

PCR-Screening for **Tak1FL & Tak1-delta**

Primers:

518:loxp-s 5' agt tac aag agt cgc tcc atg aat 3'

519: loxp-a 5' ctt tta ttt gag gtt ggt ccc tc 3'

520: intron1f 5' TGT AAT ATG AGG TAT TGG GGT GGG 3'

Reaction volume: 30 µl

| | 1 reaction |
|-----------------------------|--------------------|
| Buffer 10x | 3 µl |
| dNTPs 2 mM | 3 µl |
| Primer mix 10x (33 µM each) | 3 µl |
| MgCl ₂ 25mM | 1,8 µl (f.c.1,5mM) |
| DNA | 2 µl |
| Taq 5 U/µl | 0,2 µl |
| dd-Water | 17 µl |

PCR-Program:

| | | |
|------|--------|-----|
| 94°C | 3 min | |
| 93°C | 30 sec | |
| 63°C | 1 min | 35x |
| 74°C | 1 min | |
| 74°C | 10 min | |

Expected bands are:

FL = 338bp

WT = 258 bp

DEL = 501 bp