

## Genomic DNA preparation from mouse tails

1) Place tail snips in 500 $\lambda$  lysis buffer:

100mM NaCl  
10mM Tris pH8  
25mM EDTA  
0.5% SDS  
Proteinase K (0.1 to 0.2  $\mu$ g/ $\lambda$ )

2) Incubate O/N at 56°C

3) Spin down to pellet residual, undigested material

4) Retrieve supernatant and transfer to new tube. Discard pellet

5) Add 500 $\lambda$  isopropanol

6) Swirl until substantial precipitate becomes obvious

7) Microcentrifuge at max for 5 minutes

8) Pour off supernatant and add 700 $\lambda$  75% ethanol

9) Spin at max 5 min.

10) Pour off supernatant and invert tube on paper towels for 5-10 minutes.

11) After ensuring that all ethanol has evaporated, add 100 $\lambda$  10mM Tris pH8

12) Dissolve for a few hours at 56°C or store at 4°C.