# 🌐 Ai14 Genotyping

Ronald.zegarra[1]

[1]BYU
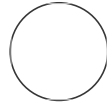
Ronald.zegarra

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ABSTRACT

genotyping

**Protocol status:** In development
We are still developing and optimizing this protocol

**Created:** Mar 09, 2023

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**PROTOCOL integer ID:**
78457

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

**2** Prepare 🧪 Master Mix :

| | |
|---|---|
| **13.1 uL milliQ** | |
| **2 uL 10x PCR Buffer** | |
| **0.5 Advance 2 Polymerase Mix** | |
| **0.4 uL 10 mM dNTP** | |
| **1 uL Ai14 WT Forward** | |
| **1 uL Ai14 WT Reverse** | |
| **1 uL Ai14 Mutant Forward** | |
| **1 uL Ai14 Mutan Reverse** | |

**3** Pipette 🧪 19 µL of 🧪 Master Mix into 0.2 mL Tube

**4** Lightly Vortex DNA sample for ⏱ 00:00:30                                   `30s`

**5** Add 🧪 1 µL of DNA to each tube

**6**    Select "Ai14" PCR protocol on the thermocycler

**7**    Run 15 uL of PCR samples and a DNA ladder on a    `1h`

| | |
|---|---|
| **200 uL 1x TAE** | |
| **4 mg of agarose** | |

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