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| PCR HY1.1 |
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## 1- PCR mix

2,50 µl 10X buffer(Q BIOgene ; 1,5 mM MgCl<sub>2</sub>)  
 0,50 µl dNTP (20 mM total)  
 0,15 µl primer aHY1(200 ng/µl)  
 0,15 µl primer aHY2 (200 ng/µl)  
 0,15 µl primer bHY1 (200 ng/µl)  
 0,15 µl primer bHY2 (200 ng/µl)  
 0,20 µl Taq polymerase (Q BIOgene ; 5U/µl)  
 20,20 µl distilled water

## 2- PCR reaction :

24,0 µl mix  
 1,0 µl DNA (200ng/µl)

## 3- PCR program :

|       |       |           |
|-------|-------|-----------|
| 5 min | 94°C  |           |
| 1 min | 94°C  |           |
| 1 min | 55 °C | 35 cycles |
| 2 min | 72°C  |           |
| 5 min | 72°C  |           |

## 4- Primers:

|               |                               |
|---------------|-------------------------------|
| - Primer aHY1 | 5' CTGGAGCTCAGATGCAGTTA3'     |
| - Primer aHY2 | 5' ACGAGCTGACGACAACCATGCAC 3' |
| - Primer bHY1 | 5' ACAAGGTGGCAGTAACAGGA 3'    |
| - Primer bHY2 | 5' ACAGTCAGTCTGGTTCCTGA 3'    |

## 5- Amplifications:

transgenes: aHY : 250 bp + bHY : 300 bp