

Appendix 3 – Summary of genetic variation at 14 microsatellite loci in sampled populations. Na = No. of different alleles; Ne = No. of effective alleles. Ho = observed heterozygosity; He = expected heterozygosity; F = fixation index; HWE = Hardy-Weinberg equilibrium.

Pop	Locus	N	Na	Ne	Ho	He	F
Netherlands	Ans02	13	9.000	4.390	0.692	0.772	0.103
	Ans04	14	3.000	2.947	0.214	0.661	0.676
	Ans07	14	3.000	1.782	0.286	0.439	0.349
	Ans17	14	7.000	4.667	0.643	0.786	0.182
	Ans18	14	4.000	2.190	0.214	0.543	0.606
	Ans21	14	3.000	1.640	0.500	0.390	-0.281
	Ans24	14	3.000	1.338	0.286	0.253	-0.131
	Ans25	14	6.000	3.769	0.786	0.735	-0.069
	Aalu1b	14	4.000	2.190	0.429	0.543	0.211
	Aph12	14	2.000	1.600	0.214	0.375	0.429
	Aph19	14	2.000	1.774	0.500	0.436	-0.146
	Smo7	14	2.000	1.508	0.286	0.337	0.152
	Hhiu1b	14	3.000	1.156	0.929	0.135	-5.868
	Ans13	14	4.000	1.980	0.286	0.495	0.423
Nord	Ans02	16	8.000	3.606	0.750	0.723	-0.038
	Ans04	17	4.000	2.934	0.706	0.659	-0.071
	Ans07	17	3.000	2.181	0.294	0.542	0.457
	Ans17	17	8.000	5.026	0.706	0.801	0.119
	Ans18	16	3.000	1.724	0.125	0.420	0.702
	Ans21	17	3.000	1.847	0.235	0.458	0.487
	Ans24	17	1.000	1.000	0.000	0.000	-
	Ans25	17	7.000	4.983	0.882	0.799	-0.104
	Aalu1b	17	4.000	3.778	0.824	0.735	-0.120
	Aph12	15	3.000	2.103	0.533	0.524	-0.017
	Aph19	17	2.000	1.973	0.412	0.493	0.165
	Smo7	17	2.000	1.710	0.412	0.415	0.008
	Hhiu1b	17	4.000	1.889	0.529	0.471	-0.125
	Ans13	17	4.000	2.766	0.353	0.638	0.447
Oise	Ans02	14	9.000	6.759	0.857	0.852	-0.006
	Ans04	15	4.000	3.147	0.267	0.682	0.609
	Ans07	14	2.000	1.912	0.214	0.477	0.551
	Ans17	15	6.000	4.206	0.467	0.762	0.388
	Ans18	14	6.000	2.667	0.357	0.625	0.429
	Ans21	15	3.000	1.779	0.200	0.438	0.543
	Ans24	15	2.000	1.069	0.067	0.064	-0.034
	Ans25	15	6.000	3.947	0.600	0.747	0.196
	Aalu1b	14	4.000	2.947	0.643	0.661	0.027
	Aph12	14	3.000	2.074	0.286	0.518	0.448
	Aph19	15	2.000	1.867	0.333	0.464	0.282
	Smo7	15	2.000	1.642	0.533	0.391	-0.364
	Hhiu1b	15	2.000	1.069	0.067	0.064	-0.034
	Ans13	14	3.000	2.741	0.500	0.635	0.213

Finnmark	Ans02	9	6.000	3.857	0.778	0.741	-0.050
	Ans04	10	4.000	2.597	0.400	0.615	0.350
	Ans07	10	3.000	2.151	0.200	0.535	0.626
	Ans17	11	5.000	3.270	0.818	0.694	-0.179
	Ans18	8	2.000	1.280	0.250	0.219	-0.143
	Ans21	11	3.000	2.283	0.364	0.562	0.353
	Ans24	10	1.000	1.000	0.000	0.000	-
	Ans25	10	4.000	2.667	0.700	0.625	-0.120
	Aalu1b	11	4.000	1.330	0.182	0.248	0.267
	Aph12	11	3.000	1.582	0.455	0.368	-0.236
	Aph19	11	3.000	1.603	0.273	0.376	0.275
	Smo7	11	2.000	1.198	0.000	0.165	1.000
	Hhiu1b	11	2.000	1.198	0.182	0.165	-0.100
	Ans13	11	5.000	3.903	0.636	0.744	0.144
Vega	Ans02	31	11.000	3.979	0.774	0.749	-0.034
	Ans04	34	4.000	3.129	0.382	0.680	0.438
	Ans07	31	5.000	2.023	0.355	0.506	0.298
	Ans17	34	5.000	2.919	0.588	0.657	0.105
	Ans18	33	6.000	2.209	0.273	0.547	0.502
	Ans21	31	3.000	1.795	0.613	0.443	-0.384
	Ans24	30	3.000	1.224	0.067	0.183	0.635
	Ans25	34	8.000	5.639	0.882	0.823	-0.073
	Aalu1b	34	4.000	2.305	0.588	0.566	-0.039
	Aph12	34	3.000	2.070	0.412	0.517	0.203
	Aph19	34	2.000	1.895	0.588	0.472	-0.245
	Smo7	34	2.000	1.524	0.206	0.344	0.401
	Hhiu1b	34	3.000	1.433	0.353	0.302	-0.167
	Ans13	34	5.000	2.645	0.588	0.622	0.054
Charente-Maritime	Ans02	9	8.000	5.400	0.889	0.815	-0.091
	Ans04	9	4.000	2.746	0.111	0.636	0.825
	Ans07	9	3.000	1.588	0.000	0.370	1.000
	Ans17	9	5.000	3.057	0.444	0.673	0.339
	Ans18	9	3.000	2.793	0.222	0.642	0.654
	Ans21	9	3.000	1.976	0.667	0.494	-0.350
	Ans24	9	2.000	1.385	0.333	0.278	-0.200
	Ans25	8	6.000	4.923	0.875	0.797	-0.098
	Aalu1b	9	4.000	2.282	0.556	0.562	0.011
	Aph12	9	2.000	1.800	0.778	0.444	-0.750
	Aph19	9	2.000	1.800	0.222	0.444	0.500
	Smo7	9	2.000	1.385	0.889	0.278	-2.200
	Hhiu1b	9	3.000	1.256	0.222	0.204	-0.091
	Ans13	9	3.000	2.160	0.556	0.537	-0.034
Gironde	Ans02	23	9.000	5.186	0.826	0.807	-0.023
	Ans04	24	4.000	3.892	0.333	0.743	0.551
	Ans07	24	4.000	1.466	0.208	0.318	0.344
	Ans17	24	7.000	3.959	0.542	0.747	0.275
	Ans18	23	5.000	1.853	0.217	0.460	0.528
	Ans21	23	3.000	1.772	0.348	0.436	0.202
	Ans24	23	1.000	1.000	0.000	0.000	-

	Ans25	24	8.000	4.645	0.750	0.785	0.044		
	Aalu1b	24	5.000	2.743	0.667	0.635	-0.049		
	Aph12	24	2.000	1.946	0.667	0.486	-0.371		
	Aph19	23	2.000	1.830	0.435	0.454	0.042		
	Smo7	24	2.000	1.180	0.583	0.153	-2.818		
	Hhiu1b	24	4.000	1.550	0.333	0.355	0.061		
	Ans13	23	4.000	3.032	0.565	0.670	0.157		
Landes	Ans02	45	11.000	4.500	0.756	0.778	0.029		
	Ans04	44	4.000	3.741	0.477	0.733	0.349		
	Ans07	44	3.000	1.955	0.227	0.488	0.535		
	Ans17	45	7.000	4.787	0.689	0.791	0.129		
	Ans18	45	6.000	1.777	0.333	0.437	0.238		
	Ans21	45	3.000	1.874	0.467	0.466	-0.001		
	Ans24	45	3.000	1.280	0.222	0.219	-0.015		
	Ans25	45	8.000	4.350	0.800	0.770	-0.039		
	Aalu1b	45	5.000	3.061	0.489	0.673	0.274		
	Aph12	45	2.000	1.776	0.378	0.437	0.135		
	Aph19	44	3.000	1.890	0.477	0.471	-0.014		
	Smo7	45	2.000	1.557	0.556	0.358	-0.553		
	Hhiu1b	45	4.000	1.529	0.356	0.346	-0.028		
	Ans13	45	4.000	2.675	0.556	0.626	0.113		

		N	Na	Ne	Ho	He	F	HWE	
								P-value	(se)
Mean for each locus (all populations confounded)	Ans02	20.000	8.875	4.710	0.790	0.780	-0,014	0.3783	(0.0209)
	Ans04	20.875	3.875	3.142	0.361	0.676	0,466	0.0000	(0.0000)
	Ans07	20.375	3.250	1.882	0.223	0.459	0,520	0.0000	(0.0000)
	Ans17	21.125	6.250	3.986	0.612	0.739	0,170	0.0000	(0.0000)
	Ans18	20.250	4.375	2.062	0.249	0.487	0,439	0.0000	(0.0000)
	Ans21	20.625	3.000	1.871	0.424	0.461	0,071	0.1042	(0.003)
	Ans24	20.375	2.000	1.162	0.122	0.125	0,051	0.0558	(0.0022)
	Ans25	20.875	6.625	4.365	0.784	0.760	-0,033	0.3506	(0.0153)
	Aalu1b	21.000	4.250	2.579	0.547	0.578	0,073	0.0218	(0.0022)
	Aph12	20.750	2.500	1.869	0.465	0.459	-0,020	0.0406	(0.0015)
	Aph19	20.875	2.250	1.829	0.405	0.451	0,107	0.1316	(0.0038)
	Smo7	21.125	2.000	1.463	0.433	0.305	-0,547	0.0003	(0.0001)
	Hhiu1b	21.125	3.125	1.385	0.371	0.255	-0,794	0.0707	(0.0034)
	Ans13	20.875	4.000	2.738	0.505	0.621	0,190	0.0004	(0.0002)