	Time	Note
1	94C	15"	
2	65C	30"	Decrease 1C/cycle
3	72C	40"	Go to 1, 10 cycles
4	94C	15"	
5	55C	30"	
6	72C	40"	Go to 4, 30 cycles

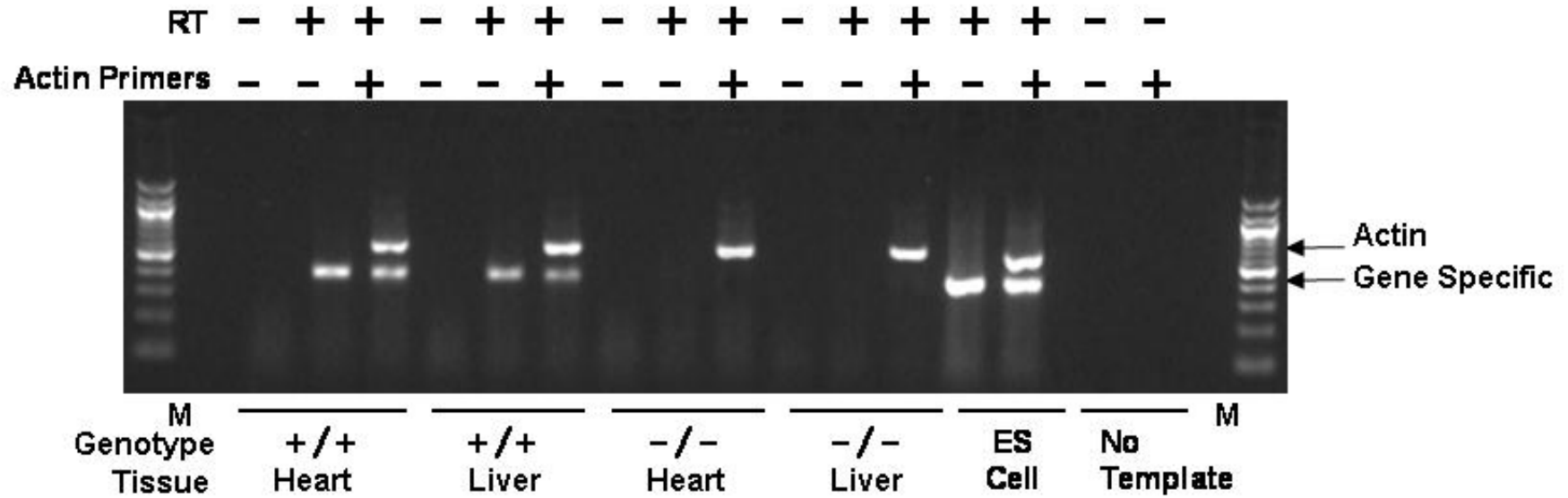
Primer Sequences (5' to 3')	
Mutant PCR: Primer 1075-5' and Primer LTR-rev, 266 bp	
Recommended Wt PCR: Primer 1075-5' and Primer 1075-3', 437 bp	
Primer LTR-rev	ATAAACCCCTCTTGCAGTTGCATC
Primer 1075-5'	TGATGTCTACAGCTAACTCTGC
Primer 1075-3'	AACTCTGAGCAAGGCAGAGTAAGC

Well	Sample	Genotype
1	ES DNA	het
2	wt lysate	wt
3	water	no amp

### Mutant PCR



# QC Expression

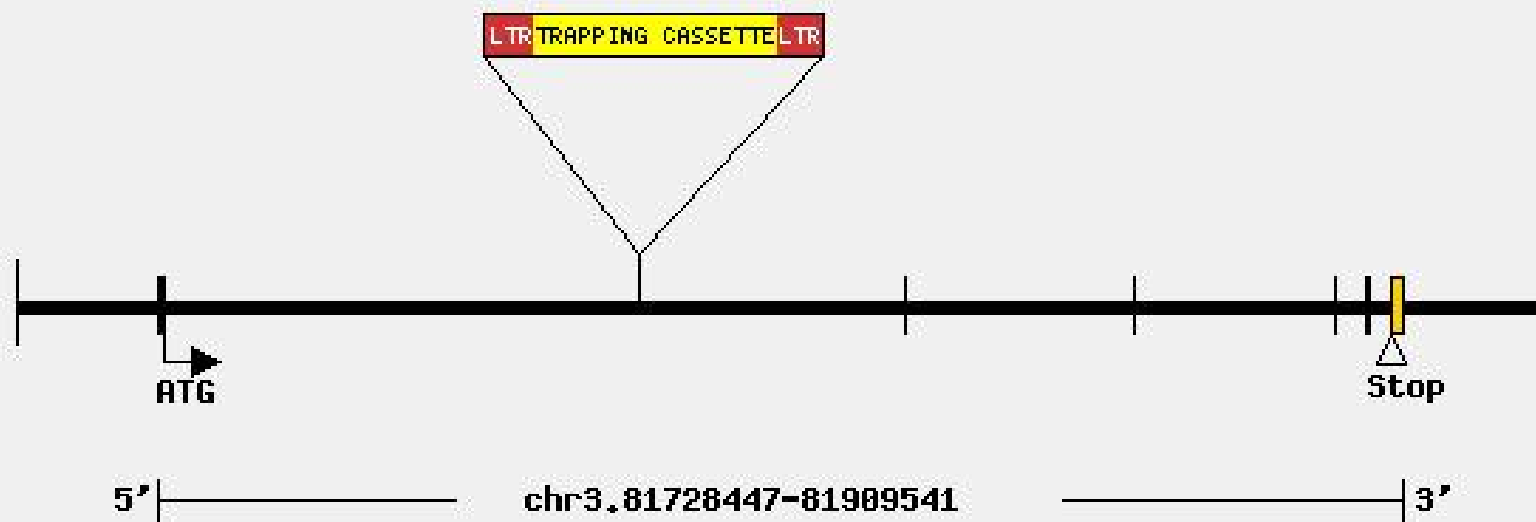


PCR 35 cycles  
Primers: S1&AS1

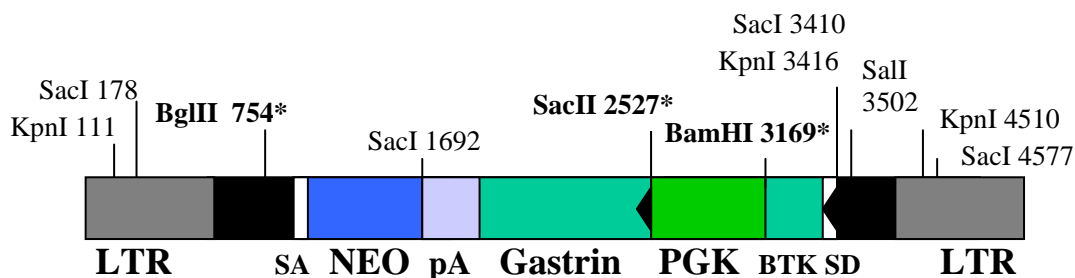
Mouse ID # 56

# QC Image

Accession: NM\_019971.2



# VICTR44 Omnibank Vector



**Total Size:** 4,989 nucleotides

**Non-Cutters:** ApaI, XhoI

\* Unique sites

◀ Frt sites

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TGAAAGACCCCGCTGACGGGTAGTCAATCACTCAGAGGAGACCCTCCCAAG
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