

McManus lab LacZ genotyping protocol

Standard MasterMix

Reagents	1X Vol (uL)
H2O	16.2
NEB 10x Standard or ThermoPol Buffer	2.5
50 mM MgCl2	1
10 mM dNTPs	0.5
LacZ F primer 10 uM	1.3
LacZ R primer 10 uM	1.3
NEB Taq 5 U/ul	0.2
DNA	2
<b>Volume per reaction</b>	<b>25</b>

Standard Cycle

temp	length
94	5 min
94	30 sec
58.8	30 sec
72	45 sec
72	7 min
15	hold

Repeat for 36 cycles

Add 23 uL MasterMix to 2 uL DNA

PCR products visualized on 1.5% agarose gel with 100 bp ASI ladder or with Qiaxcel machine

LacZ F primer sequence

CTCCACAAGGATAACAGTTGA

LacZ R primer sequence

ACTACCATCAATCCGGTAGGT

36X