

# Genotyping protocol

## General information:

|             |                         |
|-------------|-------------------------|
| Strain name | B6.Cg-Tg(G6PD)#Srn/Cnbc |
|-------------|-------------------------|

## Primers:

| Name        | Sequence                       | Primer type |
|-------------|--------------------------------|-------------|
| Forward 340 | AAG AAG CAG ACT GGA GGA GAA G  |             |
| Reverse 180 | CAG GTT GTC ACT CTC AGA ACA GA |             |
| TshbF_14B2  | CTA CAT GAG CAG GCA GAC TGG A  |             |
| TshbR_14B3  | AAT GGA CGG GCT GCT TCT ATC    |             |

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

|                   | Forward primer | Reverse primer |
|-------------------|----------------|----------------|
| Tg                | Forward 340    | Reverse 180    |
| Integrity control | TshbF_14B2     | TshbR_14B3     |

## Reaction mix:

|                                   |       |    |
|-----------------------------------|-------|----|
| ddH <sub>2</sub> O                | 18,5  | μl |
| PCR Buffer 15mM MgCl <sub>2</sub> | 2,5   | μl |
| dNTPs 2,5mM                       | 2,5   | μl |
| Primer 100μM                      | 0,125 | μl |
| Primer 100μM                      | 0,125 | μl |
| Taq Polymerase 5U/μl              | 0,250 | μl |
| DNA                               | 1     | μl |
| Final volume                      | 25    | μl |

## PCR program:

|    |    |    |     |     |
|----|----|----|-----|-----|
| 94 | °C | 5  | min | X27 |
| 94 | °C | 30 | sec |     |
| 62 | °C | 30 | sec |     |
| 72 | °C | 30 | sec |     |
| 72 | °C | 10 | min |     |

## Expected fragment size:

|                   |        |
|-------------------|--------|
| Tg                | 380 bp |
| Integrity control | 650 bp |

## Comments/Additonal information:

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