TWO MAIN GENETIC CLUSTERS WITH HIGH ADMIXTURE BETWEEN FOREST AND CULTIVATED CHESTNUT (*CASTANEA SATIVA* MILL.) IN FRANCE

ESM_5 GENETIC DIVERSITY PARAMETERS PER CHESTNUT SAMPLING REGION GENOTYPED AT 10 SSRS WITHOUT MLGS (10*UNIK* DATA SET)

N: number of unique individuals genotyped per sampling region; Na: number of alleles; Ne: mean number of effective alleles; Ho: observed heterozygosity; He: expected heterozygosity; H: Shannon-Weiner diversity index; Ia: index of association; rbarD: standardized index of association; Fis: inbreeding coefficient, with 95% confidence interval (CI). Stars indicate significant *p* values at the 0.001 threshold. The "Total" row contains the sum for N, the total for Na and H, and the mean for the other indices. In bold are extrema (for Fis, CI excluding 0).

Sampling Regions	N	Na	Ne	Ho	He	H	Ia	rbarD	Fis
CultArdech	47	63	3.11	0.696	0.671	3.85	0.495*	0.055*	-0.080 [-0.191;0.032]
CultAriege	64	68	3.37	0.627	0.698	4.16	0.274*	0.031*	0.055 [-0.055;0.148]
CultAveyron	70	67	3.17	0.7	0.68	4.25	0.397*	0.044*	-0.061 [-0.163;0.016]
CultCorsica	38	62	3.41	0.684	0.697	3.64	0.285	0.032	-0.013 [-0.136;0.116]
CultHtPyr	42	62	3.14	0.618	0.673	3.74	0.445*	0.05*	-0.041 [-0.064;0.175]
CultLimousin	59	65	3.30	0.725	0.691	4.08	0.535*	0.06*	-0.067 [-0.171;0.012]
CultVar	13	39	2.22	0.598	0.529	2.56	2.851*	0.333*	-0.137 [-0.302;0.069]
ForArdech	86	65	3.20	0.642	0.683	4.45	0.217*	0.024*	0.015 [-0.086;0.103]
ForAveyron	140	58	2.75	0.633	0.635	4.94	0.237*	0.026*	-0.034 [-0.136;0.024]
ForBasque	24	44	2.42	0.614	0.575	3.18	0.415*	0.046*	-0.072 [-0.174;0.005]
ForCantal	22	47	2.54	0.636	0.593	3.09	0.272	0.030	-0.089 [-0.186 ;0.027]
ForCorsica	116	69	3.45	0.680	0.707	4.75	0.185*	0.021*	-0.005 [-0.112 ;0.111]
ForFinistere	248	87	3.68	0.719	0.727	5.51	0.083*	0.009*	-0.034 [-0.107;0.033]
ForGard	30	56	2.90	0.740	0.645	3.40	0.251	0.028	-0.161 [-0.260 ;-0.079]
ForGironde	5	41	3.60	0.580	0.650	1.61	1.043	0.124	0.205 [-0.022;0.386]
ForHerault	16	49	3.20	0.719	0.666	2.77	0.286	0.032	-0.081 [-0.193 ;0.141]
ForVar	30	47	2.40	0.587	0.574	3.40	0.189	0.022	-0.07 [-0.228;0.190]
Total	1050	112	3.81	0.659	0.653	6.94	0.168*	0.019*	0.035