

Online resource 1

Allele frequencies for each of the 21 microsatellite loci, analyzed in 171 European chestnut samples. The samples were collected from four populations located in western Balkans (Pećigrad, Konjic and Bratunac – Bosnia and Herzegovina; Sava valley – on the border of Croatia and Slovenia) and one reference population located in northern Italy (Merano - South Tyrol).

Population SSR loci Alleles

EMCs2 158 161 164

Pećigrad 0.4189 0.1486 0.4324

Konjic 0.8778 0.0333 0.0889

Bratunac 0.4615 0.0385 0.5000

Sava valley 0.4000 0.1667 0.4333

Merano 0.3750 0.0500 0.5750

EMCs4 164 167 170 173

Pećigrad 0.0541 0.3649 0.5541 0.0270

Konjic 0.0111 0.3778 0.6111 0.0000

Bratunac 0.1410 0.1410 0.6538 0.0641

Sava valley 0.0000 0.1000 0.6667 0.2333

Merano 0.0000 0.6750 0.3250 0.0000

EMCs10 214 216 222 226 228

Pećigrad 0.0405 0.7027 0.0135 0.2432 0.0000

Konjic 0.0000 0.4889 0.0667 0.4444 0.0000

Bratunac 0.1154 0.6026 0.0256 0.2308 0.0256

Sava valley 0.0000 0.6333 0.0000 0.0667 0.3000

Merano 0.1000 0.7500 0.0500 0.0500 0.0500

EMCs11 124 127

Pećigrad 0.3514 0.6486

Konjic 0.5111 0.4889

Bratunac 0.3590 0.6410

Sava valley 0.3621 0.6379

Merano 0.3684 0.6316

EMCs13 155 158 161

Pećigrad 0.1081 0.5676 0.3243

Konjic 0.0000 0.9778 0.0222

Bratunac 0.3333 0.6667 0.0000

Sava valley 0.0500 0.9167 0.0333

Merano 0.1250 0.7750 0.1000