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Ai14 Genotyping

DOI

<https://dx.doi.org/10.17504/protocols.io.81wgbywy1vpk/v1>

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Protocol status: In development

We are still developing and optimizing this protocol

Created: March 09, 2023



Last Modified: March 12, 2023

Protocol Integer ID: 78457

Keywords: ai14

Abstract

genotyping



1 Thaw reagent on ice for  00:10:00 minutes

10m

2 Prepare  Master Mix :

Required

13.1 uL milliQ

Required

2 uL 10x PCR Buffer

Required

0.5 Advance 2 Polymerase Mix

Required

0.4 uL 10 mM dNTP

Required

1 uL Ai14 WT Forward

Required

1 uL Ai14 WT Reverse

Required

1 uL Ai14 Mutant Forward

Required

1 uL Ai14 Mutan Reverse



3 Pipette  19 μ L of  Master Mix into 0.2 mL Tube

4 Lightly Vortex DNA sample for  00:00:30

30s

5 Add  1 μ L of DNA to each tube

6 Select "Ai14" PCR protocol on the thermocycler

7 Run 15 μ L of PCR samples and a DNA ladder on a

1h

Required

200 μ L 1x TAE

Required

4 mg of agarose

at 120 V for  01:00:00 or until the dye is somewhat in the middle of the gel.