

Identification of HuR fl/fl vs HuR fl/+ and HuR +/+ mice

Primers:

Sense: 5' – GTT CCA TGG CTC CCC ATA TC- 3'

Antisense: 5' – AGC TTT GCA GAT TCA ACC TC – 3'

PCR reaction

- ~300ngr tail or ear DNA
- 2µl from 10x PCR buffer
- 1.5µl from 25mM MgCl₂
- 1µl from 2.5mM DNTPs
- 1µl from 5µM from each primer
- 0.3µl from 5units Taq polymerase
- H₂O

PCR program

1. 95° C 4min
2. 95° C 1min
3. 56° C 1:30min
4. 72° C 1min
5. Go to step 2, repeat 30x
6. 72° C 10min
7. 16° C 5min

Expected bands: Recombinant: 549bp & WT: 442bp

Example:



1st well HuR fl/+

2nd well HuR fl/fl (looks a bit lower because of bigger DNA amount)

3rd well HuR +/+ (looks a bit lower because of bigger DNA amount)