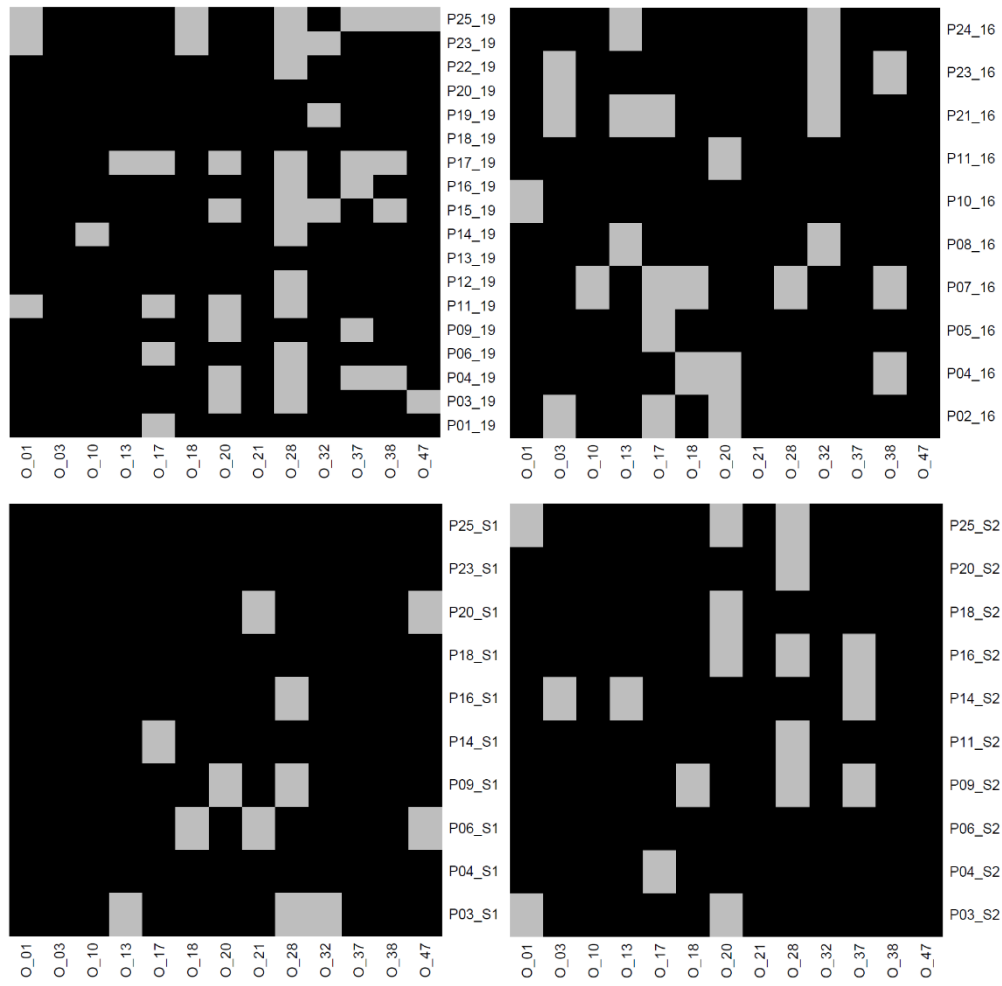


S1

Locus name	Primer sequences (5'–3')	Repeat motif	Tm (°C)	Dye	Accession no.
O_01	F: AGTCGCAAGTTAAAGGGAAGC R: GGAGCATACTCTTGGGAGAGG	(AGC) ₆	54	NED	KJ946205
O_03	F: AATGTCATTCATCCCACCAC R: TGGGTTCCATGCAAAATTATC	(TTG) ₇	50	VIC	KJ946207
O_10	F: ACATCGATCTGGGCTGGTAA R: ATTTAATTCAAGGCGTTGCG	(CA) ₁₁	50	6-FAM	KJ946208
O_13	F: ACACAAGATTTATAATCTGGCAAA R: GCAATGACATAGTCCAAGCTG	(AC) ₁₁	53	NED	KJ946209
O_17	F: ATCTCAGTGTTATGTGCTGTGTAGA R: TCACCGGGCGTTGAATAATA	(TC) ₁₂	52	VIC	KJ946210
O_18	F: TACACGAAAAGCGACGGTGAT R: CATCAGGGTCCGATATGACA	(AG) ₁₂	52	VIC	KJ946211
O_20	F: TTACCGTATTGTTAATTTTACCGGAG R: TTGCTCGAATTCCAACATAAA	(TC) ₁₂	52	NED	KJ946212
O_21	F: CACCCAACAAGAAACAGTACTATAAA R: TCAAAGCATTCTTGGCCTTC	(AC) ₁₂	52	PET	KJ946213
O_28	F: GCACTGTCCCGGTAAGTCTG R: AAGTTTGA CTGATAAGGTTTCCA	(GT) ₁₃	59	6-FAM	KJ946215
O_32	F: AGAAAACGGGGACGAAGAAG R: CACCAAGAAGCGACTCCACT	(TG) ₁₃	59	6-FAM	KJ946216
O_37	F: TCGATAGCCACAAGAGCAAA R: TTACAATCATGGCTTCGTGA	(GA) ₁₅	53	PET	KJ946218
O_38	F: CAATCCAACACTCTCATTTTCC R: TCCTAAGCAAAGTCATCAATGC	(AC) ₁₅	52	NED	KJ946219
O_47	F: CCATCGATAGCATCCAGGTA R: AATAGTAATTAGGAATCTCACGCAC	(TG) ₁₈	53	PET	KJ946220

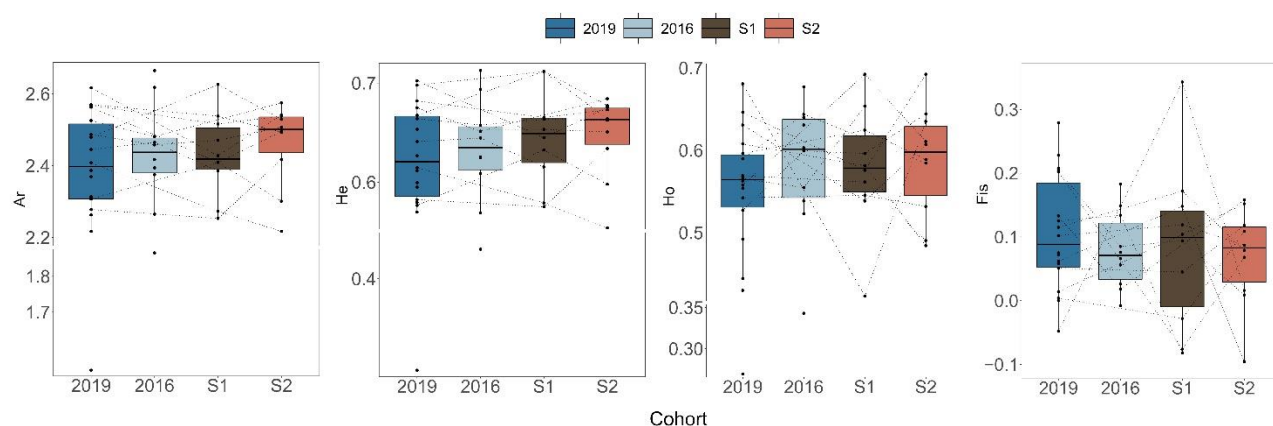
S2



S3

Population ID	Location ID	Cohort	Ar	Ho	He	Fis	r_d	$p_{-} r_d$	$p_{-} r_{d,adj}$
P01_19	P01	2019	2.263	0.444	0.580	0.208	0.038	0.061	1.000
P03_19	P03	2019	2.617	0.631	0.702	0.115	-0.021	0.994	1.000
P04_19	P04	2019	2.487	0.527	0.664	0.205	0.022	0.031	0.526
P06_19	P06	2019	2.568	0.646	0.682	0.062	0.006	0.293	1.000
P09_19	P09	2019	2.479	0.596	0.667	0.102	0.004	0.341	1.000
P11_19	P11	2019	2.526	0.589	0.675	0.133	0.026	0.049	0.832
P12_19	P12	2019	2.314	0.568	0.595	0.072	-0.001	0.452	1.000
P13_19	P13	2019	1.538	0.269	0.308	0.000	-	-	-
P14_19	P14	2019	2.408	0.608	0.615	0.004	0.003	0.355	1.000
P15_19	P15	2019	2.369	0.492	0.627	0.228	0.004	0.307	1.000
P16_19	P16	2019	2.278	0.542	0.582	0.051	-0.017	0.956	1.000
P17_19	P17	2019	2.217	0.430	0.570	0.279	0.058	0.001	0.017
P18_19	P18	2019	2.307	0.569	0.577	0.014	-0.008	0.716	1.000
P19_19	P19	2019	2.387	0.563	0.612	0.058	-0.004	0.573	1.000
P20_19	P20	2019	2.563	0.681	0.653	-0.048	0.035	0.005	0.085
P25_19	P25	2019	2.570	0.558	0.698	0.202	0.014	0.083	1.000
P22_19	P22	2019	2.309	0.554	0.599	0.075	-0.005	0.622	1.000
P23_19	P23	2019	2.445	0.566	0.641	0.125	0.033	0.013	0.221
P02_16	P02	2016	2.375	0.603	0.608	0.026	0.012	0.104	1.000
P04_16	P04	2016	2.458	0.599	0.658	0.085	0.029	0.003	0.030
P05_16	P05	2016	2.394	0.631	0.625	-0.008	-0.026	0.993	1.000
P07_16	P07	2016	2.265	0.523	0.569	0.066	0.002	0.394	1.000
P08_16	P08	2016	2.618	0.640	0.694	0.076	0.035	0.002	0.020
P10_16	P10	2016	2.665	0.677	0.713	0.056	0.024	0.008	0.080
P11_16	P11	2016	2.481	0.644	0.651	0.018	0.010	0.149	1.000
P21_16	P21	2016	1.865	0.343	0.430	0.183	0.039	0.003	0.030
P23_16	P23	2016	2.465	0.555	0.645	0.134	0.043	0.001	0.010
P24_16	P24	2016	2.417	0.538	0.625	0.149	-0.019	0.921	1.000
P03_S1	P03	S1	2.428	0.538	0.645	0.172	0.025	0.204	1.000
P04_S1	P04	S1	2.471	0.596	0.663	0.094	-0.048	0.773	1.000
P06_S1	P06	S1	2.516	0.576	0.665	0.148	-0.009	0.787	1.000
P09_S1	P09	S1	2.626	0.625	0.712	0.119	-0.037	0.985	1.000
P11_S1	P11	S1					-	-	
P14_S1	P14	S1	2.273	0.581	0.579	-0.028	0.041	0.062	0.500
P16_S1	P16	S1	2.253	0.545	0.575	0.045	-0.002	0.547	1.000
P18_S1	P18	S1	2.409	0.562	0.632	0.104	-0.013	0.715	1.000
P20_S1	P20	S1	2.409	0.423	0.653	0.343	-0.053	0.946	1.000
P23_S1	P23	S1	2.385	0.654	0.615	-0.082	-	-	-
P25_S1	P25	S1	2.538	0.692	0.711	-0.076	-	-	-
P03_S2	P03	S2	2.541	0.607	0.675	0.079	-0.003	0.562	1.000
P04_S2	P04	S2	2.507	0.644	0.662	0.009	-0.011	0.697	1.000
P06_S2	P06	S2	2.538	0.692	0.673	-0.096	-	-	-
P09_S2	P09	S2	2.529	0.589	0.677	0.087	0.060	0.005	0.045
P11_S2	P11	S2	2.575	0.585	0.684	0.158	0.009	0.237	1.000
P14_S2	P14	S2	2.217	0.484	0.554	0.109	0.038	0.036	0.324
P16_S2	P16	S2	2.417	0.532	0.634	0.118	-0.008	0.716	1.000
P18_S2	P18	S2	2.301	0.490	0.598	0.152	-0.044	0.990	1.000
P20_S2	P20	S2	2.495	0.635	0.651	0.016	0.009	0.721	1.000
P25_S2	P25	S2	2.493	0.611	0.664	0.068	0.024	0.175	1.000

S4



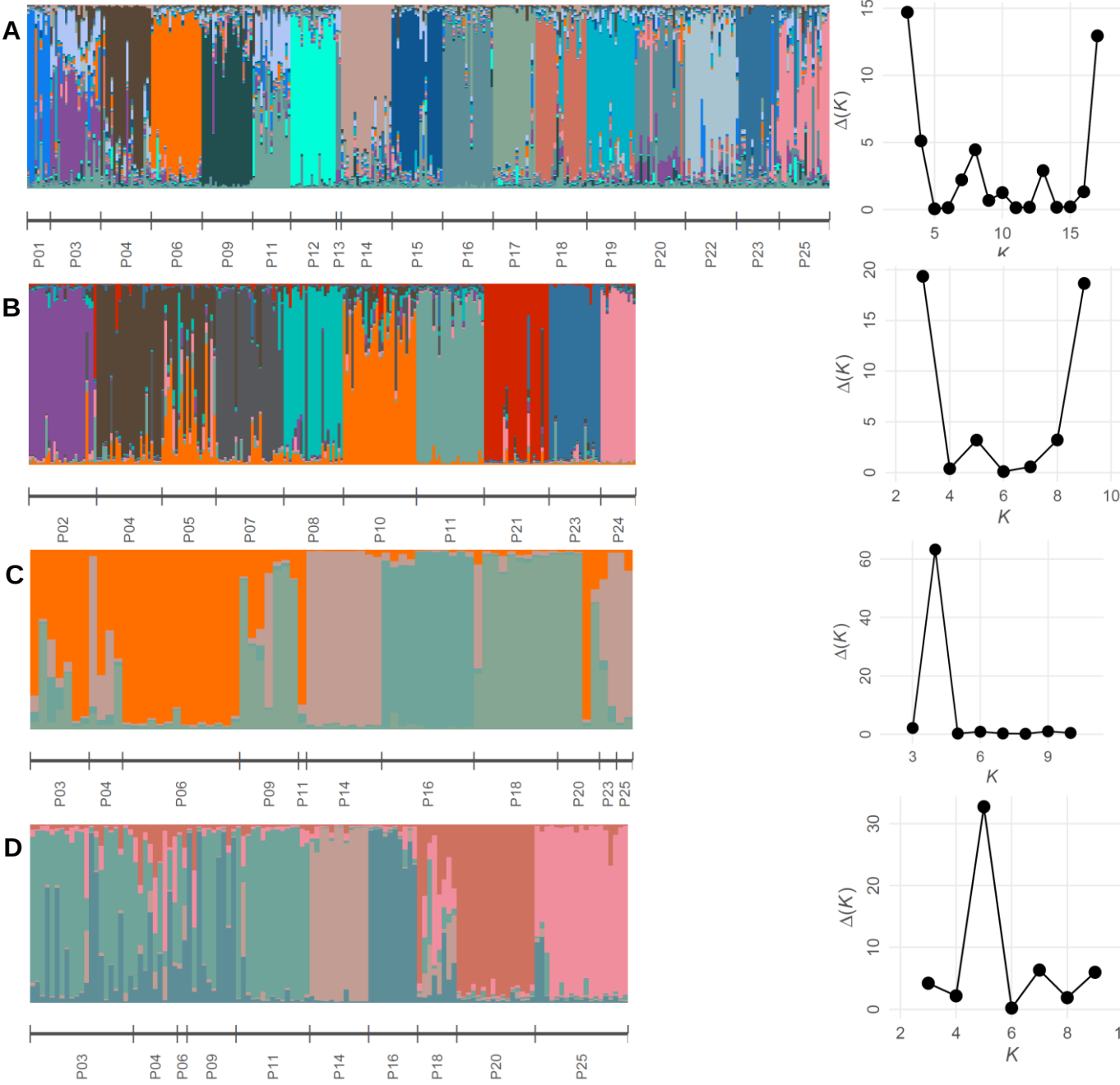
S5

Wilcoxon paired								
	group1	group2	n1	n2	statistic	p	p.adj	p.adj.signif
He								
value	Cohort 2019	Cohort S1	9	9	26	0.734	1	ns
value	Cohort 2019	Cohort S2	9	9	28	0.57	1	ns
value	Cohort S1	Cohort S2	9	9	28	0.57	1	ns
Ho								
value	Cohort 2019	Cohort S1	9	9	27	0.652	1	ns
value	Cohort 2019	Cohort S2	9	9	26	0.734	1	ns
value	Cohort S1	Cohort S2	9	9	21	0.91	1	ns
Ar								
value	Cohort 2019	Cohort S1	9	9	33	0.25	0.75	ns
value	Cohort 2019	Cohort S2	9	9	31	0.359	1	ns
value	Cohort S1	Cohort S2	9	9	20	0.82	1	ns
Fis								
value	Cohort 2019	Cohort S1	9	9	19	0.734	1	ns
value	Cohort 2019	Cohort S2	9	9	26	0.734	1	ns
value	Cohort S1	Cohort S2	9	9	21	0.652	1	ns

S6

<i>Location</i>	<i>temp_population</i>	<i>Gst_Hedrick</i>	<i>CI_lower</i>	<i>CI_upper</i>
P03	2019 vs S1	0.0263	-0.0657	0.1582
	2019 vs S2	0.0168	-0.0368	0.0869
	S1 vs S2	0.0367	-0.0456	0.1611
P04	2019 vs 2016	0.0306	-0.0174	0.0938
	2019 vs S1	0.0622	-0.0680	0.2406
	2019 vs S2	0.0658	-0.0159	0.1667
	2016 vs S1	0.0819	-0.0396	0.2378
	2016 vs S2	0.0939	0.0119	0.2013
	S1 vs S2	-0.0013	-0.1492	0.2061
P06	2019 vs S1	-0.0151	-0.0625	0.0498
P09	2019 vs S1	-0.0058	-0.1039	0.1607
	2019 vs S2	0.0867	-0.0098	0.2172
	S1 vs S2	0.0675	-0.0559	0.2398
P11	2019 vs 2016	0.0092	-0.0451	0.0828
	2019 vs S2	-0.0352	-0.0930	0.0476
	2016 vs S2	0.0613	0.0034	0.1341
P14	2019 vs S1	0.0719	0.0002	0.1707
	2019 vs S2	0.0763	0.0096	0.1616
	S1 vs S2	0.0185	-0.0511	0.1211
P16	2019 vs S1	0.0125	-0.0400	0.0921
	2019 vs S2	0.0294	-0.0396	0.1220
	S1 vs S2	0.0026	-0.0693	0.1100
P18	2019 vs S1	0.0529	-0.0071	0.1332
	2019 vs S2	0.0096	-0.0701	0.1269
	S1 vs S2	0.0287	-0.0600	0.1505
P20	2019 vs S1	0.0353	-0.0831	0.2184
	2019 vs S2	0.0111	-0.0368	0.0786
	S1 vs S2	0.0018	-0.1193	0.1849
P23	2019 vs 2016	0.0102	-0.0446	0.0827
P25	2019 vs S2	0.0655	0.0007	0.1436

S7



S8

