

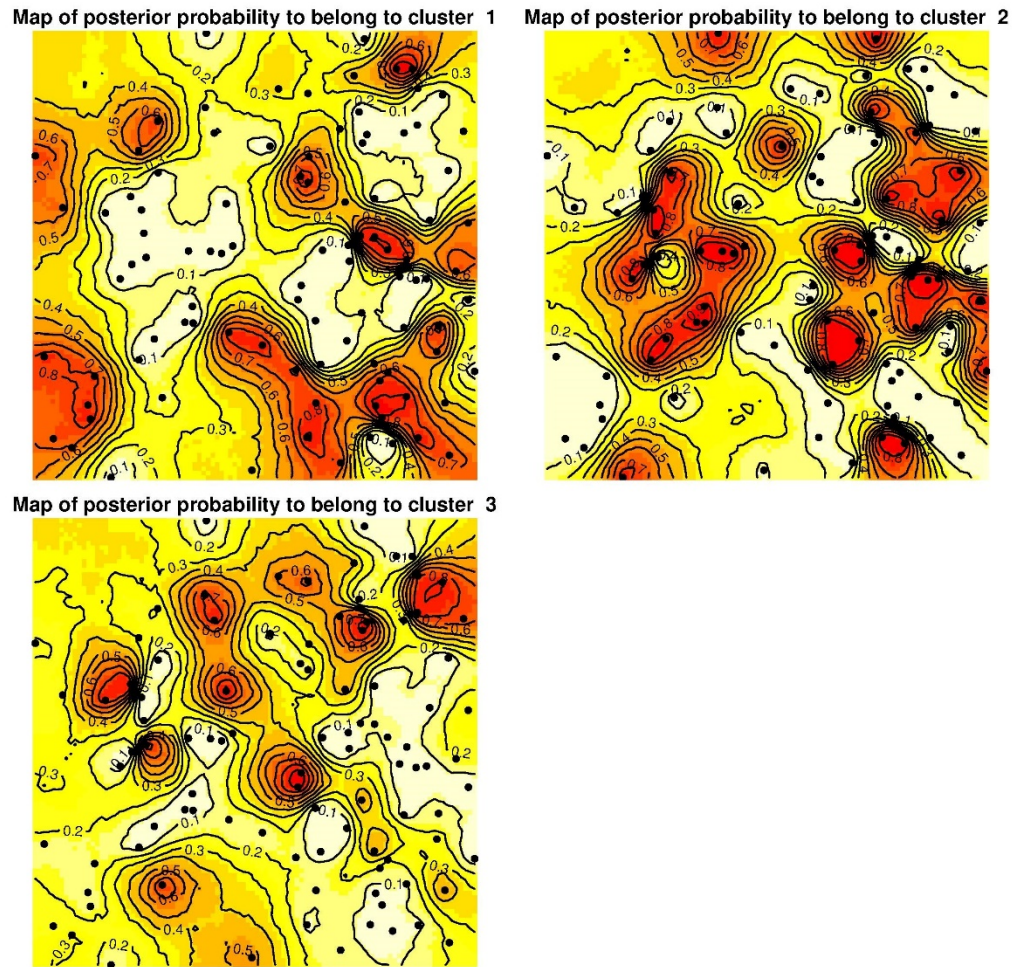
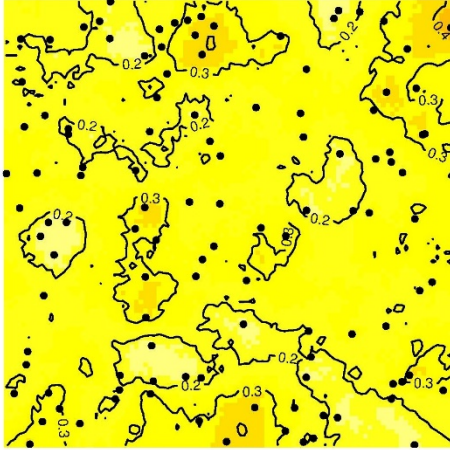


Figure S1. Spatial distribution of q -values (i.e., probabilities to belong to the 3 clusters inferred) in VB1.

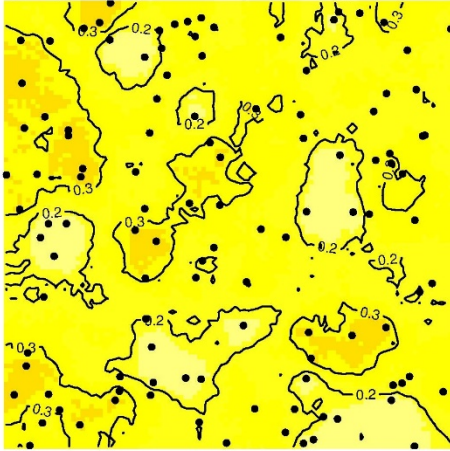
Map of posterior probability to belong to cluster 1



Map of posterior probability to belong to cluster 2



Map of posterior probability to belong to cluster 3



Map of posterior probability to belong to cluster 4

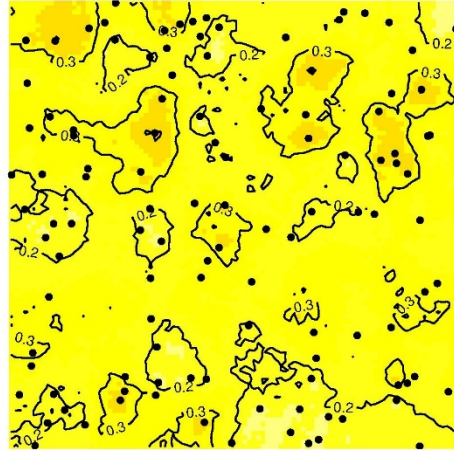


Figure S2. Spatial distribution of q -values (i.e., probabilities to belong to the 4 clusters inferred) in VB2.

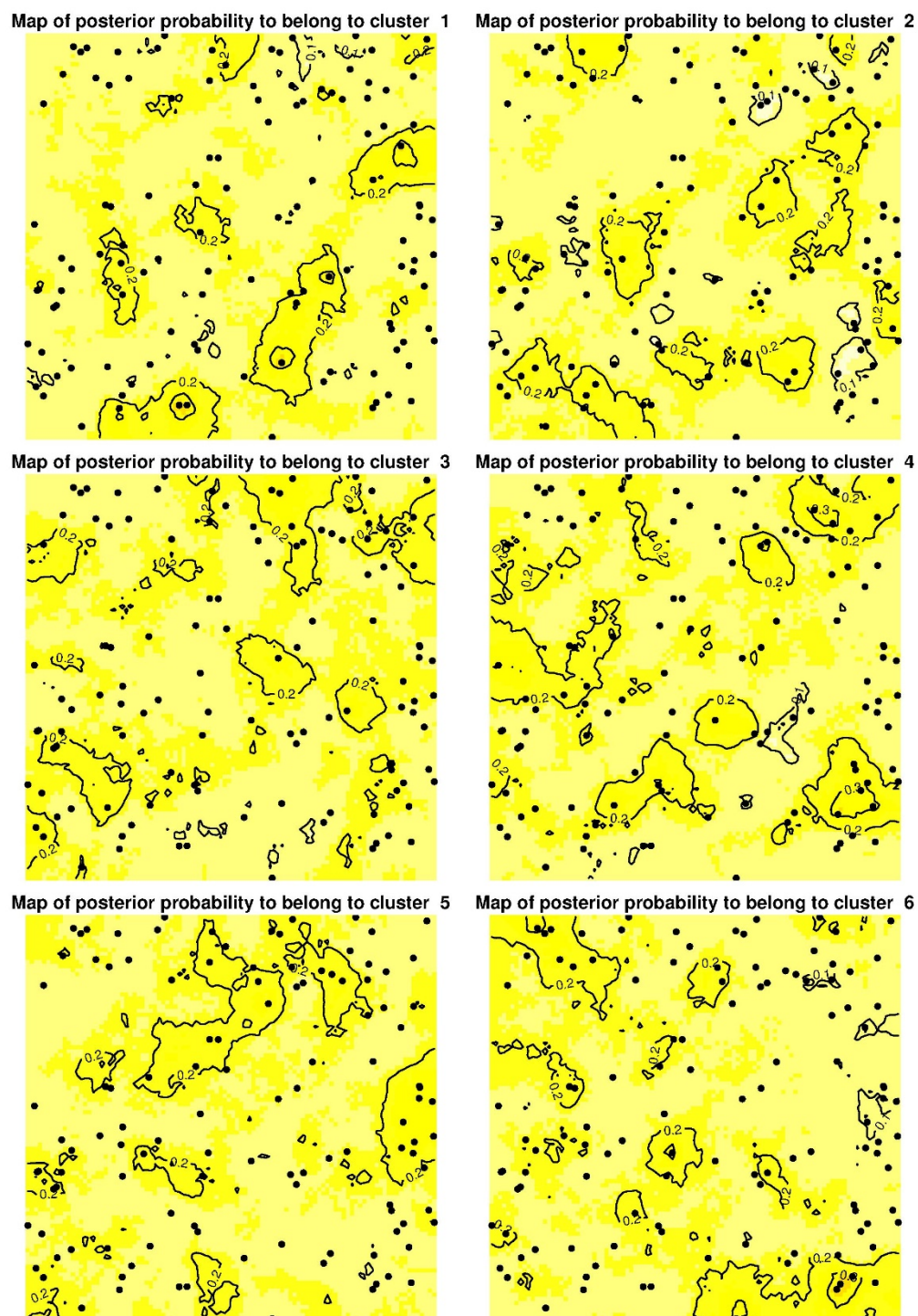
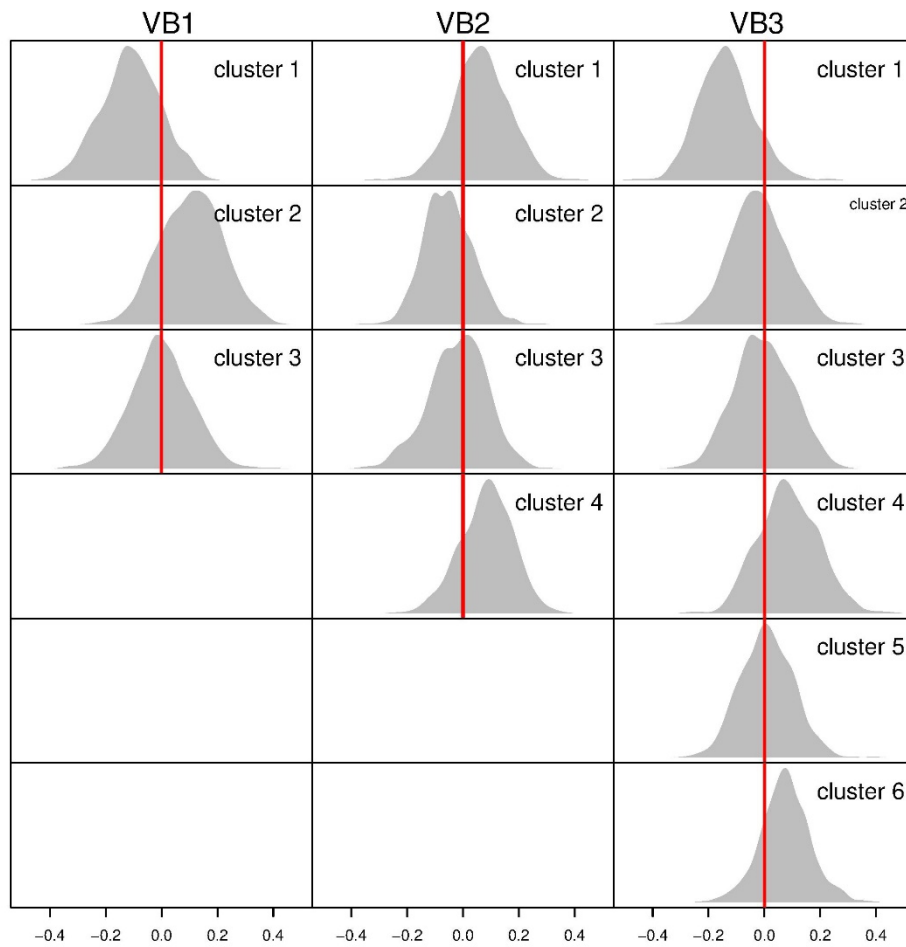


Figure S3. Spatial distribution of q -values (i.e., probabilities to belong to the 6 clusters inferred) in VB3.



Randomized correlation coefficients between trees' age and membership to Geneland clusters

Figure S4. Distributions of randomized correlation coefficients between tree's age and q -values for each genetic cluster inferred by Bayesian clustering within the three study plots.

Table S1. Pair-wise F_{ST} values between genetic clusters inferred by Bayesian clustering in VB1.

	Cluster 1	Cluster 2	Cluster 3
Cluster 1	-	-	-
Cluster 2	0.2043	-	-
Cluster 3	0.0952	0.1916	-

Table S2. Pair-wise F_{ST} values between genetic clusters inferred by Bayesian clustering in VB2.

	Cluster 1	Cluster 2	Cluster 3	Cluster 4
Cluster 1	-	-	-	-
Cluster 2	0.0845	-	-	-
Cluster 3	0.0278	0.0907	-	-
Cluster 4	0.0790	0.1510	0.0683	-

Table S3. Pair-wise F_{ST} values between genetic clusters inferred by Bayesian clustering in VB3.

	Cluster 1	Cluster 2	Cluster 3	Cluster 4	Cluster 5	Cluster 6
Cluster 1	-	-	-	-	-	-
Cluster 2	0.2922	-	-	-	-	-
Cluster 3	0.1581	0.1923	-	-	-	-
Cluster 4	0.1047	0.2390	0.1196	-	-	-
Cluster 5	0.1214	0.1403	0.0424	0.1053	-	-
Cluster 6	0.1673	0.1535	0.0810	0.1059	0.0299	-0