

# Genotyping protocol

## General information:

|             |                              |
|-------------|------------------------------|
| Strain name | B6.Cg-Tg(Wap-Shh)119Mig/Cnbc |
|-------------|------------------------------|

## Primers:

| Name     | Sequence               | Primer type |
|----------|------------------------|-------------|
| ShhTg_Fw | CGTGCTGGTTATTGTGCTGTC  |             |
| ShhTg_Rv | CCACTGGTTCATCACAGAGATG |             |
|          |                        |             |
|          |                        |             |

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

|       | Forward primer | Reverse primer |
|-------|----------------|----------------|
| ShhTg | ShhTg_Fw       | ShhTg_Rv       |
|       |                |                |

## 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 | X35 |
| 94 | °C | 60 | sec |     |
| 55 | °C | 90 | sec |     |
| 72 | °C | 60 | sec |     |
| 72 | °C | 10 | min |     |

## Expected fragment size:

|       |     |    |
|-------|-----|----|
| ShhTg | 400 | bp |
|-------|-----|----|

## Comments/Additonal information:

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