Figures S3.1- S3.6 Graphical representation of the detected F_{ST} outlier loci (loci being under natural selection) assuming different hierarchical models for two *Armillaria cepistipes* populations: A – ARLEQUIN and B – BAYESCAN.

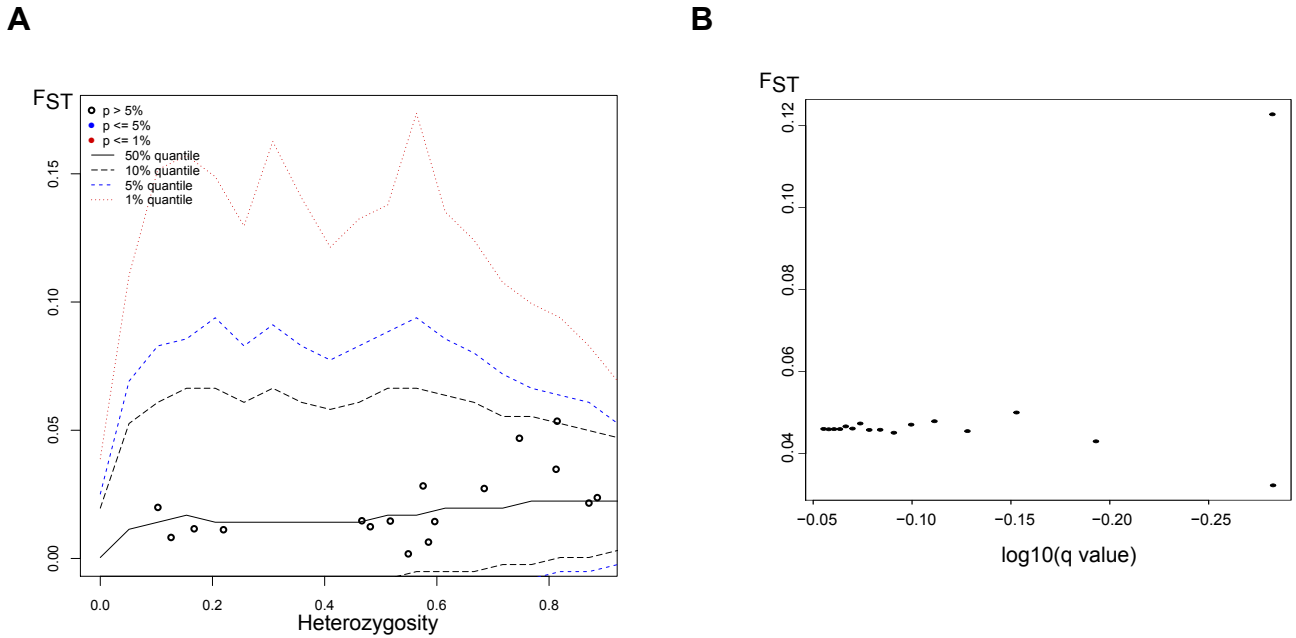**Figure S3.1** **Loci: 17 SSRs**
Populations: 1- Carpathian; 2- Alpine

A

B

Figure S3.2 **Loci: 24 SNPs**
Populations: 1- Carpathian; 2- Alpine

A

B
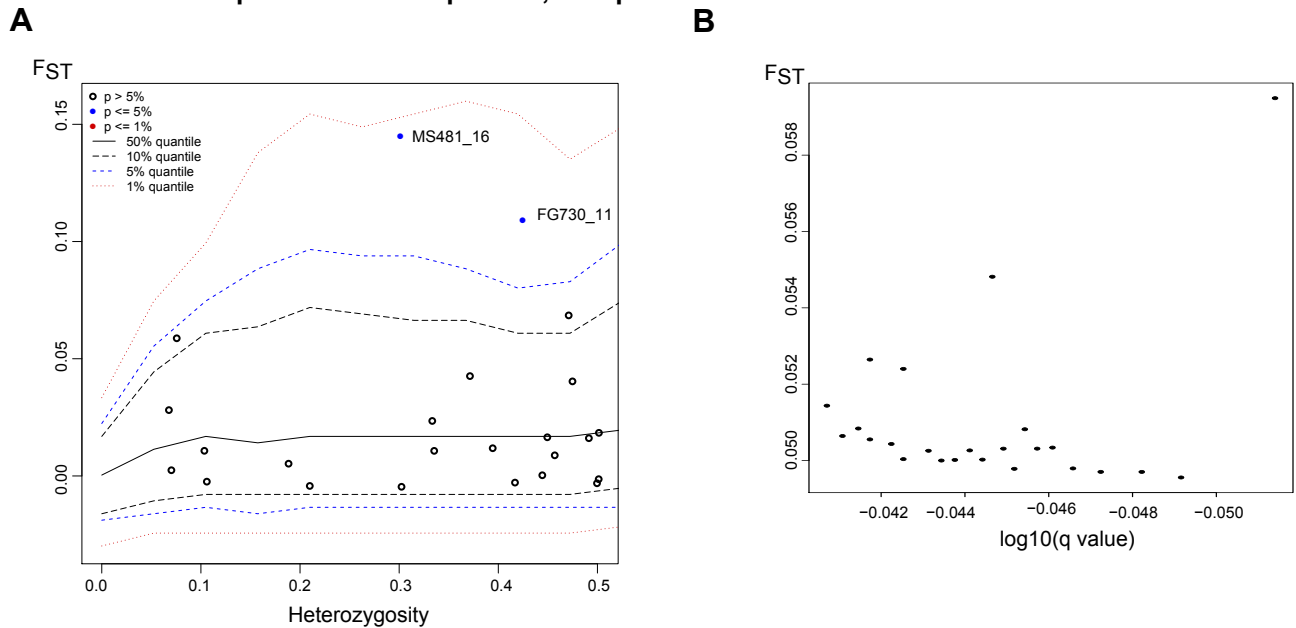
Figure S3.3   Loci: 17 SSRs
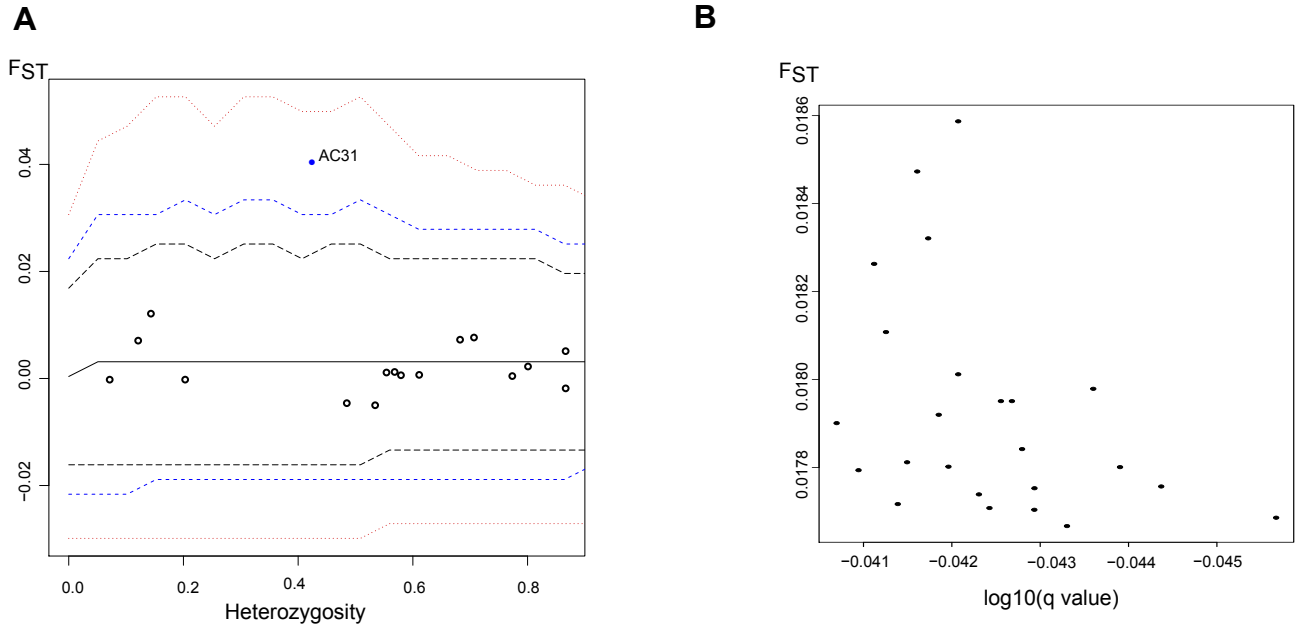**Carpathian population with two subopulations: 1- Beech; 2- Mixed/conifer**

A

B

Figure S3.4   Loci: 17 SSRs
Alpine population with two subpopulations: 1- North; 2- South

A

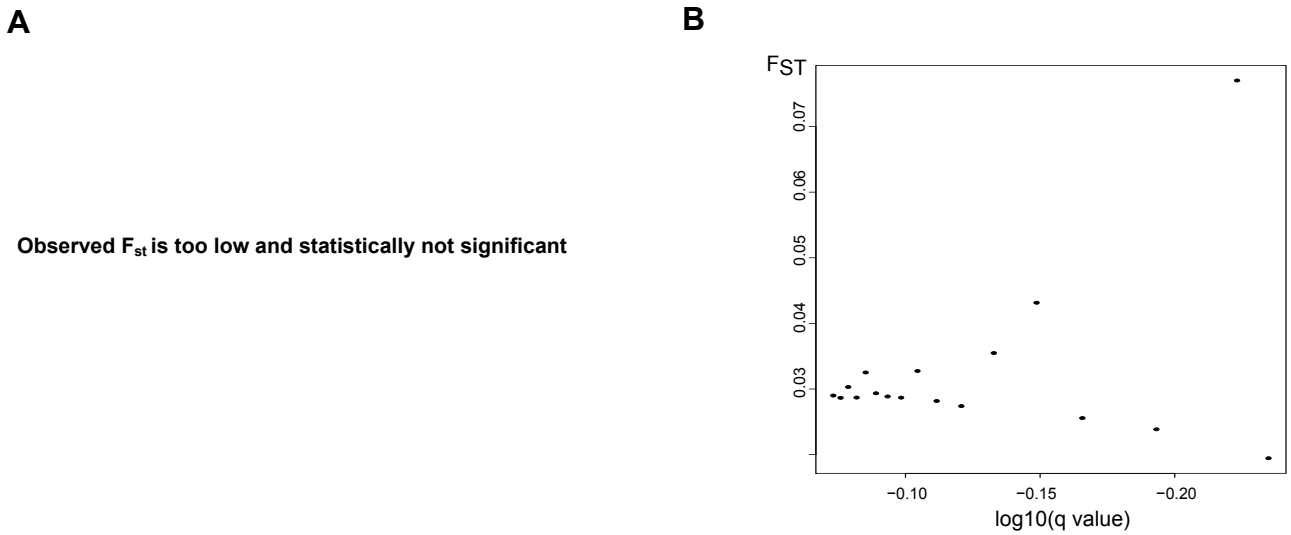**Observed F_{st} is too low and statistically not significant**

B

Figure S3.5   Loci: 24 SNPs
Carpathian population with two subopulations: 1- Beech; 2- Mixed/conifer

A

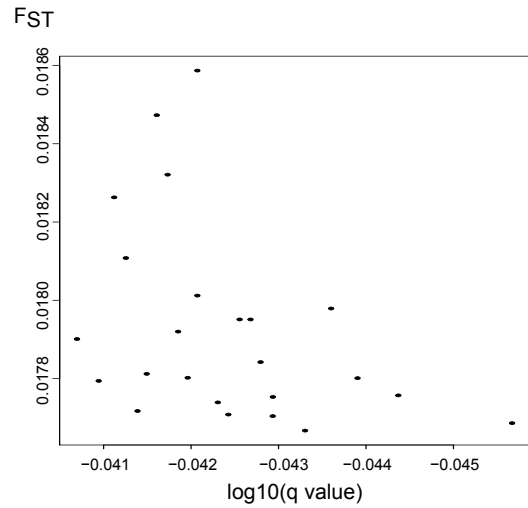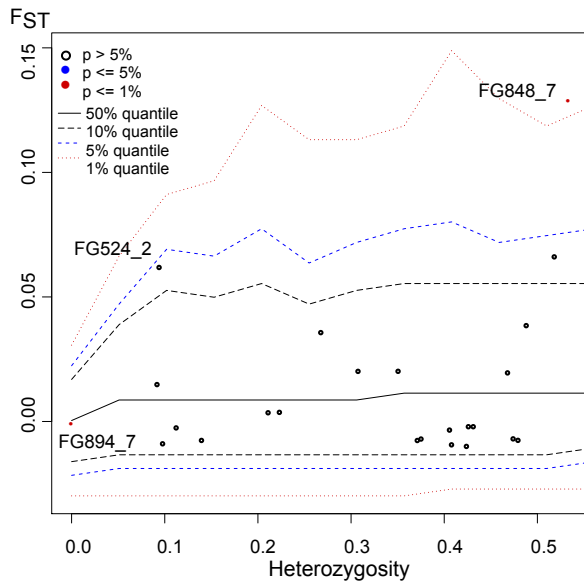Observed F$_{st}$ is too low and statistically not significant

B

Figure S3.6   Loci: 24 SNPs
Alpine population with two subpopulations: 1- North; 2- South

A

B