

# Genotyping protocol

## General information:

Strain name	Igf1tm1Arge
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## Primers:

Name	Sequence	Primer type
Igf1-F	GTCTAACACCAGCCCATTCTGATT	please select one
Igf1-R	GACTCGATTTTCACCCACTCGATCG	please select one
Neo-F	GCTTGGGTGGAGAGGCTATCC	please select one
Neo-R	CCAGCTCTTCAGCAATATCACGGG	please select one

In case more than two primers are introduced, please indicate how they should be combined:

	Forward primer	Reverse primer
e.g. wt	Igf1-F	Igf1-R
e.g. mut	Neo-F	Neo-R

## Reaction mix:

REExtract-N-Amp PCR Reaction Mix	10	$\mu$ l
Oligo IGF-I sense 0.4 $\mu$ M	0.8	$\mu$ l
Oligo IGF-I antisense 0.4 $\mu$ M	0.8	$\mu$ l
Oligo Neo F 0.4 $\mu$ M	0.8	$\mu$ l
Oligo Neo sense 0.4 $\mu$ M	0.8	$\mu$ l
DNA	4	$\mu$ l
H2O	2.8	$\mu$ l
Final volume	20	$\mu$ l

## PCR program:

94	$^{\circ}$ C	10	min	X30
94	$^{\circ}$ C	60	sec	
59	$^{\circ}$ C	60	sec	
72	$^{\circ}$ C	60	sec	
72	$^{\circ}$ C	10	min	

## Expected fragment size:

wt	250	bp
mutant	658	bp

## Comments/Additonal information:

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