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| PCR SM22 |
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1- PCR mix

2,50 µl 10X buffer(Q BIOgene ; 1,5 mM MgCl₂)
 0,25 µl dNTP (20 mM total)
 0,20 µl primer SM22F (200 ng/µl)
 0,20 µl primer LacZ430 R (200 ng/µl)
 0,20 µl Taq polymerase (Q BIOgene ; 5U/µl)
 19,65 µl distilled water

2- PCR reaction :

23,0 µl mix
 2,0 µl DNA (200ng/µl)

3- PCR program :

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|-------|-------|-----------|
| 5 min | 94°C | |
| 1 min | 94°C | |
| 1 min | 62 °C | 35 cycles |
| 2 min | 72°C | |
| 5 min | 72°C | |

4- Primers:

- Primer SM22F 5' GAGGGGTGACATCACTGCCTAG 3'
 - Primer LacZ430 R 5' GATCGATCTCGCCATACAGCGC 3'

5- Amplification:

transgene : about 320 bp