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| --- | --- | --- | --- | --- | --- |
| cDNA | upstream primer | downstream primer | Annealing, cycles | Restriction digest | Fragments (bp) |
| VDJ CH | GTCTATTTCTGTGCAAGATCGAAT |  | 69oC,32 cycles | none | 210-644 bp |
| Iμ | CACCCATCCACCTGGCTGCTCA |  | 65oC,32 cycles | none | 226-660 bp |
| Cμ |  | AATGGTGCTGGGCAGGAAGT (CH1) | 65oC,30 cycles | none | 199 bp |
| Iγ3 | TGATGGGATATATCAGGATACC | TACTGGGCTTGGGTATTCTAG (γ3 hinge) | 61oC,30 cycles | *Pst*I | Transgenic: 127+69 Endogenous:196 Both: 145+121 |
| Iγ1 | GACGGCTGCTTTCACAGCTT | GCATGATGGGAAGTTCACTGACTG (CH2) | 58oC,30 cycles | *Mbo*I | Transgenic: 217+100 Endogenous:317 Both: 261 |
| Iγ2b | gagcactgggcctttccagaacta | AGATGGTTCTCTCGATGGGTGA (CH2, germline transcripts) | 61oC,30 cycles | *Hpa*II | Transgenic: 761 Endogenous: 691+82 Both: 108 |
| post-switch γ2b transcripts |  | GGGCATTTGTGACACTCCTTGCA (γ2b hinge,VDJ and Iμ transcripts) | 69o or 65oC,32 or 30 cycles | none | 440 or 446 bp |
| Iγ2a | GCTGATGTACCTACCTGAGAGAG | GTCCACCTTGGTGCTGCTT (CH1) | 61oC,30 cycles | none | Transgenic: 403 Endogenous:399 Both: 280 (splice variant) |
| α  | CCAGGCATGGTTGAGATAGAG (Iα) | CCCAGGTCACATTCATCGTGC (CHI) | 60o C, 35 cycles | *Sst*I and *Pst*I | Transgenic: 202 Endogenous: 123+79 Both: 131 |
| HPRT | GCTGGTGAAAAGGACCTCT | cacaggactagaacacctgc | 54oC, 25 cycles | none | 249 bp |