

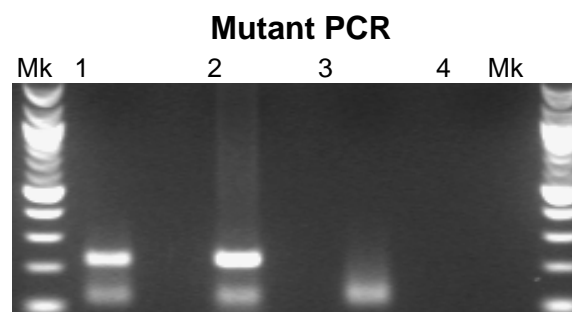
## NIH-0005 Genotyping Strategies

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

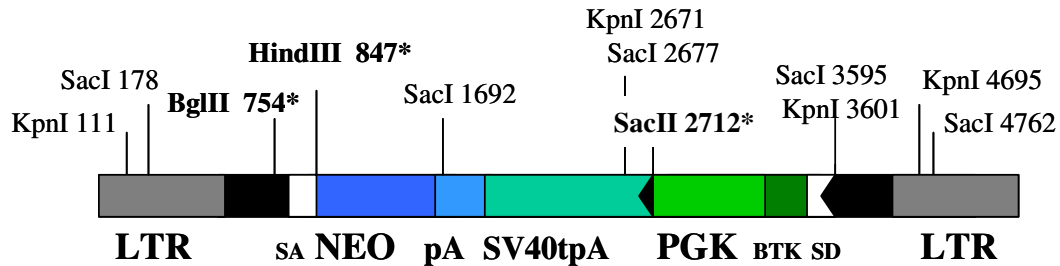
Step	Temp	Time	Note
1	94C	15"	
2	65C	30"	Decrease 1C/cycle
3	72C	40"	Go to 1, 10 cycles
4	94C	15"	
5	55C	30"	
6	72C	40"	Go to 4, 30 cycles

Primer Sequences (5' to 3')	
Mutant PCR: Primer 0005-5' and Primer LTR-rev, 233 bp	
Recommended Wt PCR: Primer 0005-5' and Primer 0005-3', 340 bp	
Primer LTR-rev	ATAAACCCCTCTTGCAGTTGCATC
Primer 0005-5'	AATAGTGAGTTCCAGGACAGCC
Primer 0005-3'	CACCATCTCCAAATGCAGTAGG

Well	Sample	Genotype
1	26	het
2	ES DNA	het
3	wt lysate	wt
4	water	no amp



## VICTR 48 Omnibank Vector



**Total Size:** 5174 nucleotides

**Non-Cutters:** ApaI, XhoI, XmnI

\* Unique sites

### Location of components in VICTR 48:

LTR (viral long terminal repeat): 1-590, 4585-5174

SA (splice acceptor): 755-847

NEO: 867-1684

pA: 1688-1874

pA (SV40 poly adenylation sequence): 1875-2691

frt sites: 2733-2780, 3613-3661

PGK promoter: 2805-3321

BTK exon: 3356-3580

>VICTR 48

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TGAAAGACCCCGCTGACGGGTAGTCAATCACTCAGAGGAGACCCTCCCAAG
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# QC Image

Accession: NM\_011062.1

LTR TRAPPING CASSETTE LTR

