

Supplementary Table S2. Analysis of disequilibrium of pairwise loci across all populations

Locus pair	Chi2	df	P-value
Loci-ALGA44 & Loci-ALGA32	8.5041	24	0.9985
Loci-ALGA44 & Loci-ALGA31	17.4453	24	0.8291
Loci-ALGA32 & Loci-ALGA31	32.4170	24	0.1170
Loci-ALGA44 & Loci-ALGA20	15.4340	24	0.9074
Loci-ALGA32 & Loci-ALGA20	21.8617	24	0.5875
Loci-ALGA31 & Loci-ALGA20	20.0654	24	0.6931
Loci-ALGA44 & Loci-ALGA48	17.5742	24	0.8232
Loci-ALGA32 & Loci-ALGA48	10.6075	24	0.9915
Loci-ALGA31 & Loci-ALGA48	17.0356	24	0.8471
Loci-ALGA20 & Loci-ALGA48	38.6087	24	0.0300
Loci-ALGA44 & Loci-ALGA15	6.6071	24	0.9998
Loci-ALGA32 & Loci-ALGA15	23.2441	24	0.5054
Loci-ALGA31 & Loci-ALGA15	13.6759	24	0.9536
Loci-ALGA20 & Loci-ALGA15	Infinity	24	Highly sign.
Loci-ALGA48 & Loci-ALGA15	8.5954	24	0.9983
Loci-ALGA44 & Loci-L001-est	24.1556	24	0.4527
Loci-ALGA32 & Loci-L001-est	16.8932	24	0.8532
Loci-ALGA31 & Loci-L001-est	12.3693	24	0.9754
Loci-ALGA20 & Loci-L001-est	15.1043	24	0.9177
Loci-ALGA48 & Loci-L001-est	14.3721	24	0.9378
Loci-ALGA15 & Loci-L001-est	13.2844	24	0.9612
Loci-ALGA44 & Loci-ALAC08	21.6364	24	0.6010
Loci-ALGA32 & Loci-ALAC08	14.8728	24	0.9244
Loci-ALGA31 & Loci-ALAC08	37.8652	24	0.0358
Loci-ALGA20 & Loci-ALAC08	21.3611	24	0.6173
Loci-ALGA48 & Loci-ALAC08	17.9917	24	0.8034
Loci-ALGA15 & Loci-ALAC08	9.4690	24	0.9964
Loci-L001-est & Loci-ALAC08	19.5046	24	0.7246
Loci-ALGA44 & Loci-ALAC09	27.0478	24	0.3022
Loci-ALGA32 & Loci-ALAC09	11.0259	24	0.9888
Loci-ALGA31 & Loci-ALAC09	26.7457	24	0.3164
Loci-ALGA20 & Loci-ALAC09	7.4000	24	0.9995
Loci-ALGA48 & Loci-ALAC09	15.8017	24	0.8951
Loci-ALGA15 & Loci-ALAC09	13.5450	24	0.9563
Loci-L001-est & Loci-ALAC09	28.3226	24	0.2467
Loci-ALAC08 & Loci-ALAC09	22.3991	24	0.5555
Loci-ALGA44 & Loci-ALAC07	28.4986	24	0.2396
Loci-ALGA32 & Loci-ALAC07	30.2567	24	0.1764
Loci-ALGA31 & Loci-ALAC07	20.5125	24	0.6673
Loci-ALGA20 & Loci-ALAC07	15.9380	24	0.8903
Loci-ALGA48 & Loci-ALAC07	12.2115	24	0.9774
Loci-ALGA15 & Loci-ALAC07	28.3669	24	0.2449
Loci-L001-est & Loci-ALAC07	37.5971	24	0.0381
Loci-ALAC08 & Loci-ALAC07	28.3836	24	0.2442
Loci-ALAC09 & Loci-ALAC07	16.7202	24	0.8603
Loci-ALGA44 & Loci-L007	13.1700	24	0.9632
Loci-ALGA32 & Loci-L007	22.1386	24	0.5710
Loci-ALGA31 & Loci-L007	14.4012	24	0.9371
Loci-ALGA20 & Loci-L007	21.5863	24	0.6039
Loci-ALGA48 & Loci-L007	17.9327	24	0.8063

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Supplementary Table S2. Continued

Locus pair	Chi2	df	P-value
Loci-ALGA15 & Loci-L007	21.6289	24	0.6014
Loci-L001-est & Loci-L007	30.8648	24	0.1577
Loci-ALAC08 & Loci-L007	18.1151	24	0.7974
Loci-ALAC09 & Loci-L007	28.2192	24	0.2509
Loci-ALAC07 & Loci-L007	27.6889	24	0.2734
Loci-ALGA44 & Loci-L008	9.9716	24	0.9947
Loci-ALGA32 & Loci-L008	3.7162	24	1.0000
Loci-ALGA31 & Loci-L008	28.2567	24	0.2494
Loci-ALGA20 & Loci-L008	32.0852	24	0.1249
Loci-ALGA48 & Loci-L008	20.3630	24	0.6760
Loci-ALGA15 & Loci-L008	13.9275	24	0.9483
Loci-L001-est & Loci-L008	19.8521	24	0.7164
Loci-ALAC08 & Loci-L008	22.2623	24	0.5636
Loci-ALAC09 & Loci-L008	8.0675	24	0.9990
Loci-ALAC07 & Loci-L008	23.5493	24	0.4876
Loci-L007 & Loci-L008	29.6724	24	0.1958
Loci-ALGA44 & Loci-ALTN02	23.1204	24	0.5127
Loci-ALGA32 & Loci-ALTN02	15.9042	24	0.8915
Loci-ALGA31 & Loci-ALTN02	26.7059	24	0.3183
Loci-ALGA20 & Loci-ALTN02	18.9105	24	0.7567
Loci-ALGA48 & Loci-ALTN02	23.7495	24	0.4760
Loci-ALGA15 & Loci-ALTN02	18.2233	24	0.7920
Loci-L001-est & Loci-ALTN02	37.8181	24	0.0362
Loci-ALAC08 & Loci-ALTN02	22.9674	24	0.5217
Loci-ALAC09 & Loci-ALTN02	28.9376	24	0.2225
Loci-ALAC07 & Loci-ALTN02	22.6168	24	0.5425
Loci-L007 & Loci-ALTN02	32.6113	24	0.1125
Loci-L008 & Loci-ALTN02	54.2653	24	0.0004
Loci-ALGA44 & Loci-ALAC32	4.4543	24	1.0000
Loci-ALGA32 & Loci-ALAC32	Infinity	24	Highly sign.
Loci-ALGA31 & Loci-ALAC32	18.6912	24	0.7683
Loci-ALGA20 & Loci-ALAC32	22.2961	24	0.5616
Loci-ALGA48 & Loci-ALAC32	2.9702	24	1.0000
Loci-ALGA15 & Loci-ALAC32	15.7122	24	0.8982
Loci-L001-est & Loci-ALAC32	15.3986	24	0.9086
Loci-ALAC08 & Loci-ALAC32	7.9486	24	0.9991
Loci-ALAC09 & Loci-ALAC32	12.2437	24	0.9770
Loci-ALAC07 & Loci-ALAC32	17.8333	24	0.8110
Loci-L007 & Loci-ALAC32	27.1513	24	0.2975
Loci-L008 & Loci-ALAC32	19.2166	24	0.7403
Loci-ALTN02 & Loci-ALAC32	16.9535	24	0.8506
Loci-ALGA44 & Loci-L017-est	19.6068	24	0.7189
Loci-ALGA32 & Loci-L017-est	21.4184	24	0.6139
Loci-ALGA31 & Loci-L017-est	36.1007	24	0.0537
Loci-ALGA20 & Loci-L017-est	9.8421	24	0.9952
Loci-ALGA48 & Loci-L017-est	16.8971	24	0.8530
Loci-ALGA15 & Loci-L017-est	16.9634	24	0.8502
Loci-L001-est & Loci-L017-est	24.6890	24	0.4228
Loci-ALAC08 & Loci-L017-est	13.5092	24	0.9570
Loci-ALAC09 & Loci-L017-est	9.0927	24	0.9974
Loci-ALAC07 & Loci-L017-est	20.5073	24	0.6676

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Supplementary Table S2. Continued

Locus pair	Chi2	df	P-value
Loci-L007 & Loci-L017-est	28.3265	24	0.2465
Loci-L008 & Loci-L017-est	23.2879	24	0.5029
Loci-ALTN02 & Loci-L017-est	20.0166	24	0.6958
Loci-ALAC32 & Loci-L017-est	17.9394	24	0.8059
Loci-ALGA44 & Loci-L010	16.4681	24	0.8704
Loci-ALGA32 & Loci-L010	37.6349	24	0.0378
Loci-ALGA31 & Loci-L010	26.9364	24	0.3074
Loci-ALGA20 & Loci-L010	28.3507	24	0.2455
Loci-ALGA48 & Loci-L010	10.6590	24	0.9912
Loci-ALGA15 & Loci-L010	21.1388	24	0.6305
Loci-L001-est & Loci-L010	15.3285	24	0.9108
Loci-ALAC08 & Loci-L010	34.0256	24	0.0842
Loci-ALAC09 & Loci-L010	21.3587	24	0.6175
Loci-ALAC07 & Loci-L010	29.0234	24	0.2193
Loci-L007 & Loci-L010	18.4968	24	0.7783
Loci-L008 & Loci-L010	13.0566	24	0.9652
Loci-ALTN02 & Loci-L010	20.6774	24	0.6577
Loci-ALAC32 & Loci-L010	Infinity	24	Highly sign.
Loci-L017-est & Loci-L010	18.9125	24	0.7566
Loci-ALGA44 & Loci-ALAC01	24.9654	24	0.4076
Loci-ALGA32 & Loci-ALAC01	Infinity	24	Highly sign.
Loci-ALGA31 & Loci-ALAC01	20.9465	24	0.6419
Loci-ALGA20 & Loci-ALAC01	25.5918	24	0.3742
Loci-ALGA48 & Loci-ALAC01	12.2147	24	0.9774
Loci-ALGA15 & Loci-ALAC01	Infinity	24	Highly sign.
Loci-L001-est & Loci-ALAC01	11.5777	24	0.9843
Loci-ALAC08 & Loci-ALAC01	20.7899	24	0.6511
Loci-ALAC09 & Loci-ALAC01	13.8861	24	0.9492
Loci-ALAC07 & Loci-ALAC01	24.1816	24	0.4513
Loci-L007 & Loci-ALAC01	10.6138	24	0.9915
Loci-L008 & Loci-ALAC01	11.8527	24	0.9815
Loci-ALTN02 & Loci-ALAC01	24.9774	24	0.4070
Loci-ALAC32 & Loci-ALAC01	25.8442	24	0.3611
Loci-L017-est & Loci-ALAC01	20.0661	24	0.6930
Loci-L010 & Loci-ALAC01	Infinity	24	Highly sign.
Loci-ALGA44 & Loci-ALGA47	9.9470	20	0.9691
Loci-ALGA32 & Loci-ALGA47	6.6504	20	0.9977
Loci-ALGA31 & Loci-ALGA47	18.0108	20	0.5867
Loci-ALGA20 & Loci-ALGA47	9.9094	20	0.9698
Loci-ALGA48 & Loci-ALGA47	9.9166	20	0.9697
Loci-ALGA15 & Loci-ALGA47	3.0464	20	1.0000
Loci-L001-est & Loci-ALGA47	13.6566	20	0.8475
Loci-ALAC08 & Loci-ALGA47	17.8753	20	0.5956
Loci-ALAC09 & Loci-ALGA47	9.2253	20	0.9801
Loci-ALAC07 & Loci-ALGA47	9.7258	20	0.9729
Loci-L007 & Loci-ALGA47	16.8049	20	0.6656
Loci-L008 & Loci-ALGA47	2.7796	20	1.0000
Loci-ALTN02 & Loci-ALGA47	8.1918	20	0.9905
Loci-ALAC32 & Loci-ALGA47	3.9804	20	1.0000
Loci-L017-est & Loci-ALGA47	5.2393	20	0.9996
Loci-L010 & Loci-ALGA47	10.8331	20	0.9504
Loci-ALAC01 & Loci-ALGA47	28.7703	20	0.0924

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Supplementary Table S2. Continued

Locus pair	Chi2	df	P-value
Loci-ALGA44 & Loci-ALTN01	0.2910	24	1.0000
Loci-ALGA32 & Loci-ALTN01	7.2364	24	0.9996
Loci-ALGA31 & Loci-ALTN01	14.3650	24	0.9380
Loci-ALGA20 & Loci-ALTN01	7.1605	24	0.9996
Loci-ALGA48 & Loci-ALTN01	5.5361	24	1.0000
Loci-ALGA15 & Loci-ALTN01	6.8773	24	0.9998
Loci-L001-est & Loci-ALTN01	8.9051	24	0.9978
Loci-ALAC08 & Loci-ALTN01	0.0000	24	1.0000
Loci-ALAC09 & Loci-ALTN01	12.9868	24	0.9663
Loci-ALAC07 & Loci-ALTN01	17.2990	24	0.8356
Loci-L007 & Loci-ALTN01	10.7575	24	0.9906
Loci-L008 & Loci-ALTN01	5.7782	24	1.0000
Loci-ALTN02 & Loci-ALTN01	12.5295	24	0.9733
Loci-ALAC32 & Loci-ALTN01	16.1392	24	0.8830
Loci-L017-est & Loci-ALTN01	13.6322	24	0.9545
Loci-L010 & Loci-ALTN01	6.6142	24	0.9998
Loci-ALAC01 & Loci-ALTN01	4.4814	24	1.0000
Loci-ALGA47 & Loci-ALTN01	18.3393	20	0.5651
Loci-ALGA44 & Loci-ALTN04	22.6123	24	0.5428
Loci-ALGA32 & Loci-ALTN04	3.1532	24	1.0000
Loci-ALGA31 & Loci-ALTN04	16.8710	24	0.8541
Loci-ALGA20 & Loci-ALTN04	22.5058	24	0.5491
Loci-ALGA48 & Loci-ALTN04	21.0223	24	0.6374
Loci-ALGA15 & Loci-ALTN04	4.1450	24	1.0000
Loci-L001-est & Loci-ALTN04	17.5523	24	0.8242
Loci-ALAC08 & Loci-ALTN04	15.5787	24	0.9027
Loci-ALAC09 & Loci-ALTN04	3.2069	24	1.0000
Loci-ALAC07 & Loci-ALTN04	5.6282	24	1.0000
Loci-L007 & Loci-ALTN04	19.7936	24	0.7085
Loci-L008 & Loci-ALTN04	8.0347	24	0.9991
Loci-ALTN02 & Loci-ALTN04	13.4982	24	0.9572
Loci-ALAC32 & Loci-ALTN04	12.1620	24	0.9780
Loci-L017-est & Loci-ALTN04	14.3658	24	0.9380
Loci-L010 & Loci-ALTN04	6.4726	24	0.9999
Loci-ALAC01 & Loci-ALTN04	8.4718	22	0.9957
Loci-ALGA47 & Loci-ALTN04	3.5992	20	1.0000
Loci-ALTN01 & Loci-ALTN04	10.1631	24	0.9938