Simulations with Drift and Sampling correction

```
##
## Attaching package: 'boot'
##
## The following objects are masked from 'package:gtools':
##
##     inv.logit, logit
```

Simulations under drift

Global parametes: Population size = 1e4 and number of samples from each currenty day population is 100 for a total of 300 populations. And the two ancestral frequencies are from Haak et al, 2015 (Yamanaya and WHG)

K_known = 2, K_unknown = 0

(a)

t1 = 100, t2 = 100, alpha = 0.5

(b)

t1 = 100, t2 = 100, alpha = 0.1

(c)

t1 = 250, t2 = 250, alpha = 0.5

(d)

t1 = 1, t2 = 300, alpha = 0.5

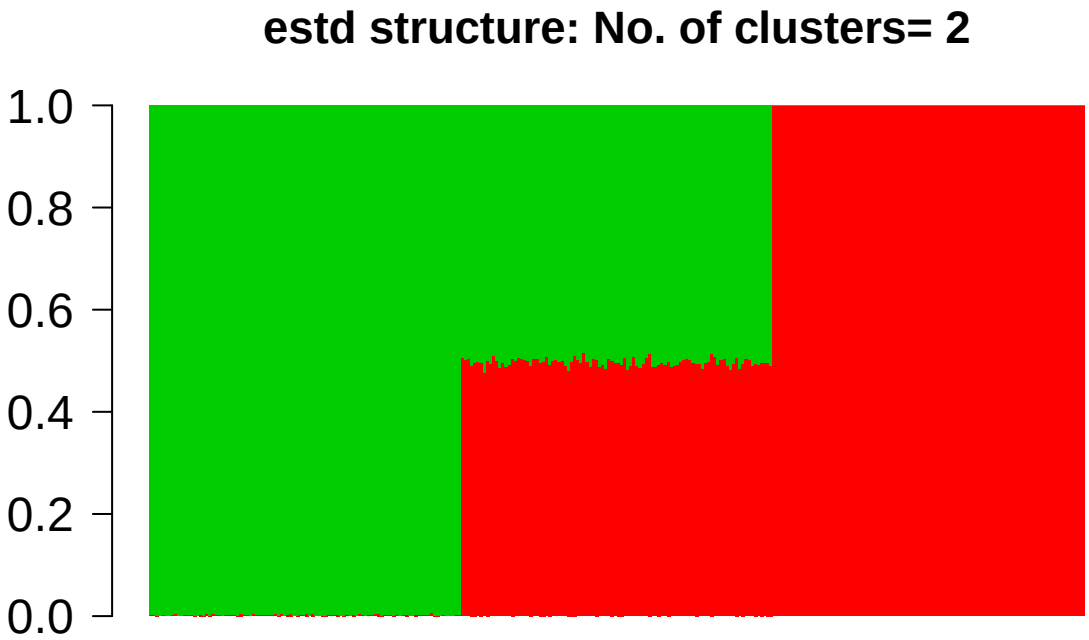
(e)

t1 = 300, t2 = 1, alpha = 0.5

K_known = 1 and K_unknown = 1

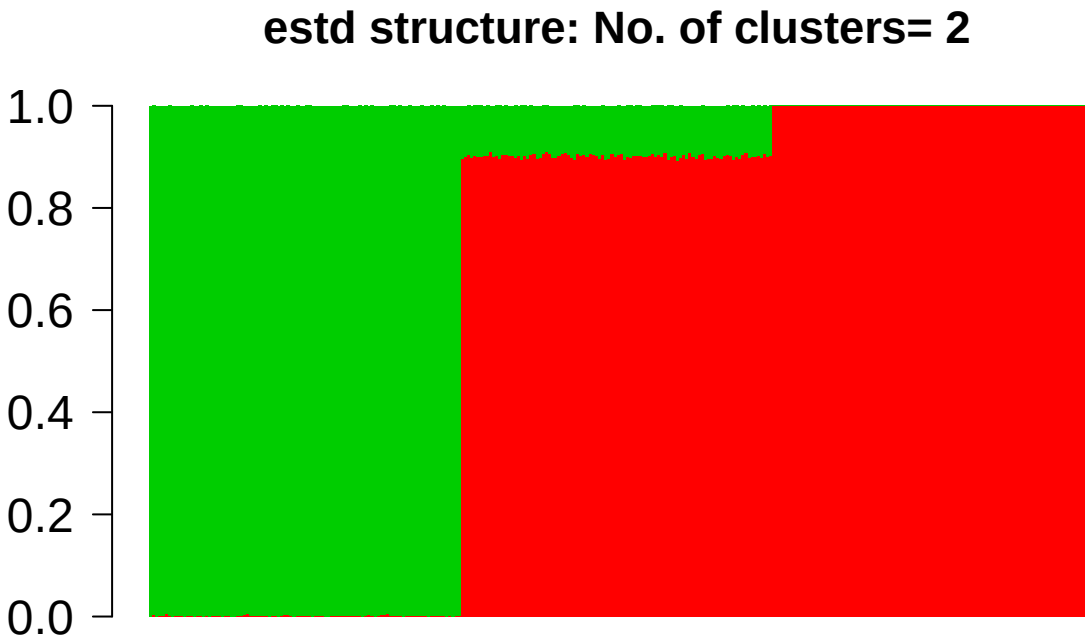
(a-2)

t1 = 100, t2 = 100, alpha = 0.5



(b-2)

t1 = 100, t2 = 100, alpha = 0.1



(c-2)

t1 = 250, t2 = 250, alpha = 0.5

(d-2)

t1 = 1, t2 = 300, alpha = 0.5

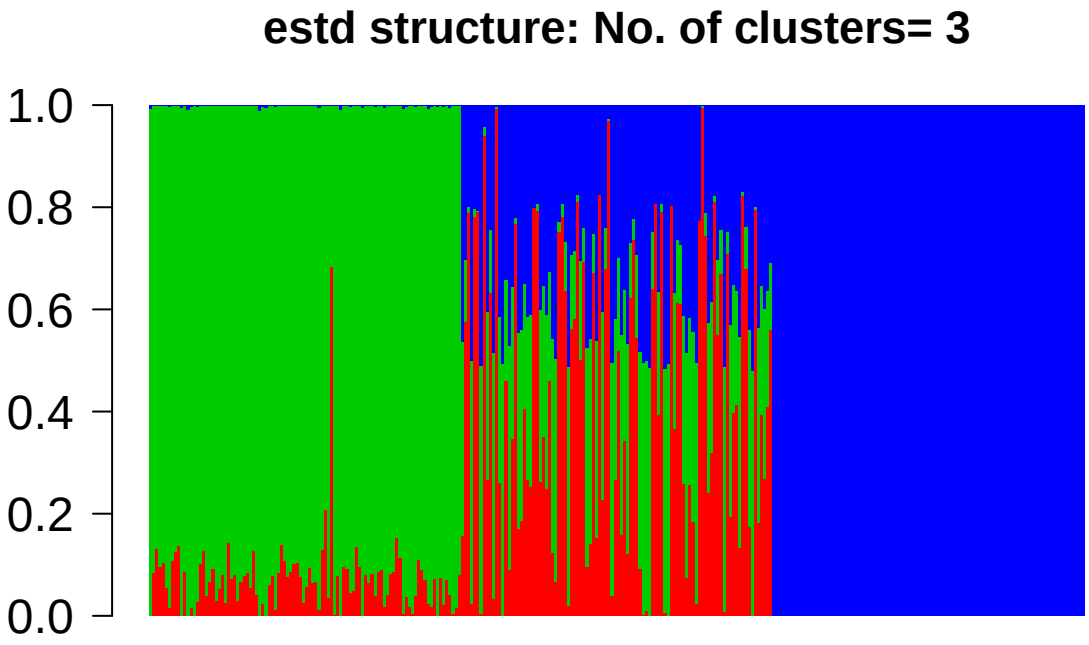
(e-2)

t1 = 300, t2 = 1, alpha = 0.5

K_known = 2 and K_unknown = 1

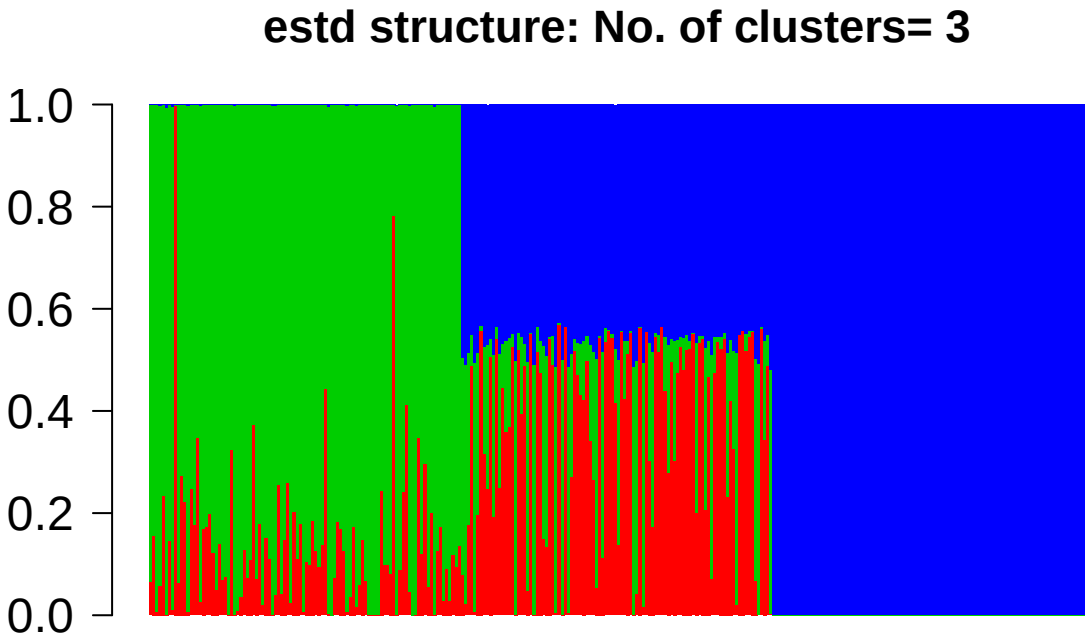
(f)

t1 = 1, t2 =1 , alpha = 0.5



(g)

t1 = 250, t2 =250, alpha = 0.5,



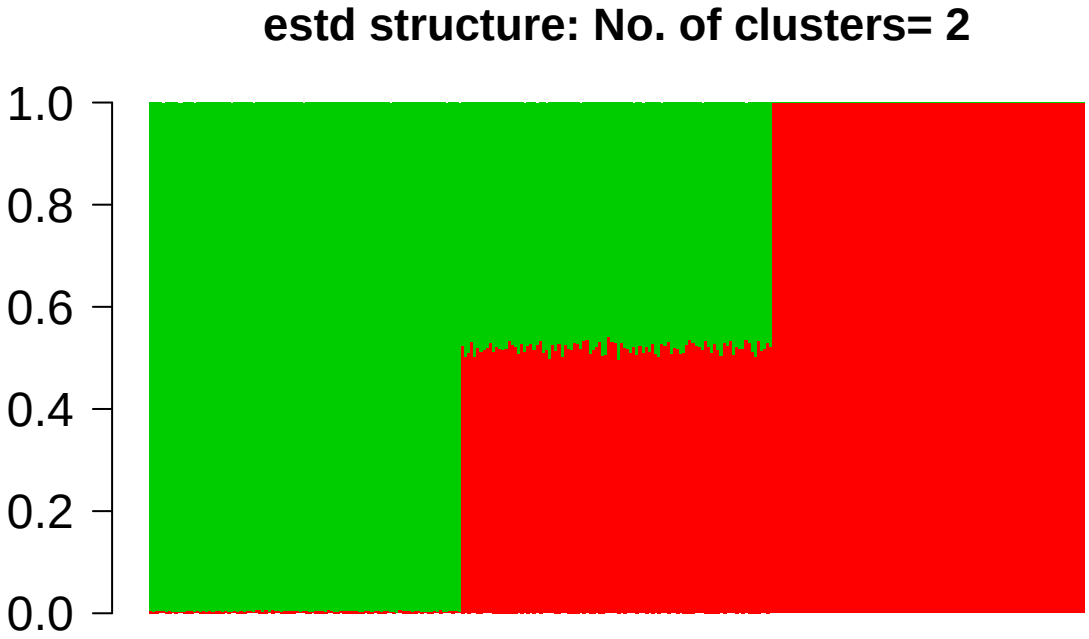
(h)

t1=10, t2 = 300, alpha = 0.5

Now with sampling error and drfit

(I)

t1 = 200, t2 =200 , alpha = 0.5, K_known = 2, K_unknown = 0



(J)

t1 = 200, t2 =200 , alpha = 0.5, K_known = 1, K_unknown = 1