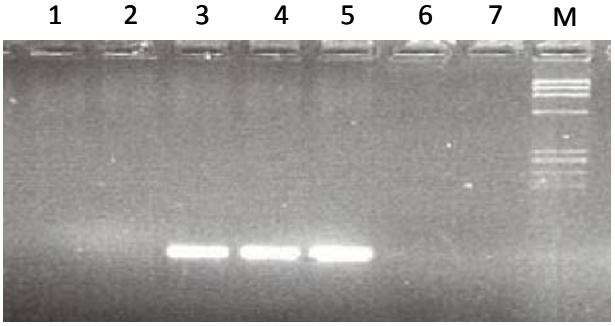
| Transgene | *Luc* |
|---|---|

| primer | Sequence(5'-3') | Size | target gene | accession |
|---|---|---|---|---|
| Luc-F1 | AACATAAAGAAAGGCCCGGC | 71bp | luciferase | |
| Luc-R | GCCTTATGCAGTTGCTCTCCA | | | |
| comment | The primers Luc-F1 and Luc-R were used to amplify a 71bp fragment of the luciferase gene region. | | | |

| PCR condition | | | | | | | |
|---|---|---|---|---|---|---|---|
| Taq polymerase | | BIOTAQTM HS DNA Polymerase(BIOLINE, London, UK) | | | | | |
| Thermal cycler | | PC-808(ASTEC) | | | | | |
| PCR buffer | | Ampdirect Plus(Shimadzu Corporation, kyoto, Japan) | | | | | |
| | | **first denature** | **denature** | **anneal** | **extension** | **cycle** | **final extension** |
| PCR | ℃ | 94 | 94 | 60 | 72 | 35 | 72 |
| | min | 3 | 0.5 | 0.5 | 1 | | 3 |
| comment | | PCR method; Blood was applied to FTA®card (GE Healthcare UK Ltd.,UK) and dried. 1.5mm FTA disc was removed from the bloody-stanined region on FTA®card. Untreated sample discs were placed directly in 15 μL PCR mixture containig 1×Ampdirect®Plus, 0.2 μM each primer and 0.4 units of BIOTAQTM HS DNA Polymerase. | | | | | |

Electrocataphoresis ;4% agarose gel




Lane 1-2; (-/-)
Lane3-4; (Tg+/?)
Lane 5 ; Tg-positive control
Lane 6 ; Wild type (negative control)
Lane 7 ; Water (negative Control)
M; size marker φX174-HaeⅢ

| Strain | LEW-Tg(Gt(Rosa)26Sor-luc)11Jmsk |
|---|---|