Scaled-down version of salting out DNA extraction protocol S. Caplins

Samples: flash frozen or RNAlater whole animals of Alderia willowi

1. Add 250 ul lysis buffer to sample in a 1.5 ml tube, homogenize tissue with a plastic pestle.
2. Add 16.5 ul 10% SDS
3. Add 41.5 ul PK solution (see salting out protocol for PK solution)
4. Mix by gently inverting 5 times
5. Digest overnight 37 C in incubator/shaker @900 RMP (shaking may not be essential)
6. Add 100 ul 5M NaCl
7. Cenrifuge @ 4 C 1011xg for 15 min
8. Transfer supernatant to a new 1.5 ml tube
9. Add 650 ul absolute ethanol
   1. Divide each sample into two or three 1.5 ml tubes (see salting out protocol)
10. Spin @ 4 C 6.2x g for 5 min
11. Carefully remove supernatant
12. Air dry 5 min
13. Resuspend one tube in 50 ul 1xTE transfer to second tube of same sample (see 9a above)
14. Let sit at room temp for 1 hour