The Mantel Test

```
require(vegan)
mantel( as.dist(D1), as.dist(D2), permutations=9999 )
##
## Mantel statistic based on Pearson's product-moment correlation
##
## Call:
## mantel(xdis = as.dist(D1), ydis = as.dist(D2), permutations = 9999)
##
## Mantel statistic r: 0.9373
##       Significance: 1e-04
##
## Upper quantiles of permutations (null model):
##    90%    95%  97.5%    99%
## 0.0707 0.0940 0.1154 0.1373
## Permutation: free
## Number of permutations: 9999
```

Genetic Structure