

Kit/Enzyme: Vazyme 2 x Phanta Flash

Tarih: 11.03.24
PCR ID: 31998 Nestin-Cre

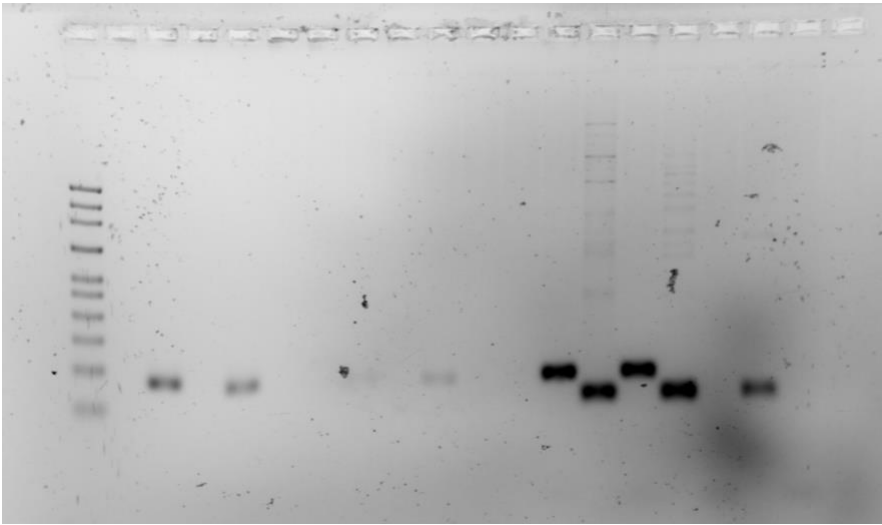
PCR Mix		
	Reagent	µl
	dH2O	y
	2 x Phanta Flash Master Mix	12,5
25mM	Mg	
5M	Betaine	
	DMSO	
10mM	dNTP	
	Taq	
10µM	WT Primer_F	1
10µM	MT Primer_F	1
10µM	Primer_R	1
	Alq	15,5 + y
x ng/µl	DNA	20

Sample DNA		
Sample Name	Conc.	Volume in PCR Mix
N1	4,44 ng/µl	4,5 µl
N2	3,54 ng/µl	5,65 µl
WT1	20 ng/µl	1 µl
WT2	20 ng/µl	1 µl

Primer	Samples
Wild type forward: CAT AAT AAA TTG TTC ACT CTC AAA GG	N1
Mutant forward: GTT CTT GAG TAG TGC GTC ATC G	N2
Common reverse: CCA GAG CTG TGA TTT GTA ATT CT	WT1
	WT2
Product Size:	Mutant= 87 bp
	WT = 93 bp

PCR Condition	Program:
initial denaturation: 98°C	30 sec
35 cycle	
denaturation: 98°C	30 sec
annealing: 60 °C	5 sec
extension: 72°C	1 sec
Final Extension	
72°C	1 min

Notes
3% agarose gel / 110 V - 60 mins



Kit/Enzyme: Vazyme 2 x Phanta Flash

Tarih: 11.03.24

PCR ID: 20627 Generic Cre

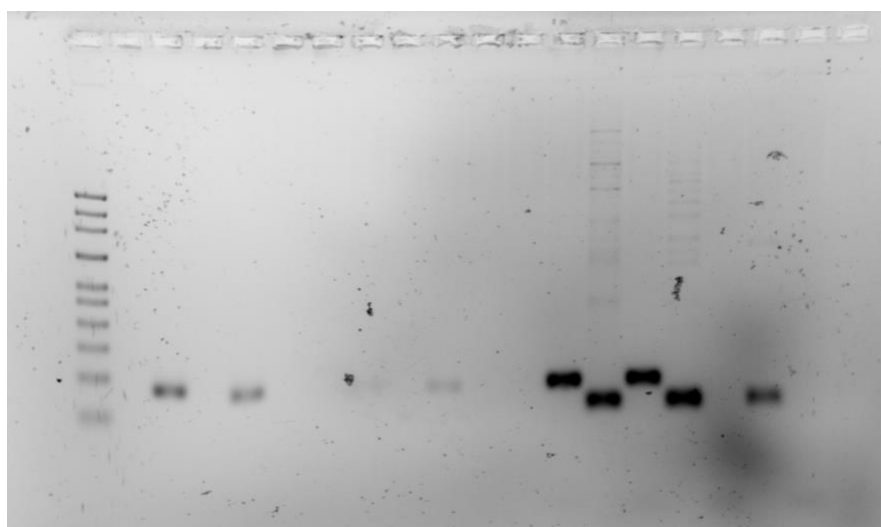
PCR Mix		
	Reagent	µl
	dH2O	y
	2 x Phanta Flash Master Mix	12,5
25mM	Mg	
5M	Betaine	
	DMSO	
10mM	dNTP	
	Taq	
10 µM	TG Primer_F	1
10 µM	TG Primer_R	1
10 µM	IPC Primer_F	1
10 µM	IPC Primer_R	1
	Alq	16,5 + y
x ng/µl	DNA	20

Sample DNA		
Sample Name	Conc.	Volume in PCR Mix
N1	4,44 ng/µl	4,5 µl
N2	3,54 ng/µl	5,65 µl
WT1	20 ng/µl	1 µl
WT2	20 ng/µl	1 µl

Primer	Samples	
TG forward: GCG GTC TGG CAG TAA AAA CTA TC	N1	
TG reverse: GTG AAA CAG CAT TGC TGT CAC TT	N2	
IPC forward: CAC GTG GGC TCC AGC ATT	WT1	
IPC reverse: TCA CCA GTC ATT TCT GCC TTT G	WT2	
Product Size:	IPC = 74 bp	
	Tg = 102 bp	

PCR Condition	Program:
initial denaturation: 98°C	30 sec
35 cycle	
denaturation: 98°C	30 sec
annealing: 60 °C	5 sec
extension: 72°C	1 sec
Final Extension	
72°C	1 min

Notes
3% agarose gel / 110 V - 60 mins



Kit/Enzyme: Vazyme 2 x Phanta Flash

Tarih: 13.03.24

PCR ID: 27807 Snca flox

PCR Mix		
	Reagent	µl
	dH2O	y
	2 x Phanta Flash Master Mix	12,5
25mM	Mg	
5M	Betaine	
	DMSO	
10mM	dNTP	
	Taq	
12,5 µM	Primer F	1
12,5 µM	Primer R	1
	Alq	16,5 + y
x ng/µl	DNA	20

Sample DNA		
Sample Name	Conc.	Vol in Mix
S1	5,3 ng/µl	3,77 µl
S2	3,92 ng/µl	5,1 µl
WT1	20 ng/µl	1 µl
WT2	20 ng/µl	1 µl

Primer	Samples
Forward: AAG AGC TAG TGG TGG GCA GA	S1
Reverse: GCT GGG CAC AGT GTT GAT TG	S2
	WT1
	WT2
Product Size:	Mutant = ~440 bp
	Heterozygote = ~440 bp & 390 bp
	Wild type = 390 bp

PCR Condition	Program:
initial denaturation: 98°C	30 sec
35 cycle	
denaturation: 98°C	30 sec
annealing: 60 °C	5 sec
extension: 72°C	1 sec
Final Extension	
72°C	1 min

Notes
2% agarose gel / 110 V - 85 mins

