

Kin aggregations occur in eastern oyster reefs *Crassostrea virginica* despite limited regional genetic differentiation

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Table S1. Sample size (n), mean number of alleles (A), mean allelic richness (A_R) rarefied to 14 individuals, inbreeding coefficient (F_{IS}), expected heterozygosity (H_E), and observed heterozygosity (H_O) for loci in all sampled populations. Significant F_{IS} values are shaded in grey.

Locus	GenBank Access No.	MM P1	MM P2	MM F1	MM F2	HC P1	HC P2	HC F1	HC F2	MS P1	MS P2	MS F1	MS F2	LF P1	LF P2	LF F1	LF F2	All	
Cvi6	AF276247	n	48	47	47	29	49	60	68	62	63	66	55	67	63	62	68	63	57.31
		A	18	16	16	11	16	20	18	19	20	20	19	20	17	20	20	22	18.25
		A_R	10.27	10.38	9.92	9.34	10.20	11.27	10.86	11.66	10.92	11.12	9.76	10.80	9.39	12.01	10.81	11.18	10.88
		F_{IS}	0.244	0.335	0.375	0.248	0.365	0.199	0.300	0.405	0.319	0.410	0.282	0.274	0.262	0.302	0.323	0.311	0.310
		H_E	0.854	0.828	0.847	0.867	0.833	0.851	0.881	0.892	0.860	0.842	0.833	0.844	0.840	0.899	0.845	0.852	0.854
		H_O	0.646	0.553	0.532	0.655	0.531	0.683	0.618	0.532	0.587	0.500	0.600	0.612	0.619	0.629	0.574	0.587	0.591
Cvi1g8	AY644654	n	35	31	26	22	40	57	61	60	56	60	50	68	56	57	57	50	49.13
		A	22	19	23	19	22	27	26	27	26	27	26	25	28	34	29	32	25.75
		A_R	15.30	14.36	15.96	14.78	15.87	16.12	15.25	15.60	15.94	16.11	16.19	15.85	16.35	17.91	16.67	18.23	16.50
		F_{IS}	0.337	0.182	0.399	0.090	0.242	0.375	0.447	0.245	0.214	0.320	0.309	0.274	0.271	0.107	0.193	0.151	0.260
		H_E	0.945	0.946	0.954	0.949	0.954	0.952	0.945	0.948	0.954	0.954	0.954	0.950	0.954	0.960	0.955	0.963	0.952
		H_O	0.629	0.774	0.577	0.864	0.725	0.596	0.525	0.717	0.750	0.650	0.660	0.691	0.696	0.860	0.772	0.820	0.707
RUCV374	EH648582	n	49	41	44	29	39	60	63	62	61	64	55	66	50	47	65	49	52.75
		A	10	13	11	11	7	9	10	9	10	10	10	7	12	14	10	10	10.19
		A_R	7.05	7.81	6.99	8.20	5.51	5.57	5.95	6.13	6.50	5.78	6.94	5.44	7.18	7.76	5.91	6.43	6.59
		F_{IS}	0.147	0.081	0.073	0.094	0.392	-0.051	0.143	0.124	0.199	0.136	0.158	0.208	0.131	-0.140	0.235	0.122	0.128
		H_E	0.693	0.723	0.714	0.722	0.667	0.651	0.552	0.662	0.695	0.650	0.742	0.687	0.703	0.663	0.662	0.672	0.679
		H_O	0.592	0.659	0.659	0.655	0.410	0.683	0.476	0.581	0.557	0.563	0.618	0.545	0.620	0.809	0.508	0.612	0.597
RUCV424	EH644181	n	44	42	40	29	42	60	66	63	61	67	52	66	61	60	66	60	54.94
		A	32	28	31	20	33	37	37	31	36	37	35	34	36	36	40	33	33.50
		A_R	19.33	17.17	19.16	14.88	19.50	18.97	18.92	18.32	18.65	19.27	18.97	18.01	19.09	18.99	19.18	18.29	19.05

Locus	GenBank Access No.	MM P1	MM P2	MM F1	MM F2	HC P1	HC P2	HC F1	HC F2	MS P1	MS P2	MS F1	MS F2	LF P1	LF P2	LF F1	LF F2	All	
		F_{IS}	-0.007	0.055	-0.032	-0.064	0.069	-0.016	0.029	0.081	0.033	0.031	0.087	0.040	0.036	-0.015	0.061	0.069	0.029
		H_E	0.971	0.957	0.969	0.941	0.971	0.968	0.967	0.966	0.965	0.970	0.969	0.963	0.969	0.968	0.967	0.966	0.966
		H_O	0.977	0.905	1.000	1.000	0.905	0.983	0.939	0.889	0.934	0.940	0.885	0.924	0.934	0.983	0.909	0.900	0.938
Cvi13	AF276254	n	43	42	34	29	43	47	52	55	53	62	51	62	54	59	56	51	49.56
		A	20	21	19	18	16	17	19	18	22	21	19	23	23	24	20	19	19.94
		A_R	13.56	13.13	12.67	12.52	10.98	11.19	12.65	12.66	13.27	12.46	11.67	13.48	14.19	13.39	11.36	12.22	12.91
		F_{IS}	0.551	0.557	0.379	0.302	0.525	0.393	0.664	0.588	0.429	0.378	0.284	0.212	0.243	0.300	0.603	0.511	0.433
		H_E	0.931	0.909	0.903	0.888	0.880	0.910	0.913	0.922	0.922	0.907	0.903	0.919	0.926	0.924	0.904	0.918	0.911
		H_O	0.419	0.405	0.559	0.621	0.419	0.553	0.308	0.382	0.528	0.565	0.647	0.726	0.704	0.644	0.357	0.451	0.518
RUCV010	CD649381	n	37	38	38	25	42	49	53	58	49	51	48	58	54	56	63	52	48.19
		A	21	22	21	19	27	20	25	27	25	25	25	26	27	30	24	22	24.13
		A_R	13.87	15.80	15.14	14.60	16.64	14.78	16.19	16.11	15.65	15.79	15.40	15.55	15.13	16.87	14.69	15.02	16.66
		F_{IS}	0.483	0.478	0.447	0.181	0.553	0.614	0.626	0.603	0.551	0.652	0.520	0.439	0.371	0.349	0.629	0.493	0.499
		H_E	0.933	0.953	0.944	0.925	0.951	0.947	0.953	0.949	0.954	0.951	0.954	0.950	0.941	0.958	0.938	0.942	0.946
		H_O	0.486	0.500	0.526	0.760	0.429	0.367	0.358	0.379	0.429	0.333	0.458	0.534	0.593	0.625	0.349	0.481	0.476
RUCV025	CD646811	n	48	43	35	30	45	59	65	62	60	67	54	68	63	63	64	59	55.31
		A	9	9	5	8	7	11	7	9	10	9	9	7	12	12	9	11	9
		A_R	5.89	6.51	4.33	7.07	5.56	7.40	5.48	6.17	6.80	5.88	5.53	5.97	7.08	7.00	6.86	6.02	6.37
		F_{IS}	0.001	0.043	0.020	0.089	0.178	0.030	0.073	-0.058	-0.007	-0.053	-0.031	-0.030	-0.026	-0.010	0.187	0.069	0.030
		H_E	0.749	0.777	0.695	0.795	0.753	0.804	0.732	0.761	0.793	0.751	0.736	0.771	0.789	0.770	0.785	0.746	0.763
		H_O	0.750	0.744	0.686	0.733	0.622	0.780	0.677	0.806	0.800	0.791	0.759	0.794	0.810	0.778	0.641	0.695	0.742
RUCV045	CV132862	n	41	29	33	28	47	56	55	58	55	66	47	65	57	60	60	59	51.00
		A	28	19	25	21	25	31	29	27	27	31	24	28	30	32	29	28	27.13
		A_R	18.07	13.79	16.78	16.45	15.70	16.03	16.33	16.26	16.60	17.57	16.28	16.36	17.48	17.81	15.73	16.98	16.76
		F_{IS}	0.066	0.372	0.274	0.182	0.148	0.186	0.104	0.096	0.106	0.086	0.131	0.097	0.014	0.012	0.051	0.081	0.125
		H_E	0.964	0.926	0.954	0.956	0.947	0.942	0.953	0.952	0.955	0.961	0.954	0.953	0.960	0.961	0.949	0.959	0.953
		H_O	0.902	0.586	0.697	0.786	0.809	0.768	0.855	0.862	0.855	0.879	0.830	0.862	0.947	0.950	0.900	0.881	0.835
RUCV061	CV088315	n	47	42	41	31	44	58	63	63	60	65	50	67	59	62	65	61	54.88
		A	23	20	24	17	22	22	23	28	23	24	24	24	22	23	23	27	23.06
		A_R	15.30	14.12	15.39	13.57	15.07	14.56	14.10	15.70	14.21	15.20	15.77	14.55	14.28	15.02	14.76	15.54	15.02
		F_{IS}	0.166	0.060	0.124	0.177	0.234	0.139	0.222	0.179	0.128	0.091	0.118	0.080	0.136	0.063	0.152	0.137	0.138
		H_E	0.941	0.937	0.945	0.937	0.948	0.940	0.938	0.946	0.935	0.947	0.951	0.941	0.940	0.946	0.942	0.949	0.943
		H_O	0.787	0.881	0.829	0.774	0.727	0.810	0.730	0.778	0.817	0.862	0.840	0.866	0.814	0.887	0.800	0.820	0.814
RUCV063	CD649083	n	45	27	29	27	31	56	62	54	60	60	41	47	61	56	60	57	48.31
		A	28	24	24	23	23	32	29	30	29	27	28	26	25	30	31	27	27.44
		A_R	17.95	17.64	16.58	16.49	16.79	18.10	17.39	17.33	16.85	15.74	16.82	17.04	17.03	17.76	17.77	17.27	17.41
		F_{IS}	0.172	0.078	0.173	0.070	0.398	0.168	0.297	0.055	0.127	0.157	0.290	0.200	0.165	0.241	0.223	0.141	0.185
		H_E	0.965	0.961	0.958	0.959	0.959	0.964	0.961	0.960	0.954	0.947	0.961	0.957	0.960	0.962	0.963	0.960	0.959
		H_O	0.800	0.889	0.793	0.889	0.581	0.804	0.677	0.907	0.833	0.800	0.683	0.766	0.803	0.732	0.750	0.825	0.783
RUCV114	CV089450	n	46	44	46	23	47	58	65	59	57	67	55	62	56	56	64	60	54.06
		A	7	9	6	4	5	6	8	8	7	7	7	10	6	6	7	7	6.88

Locus	GenBank Access No.		MM P1	MM P2	MM F1	MM F2	HC P1	HC P2	HC F1	HC F2	MS P1	MS P2	MS F1	MS F2	LF P1	LF P2	LF F1	LF F2	All
		A_R	5.12	6.02	4.97	4.00	4.26	4.77	5.00	5.20	5.19	4.61	4.89	6.43	4.49	4.68	5.48	5.43	5.14
		F_{IS}	0.290	0.419	0.470	0.310	0.284	0.488	0.354	0.313	0.265	0.261	0.264	0.066	0.387	0.279	0.356	0.449	0.328
		H_E	0.707	0.742	0.734	0.747	0.648	0.670	0.713	0.640	0.633	0.705	0.768	0.722	0.704	0.742	0.750	0.720	0.709
		H_O	0.500	0.432	0.391	0.522	0.468	0.345	0.462	0.441	0.474	0.522	0.564	0.677	0.429	0.536	0.484	0.400	0.478
RUCV131	CV087769	n	48	40	31	26	40	51	63	58	56	64	56	67	53	55	59	43	50.63
		A	7	11	7	7	8	7	10	8	8	8	7	7	6	6	7	7	7.56
		A_R	5.90	7.18	5.74	6.05	6.45	5.91	6.72	6.51	5.71	6.12	5.45	5.83	5.04	5.28	4.45	5.24	6.13
		F_{IS}	0.040	0.237	0.062	0.229	0.214	0.126	0.208	0.076	-0.004	0.025	-0.090	0.116	0.019	0.190	0.025	0.110	0.099
		H_E	0.781	0.787	0.751	0.745	0.761	0.762	0.761	0.783	0.778	0.743	0.715	0.759	0.734	0.762	0.718	0.615	0.747
		H_O	0.750	0.600	0.710	0.577	0.600	0.667	0.603	0.724	0.786	0.719	0.768	0.672	0.717	0.618	0.695	0.558	0.673
RUCV270	CD650028	n	36	33	26	14	42	55	60	58	36	36	38	47	42	42	50	40	40.94
		A	11	11	10	6	9	11	10	11	8	11	11	10	11	8	11	8	9.81
		A_R	7.44	7.88	7.95	6.00	7.32	7.32	7.61	7.62	6.10	8.33	9.58	8.01	8.05	5.96	6.99	6.67	7.97
		F_{IS}	0.742	0.712	0.817	0.494	0.701	0.730	0.740	0.766	0.675	0.705	0.824	0.706	0.820	0.599	0.641	0.902	0.723
		H_E	0.626	0.735	0.823	0.686	0.792	0.740	0.697	0.730	0.747	0.840	0.884	0.782	0.773	0.688	0.671	0.750	0.748
		H_O	0.167	0.212	0.154	0.357	0.238	0.200	0.183	0.172	0.250	0.250	0.158	0.234	0.143	0.286	0.240	0.075	0.207
RUCV022	CD648080	n	47	37	40	24	45	56	62	60	40	48	42	47	50	58	58	56	48.13
		A	6	4	6	5	8	4	8	8	7	7	9	6	7	6	4	5	6.25
		A_R	3.61	3.20	4.30	4.49	4.19	2.81	2.95	4.06	3.29	3.91	5.14	3.55	3.47	3.92	2.56	1.94	3.99
		F_{IS}	-0.043	0.095	0.573	0.220	0.698	0.644	0.689	0.666	0.528	-0.012	0.071	-0.243	0.465	0.221	0.652	0.494	0.357
		H_E	0.347	0.248	0.418	0.418	0.376	0.198	0.165	0.244	0.269	0.265	0.529	0.398	0.288	0.307	0.158	0.099	0.295
		H_O	0.362	0.243	0.175	0.333	0.111	0.071	0.048	0.083	0.100	0.271	0.476	0.511	0.120	0.241	0.052	0.036	0.202
RUCV046	CV132648	n	49	47	45	24	49	59	69	62	54	64	56	64	60	56	59	62	54.94
		A	22	22	22	14	20	24	20	25	24	21	23	22	21	21	23	22	21.63
		A_R	14.46	15.00	14.96	12.15	14.05	14.65	13.36	15.50	14.96	13.62	14.13	14.66	13.91	13.95	15.08	14.35	14.55
		F_{IS}	0.112	0.080	0.011	0.055	0.132	0.155	0.191	0.166	0.116	0.098	0.008	0.021	0.110	0.048	0.047	0.075	0.089
		H_E	0.941	0.947	0.944	0.924	0.938	0.941	0.930	0.947	0.938	0.936	0.936	0.940	0.936	0.938	0.943	0.941	0.939
		H_O	0.837	0.872	0.933	0.875	0.816	0.797	0.754	0.790	0.833	0.844	0.929	0.922	0.833	0.893	0.898	0.871	0.856
RUCV066	CD648172	n	40	34	24	16	44	54	60	58	49	64	55	60	47	47	54	45	46.94
		A	16	16	11	9	15	11	13	14	14	13	18	19	14	14	12	11	13.75
		A_R	10.24	11.08	9.01	8.60	10.61	8.30	9.18	9.83	9.36	8.39	10.41	10.91	8.87	9.68	8.84	8.05	9.58
		F_{IS}	0.130	0.267	0.443	0.263	0.463	0.469	0.439	0.476	0.151	0.141	-0.013	0.001	0.307	0.231	0.441	0.333	0.284
		H_E	0.860	0.869	0.808	0.835	0.844	0.766	0.826	0.822	0.795	0.750	0.825	0.848	0.809	0.800	0.797	0.773	0.814
		H_O	0.750	0.647	0.458	0.625	0.455	0.407	0.467	0.431	0.673	0.641	0.836	0.850	0.553	0.617	0.444	0.511	0.585
Cvi5	DQ205720	n	43	23	14	19	34	41	54	56	56	60	58	65	50	51	41	23	43.00
		A	16	12	12	13	13	16	23	21	17	21	21	22	18	18	16	19	17.38
		A_R	12.11	11.43	12.00	12.07	11.11	12.35	13.11	12.63	11.83	13.37	13.18	13.39	11.99	11.75	11.17	15.02	12.64
		F_{IS}	0.112	0.110	0.159	0.087	0.326	0.129	0.232	0.357	-0.051	-0.023	0.092	0.072	0.125	0.003	0.084	0.085	0.119
		H_E	0.915	0.927	0.921	0.920	0.910	0.921	0.915	0.918	0.929	0.930	0.927	0.910	0.907	0.903	0.940	0.919	
		H_O	0.814	0.826	0.786	0.842	0.618	0.805	0.704	0.589	0.964	0.950	0.845	0.862	0.800	0.902	0.829	0.870	0.813
Cvi8	AF276249	n	49	42	42	30	45	56	64	61	55	67	54	63	61	57	66	60	54.50

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		A A _R F _{IS} H _E H _O	8 4.98 0.540 0.530 0.245	10 6.12 0.378 0.614 0.381	9 6.65 0.341 0.638 0.429	6 4.89 0.247 0.617 0.467	7 4.31 0.380 0.460 0.289	11 6.54 0.212 0.633 0.500	10 5.98 0.473 0.618 0.328	10 6.78 0.345 0.624 0.410	10 5.79 0.246 0.495 0.382	10 4.86 0.408 0.553 0.328	8 4.91 0.241 0.509 0.389	8 5.72 0.372 0.629 0.397	12 6.22 0.312 0.547 0.377	9 5.04 0.257 0.471 0.351	8 5.34 0.439 0.619 0.348	10 5.28 0.388 0.534 0.333	9.13 5.76 0.349 0.568 0.372
Cvi2j10	AY644661	n A A _R F _{IS} H _E H _O	49 10 7.16 -0.175 0.801	45 11 6.37 -0.071 0.727	45 10 7.24 -0.099 0.751	29 7 5.44 0.051 0.726	44 6 4.98 0.247 0.659	54 9 6.18 0.085 0.725	66 10 6.13 0.473 0.686	58 12 6.45 0.313 0.701	40 10 6.48 0.215 0.624	57 10 6.54 0.322 0.612	49 8 5.49 -0.198 0.665	56 14 7.52 -0.211 0.779	59 9 5.28 -0.245 0.659	57 11 6.47 -0.075 0.666	59 8 5.83 0.024 0.651	56 10 6.24 0.184 0.625	51.44 9.69 6.59 0.053 0.691
Cvi2k14	AY644668	n A A _R F _{IS} H _E H _O	50 5 4.17 -0.222 0.541	45 6 4.75 -0.128 0.564	47 6 5.29 -0.277 0.668	26 4 3.75 -0.221 0.525	46 3 2.52 -0.024 0.292	59 6 4.17 -0.328 0.563	68 6 3.45 -0.069 0.427	61 7 3.65 -0.007 0.437	59 6 4.37 -0.114 0.545	67 5 4.11 -0.206 0.582	58 6 4.44 -0.450 0.668	66 6 5.37 -0.364 0.651	60 8 4.62 -0.230 0.608	58 7 4.24 -0.337 0.637	65 6 4.09 -0.222 0.552	64 5 3.84 -0.234 0.594	56.19 5.69 4.57 -0.215 0.553
RUCV060	CD650028	n A A _R F _{IS} H _E H _O	49 8 5.68 -0.331 0.677	45 9 6.17 -0.172 0.679	47 7 5.64 -0.219 0.682	30 6 5.55 -0.276 0.708	48 7 5.22 -0.122 0.539	57 8 5.69 -0.075 0.611	67 8 5.12 0.116 0.557	62 8 5.81 0.082 0.632	59 7 5.46 -0.279 0.688	67 8 5.99 -0.290 0.707	58 7 5.41 -0.398 0.705	66 6 5.31 -0.353 0.730	60 7 6.85 -0.261 0.743	58 6 6.19 -0.219 0.722	64 5 5.57 -0.209 0.634	62 5 6.20 -0.060 0.619	56.63 7.81 5.89 -0.192 0.665
RUCV073	BC624853	n A A _R F _{IS} H _E H _O	49 7 4.31 0.205 0.359	42 12 6.12 0.134 0.494	42 5 4.14 -0.070 0.419	29 3 3.00 0.112 0.465	42 5 3.88 0.103 0.473	56 4 3.18 0.139 0.350	65 8 4.41 0.277 0.446	59 4 3.18 0.045 0.373	58 6 3.72 0.013 0.362	65 7 4.08 -0.056 0.347	58 4 3.05 -0.003 0.327	67 6 3.70 0.013 0.400	57 5 3.34 0.029 0.308	56 6 3.65 0.095 0.340	64 4 3.04 0.002 0.353	54 7 4.11 -0.057 0.366	53.94 5.81 3.83 0.060 0.386