

Appendix I Pairwise F_{ST} values for *T. elegans* populations (below diagonal) and associated P -values (above diagonal), obtained after 3000 permutations.

	PVM	AMP	ASH	BLW	BUL	CLG	COL	DNS	GAL	JKS	LTC	MAH	MCY	NML	PAP	PIK	RKY	RON	STF	SUM
PVM		0.012	0.055	0.001	0.003	0.935	0.000	0.000	0.000	0.000	0.048	0.000	0.013	0.001	0.000	0.000	0.999	0.015	0.004	0.014
AMP	0.013		0.535	0.672	0.911	0.950	0.013	0.001	0.007	0.241	0.764	0.000	0.358	0.026	0.000	0.001	0.998	0.357	0.961	0.168
ASH	0.010	0.000		0.179	0.139	1.000	0.037	0.004	0.002	0.015	0.337	0.002	0.874	0.105	0.000	0.001	0.999	0.650	0.210	0.267
BLW	0.029	0.000	0.007		0.173	0.272	0.104	0.047	0.002	0.257	0.581	0.004	0.198	0.068	0.000	0.000	0.957	0.127	0.597	0.021
BUL	0.014	0.000	0.007	0.005		0.950	0.005	0.000	0.001	0.079	0.201	0.000	0.092	0.009	0.000	0.000	0.998	0.011	0.740	0.022
CLG	0.000	0.000	0.000	0.005	0.000		0.084	0.027	0.004	0.051	0.999	0.018	0.770	0.119	0.003	0.001	0.985	0.634	0.984	0.828
COL	0.040	0.034	0.021	0.014	0.027	0.018		0.402	0.003	0.007	0.011	0.037	0.012	0.143	0.001	0.000	0.852	0.020	0.001	0.000
DNS	0.057	0.046	0.033	0.020	0.034	0.028	0.002		0.000	0.000	0.001	0.038	0.012	0.201	0.003	0.000	0.991	0.001	0.000	0.000
GAL	0.030	0.022	0.025	0.029	0.017	0.028	0.031	0.037		0.002	0.000	0.004	0.000	0.075	0.000	0.006	0.825	0.002	0.000	0.001
JKS	0.053	0.005	0.024	0.004	0.009	0.018	0.033	0.048	0.029		0.008	0.000	0.017	0.003	0.000	0.000	0.481	0.015	0.022	0.000
LTC	0.009	0.000	0.003	0.000	0.004	0.000	0.032	0.039	0.031	0.025		0.000	0.677	0.044	0.000	0.001	1.000	0.145	0.655	0.116
MAH	0.028	0.036	0.030	0.030	0.030	0.023	0.017	0.015	0.015	0.043	0.029		0.000	0.543	0.200	0.000	0.908	0.001	0.000	0.000
MCY	0.024	0.001	0.000	0.008	0.012	0.000	0.041	0.040	0.059	0.030	0.000	0.054		0.012	0.000	0.000	0.234	0.606	0.498	0.197
NML	0.023	0.019	0.010	0.014	0.018	0.010	0.010	0.006	0.009	0.031	0.015	0.000	0.029		0.341	0.000	0.950	0.137	0.006	0.001
PAP	0.035	0.044	0.037	0.043	0.038	0.027	0.033	0.025	0.025	0.048	0.036	0.002	0.059	0.001		0.000	0.302	0.000	0.000	0.000
PIK	0.029	0.037	0.035	0.058	0.031	0.037	0.074	0.074	0.018	0.060	0.032	0.031	0.085	0.037	0.029		0.203	0.000	0.000	0.000
RKY	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.002	0.007		0.523	1.000	0.762
RON	0.019	0.003	0.000	0.014	0.023	0.000	0.032	0.047	0.031	0.029	0.011	0.038	0.000	0.010	0.047	0.057	0.000		0.033	0.197
STF	0.015	0.000	0.004	0.000	0.000	0.000	0.036	0.041	0.026	0.017	0.000	0.038	0.000	0.022	0.047	0.032	0.000	0.017		0.075
SUM	0.015	0.006	0.003	0.024	0.014	0.000	0.064	0.071	0.039	0.040	0.009	0.057	0.005	0.034	0.065	0.060	0.000	0.006	0.009	

Bold values are significant at $P < 0.00026$ after sequential Bonferroni correction.

Appendix II Pairwise F_{ST} values for *T. sirtalis* populations (below diagonal) and associated P -values (above diagonal), obtained after 3000 permutations.

	PVS	AMP	ASH	BUL	COL	DNS	FEA	GOR	MAH	NML	RON	STF	SUM
PVS		0.976	0.000	0.006	0.000	0.004	0.231	0.001	0.000	0.000	0.945	0.012	0.142
AMP	0.000		0.010	0.022	0.001	0.000	0.385	0.067	0.007	0.001	0.208	0.304	0.301
ASH	0.046	0.028		0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.004	0.004	0.027
BUL	0.018	0.027	0.045		0.000	0.000	0.017	0.852	0.000	0.000	0.027	0.111	0.211
COL	0.053	0.072	0.049	0.079		0.011	0.001	0.000	0.794	0.004	0.001	0.000	0.000
DNS	0.023	0.090	0.085	0.060	0.036		0.034	0.001	0.006	0.000	0.057	0.000	0.001
FEA	0.004	0.003	0.045	0.024	0.050	0.028		0.051	0.002	0.003	0.478	0.040	0.155
GOR	0.024	0.021	0.031	0.000	0.062	0.056	0.019		0.001	0.000	0.009	0.057	0.327
MAH	0.046	0.046	0.034	0.068	0.000	0.046	0.047	0.051		0.018	0.003	0.000	0.002
NML	0.044	0.052	0.098	0.082	0.043	0.083	0.045	0.057	0.029		0.001	0.000	0.000
RON	0.000	0.011	0.033	0.020	0.057	0.023	0.001	0.034	0.057	0.066		0.160	0.189
STF	0.019	0.006	0.023	0.010	0.072	0.068	0.023	0.016	0.058	0.084	0.012		0.485
SUM	0.008	0.004	0.020	0.005	0.065	0.055	0.013	0.004	0.052	0.087	0.010	0.000	

Bold values are significant at the 0.0006 level after sequential Bonferroni correction.

Appendix III Estimates of $4N_{em}$ (off-diagonal) and $4N_{e\mu}$ (diagonal, bold) for *T. elegans*. Gene flow occurs from columns to rows.

	PVM	AMP	ASH	BLW	BUL	CLG	COL	DNS	GAL	JKS	LTC	MAH	MCY	NML	PAP	PIK	RKY	RON	STF	SUM
PVM	0.187	1.542	1.542	1.364	4.625	0.992	1.648	1.010	2.374	1.294	1.914	5.298	0.673	1.719	9.482	1.807	0.585	0.746	1.735	1.081
U95CI	0.177	1.240	1.240	1.082	4.086	0.755	1.335	0.770	1.995	1.019	1.575	4.720	0.481	1.399	8.701	1.479	0.407	0.543	1.413	0.832
L95CI	0.197	1.889	1.889	1.692	5.209	1.275	2.006	1.295	2.799	1.613	2.298	5.921	0.911	2.084	10.308	2.181	0.808	0.995	2.102	1.375
AMP	2.198	0.101	1.088	0.577	1.332	0.666	0.777	0.646	1.710	1.021	0.666	2.442	0.755	0.799	4.019	1.443	0.400	0.733	1.199	0.333
U95CI	1.793	0.092	0.811	0.383	1.023	0.455	0.547	0.439	1.356	0.754	0.455	2.014	0.529	0.566	3.462	1.120	0.242	0.510	0.907	0.192
L95CI	2.660	0.111	1.422	0.828	1.698	0.934	1.064	0.910	2.121	1.346	0.934	2.928	1.038	1.090	4.633	1.823	0.614	1.012	1.548	0.531
ASH	2.642	0.582	0.104	0.687	2.205	0.707	0.437	0.936	1.290	0.603	1.789	2.684	0.291	0.770	4.641	1.207	0.146	0.478	1.165	0.811
U95CI	2.209	0.393	0.095	0.478	1.811	0.495	0.276	0.689	0.995	0.410	1.437	2.247	0.164	0.547	4.059	0.922	0.063	0.309	0.886	0.583
L95CI	3.128	0.826	0.114	0.948	2.652	0.972	0.651	1.237	1.638	0.850	2.194	3.174	0.471	1.045	5.277	1.544	0.282	0.702	1.497	1.093
BLW	2.010	1.389	1.625	0.104	1.330	1.123	0.532	0.709	1.300	0.916	1.510	2.630	0.443	1.241	4.019	1.419	0.857	0.650	0.709	0.384
U95CI	1.569	1.029	1.233	0.094	0.978	0.803	0.322	0.462	0.953	0.630	1.133	2.121	0.255	0.903	3.381	1.054	0.582	0.415	0.462	0.211
L95CI	2.526	1.825	2.094	0.116	1.757	1.519	0.817	1.032	1.723	1.278	1.963	3.215	0.707	1.655	4.733	1.859	1.208	0.961	1.032	0.632
BUL	4.240	1.389	1.537	0.983	0.199	0.704	0.574	1.444	1.888	1.259	1.814	5.351	0.796	1.851	8.942	1.926	0.870	0.833	2.499	1.907
U95CI	3.714	1.098	1.229	0.742	0.188	0.503	0.395	1.147	1.545	0.983	1.479	4.757	0.581	1.512	8.169	1.579	0.645	0.613	2.101	1.562
L95CI	4.813	1.727	1.891	1.272	0.211	0.952	0.800	1.789	2.279	1.582	2.198	5.992	1.058	2.238	9.764	2.320	1.143	1.101	2.945	2.299
CLG	3.748	1.167	1.485	0.672	3.748	0.110	0.601	0.530	2.192	1.874	0.919	3.429	0.389	0.495	4.207	1.520	0.495	1.662	0.919	1.237
U95CI	3.079	0.813	1.080	0.413	3.079	0.097	0.359	0.305	1.691	1.414	0.610	2.792	0.202	0.279	3.496	1.110	0.279	1.231	0.610	0.871
L95CI	4.507	1.611	1.980	1.021	4.507	0.125	0.934	0.846	2.784	2.425	1.319	4.158	0.666	0.801	5.009	2.021	0.801	2.183	1.319	1.694
COL	2.123	1.398	1.183	0.645	1.639	0.484	0.101	0.753	1.183	0.833	1.129	2.231	0.376	0.484	5.106	1.021	0.161	0.672	0.860	0.457
U95CI	1.689	1.051	0.867	0.420	1.262	0.293	0.091	0.507	0.867	0.573	0.821	1.785	0.212	0.293	4.414	0.730	0.064	0.442	0.595	0.273
L95CI	2.626	1.813	1.567	0.938	2.086	0.743	0.113	1.067	1.567	1.162	1.505	2.746	0.609	0.743	5.867	1.381	0.327	0.971	1.193	0.710
DNS	2.117	0.895	0.865	1.223	2.386	0.149	1.014	0.118	1.789	0.838	0.537	3.847	0.209	0.775	7.664	0.567	0.268	0.447	1.610	0.924
U95CI	1.662	0.611	0.587	0.886	1.900	0.053	0.710	0.106	1.374	0.565	0.325	3.221	0.090	0.514	6.765	0.348	0.129	0.257	1.218	0.636
L95CI	2.649	1.254	1.219	1.636	2.947	0.320	1.394	0.131	2.281	1.188	0.824	4.549	0.404	1.113	8.640	0.861	0.484	0.713	2.079	1.289
GAL	2.453	0.958	0.808	0.639	1.798	0.891	0.605	0.655	0.134	0.521	0.706	4.117	0.269	1.075	7.277	2.084	0.034	0.655	1.747	0.672
U95CI	2.076	0.730	0.601	0.456	1.478	0.672	0.428	0.471	0.126	0.358	0.513	3.623	0.158	0.833	6.613	1.738	0.006	0.471	1.433	0.485
L95CI	2.873	1.228	1.059	0.864	2.160	1.152	0.825	0.883	0.143	0.726	0.941	4.654	0.423	1.361	7.984	2.472	0.104	0.883	2.105	0.902
JKS	1.154	0.577	1.208	0.577	1.082	1.058	0.716	0.577	0.938	0.101	1.756	2.068	0.265	0.192	4.906	0.986	0.286	0.842	1.347	0.818
U95CI	0.858	0.376	0.903	0.376	0.796	0.776	0.488	0.376	0.674	0.092	1.383	1.661	0.137	0.088	4.264	0.714	0.152	0.593	1.024	0.573
L95CI	1.512	0.840	1.574	0.840	1.430	1.402	1.006	0.840	1.264	0.111	2.190	2.537	0.453	0.358	5.611	1.319	0.482	1.152	1.731	1.124
LTC	2.191	1.229	1.252	1.051	3.308	1.431	0.604	0.447	0.961	0.425	0.117	2.638	0.313	1.252	3.979	1.679	0.827	0.469	1.744	1.162
U95CI	1.785	0.933	0.952	0.778	2.804	1.108	0.404	0.279	0.702	0.261	0.108	2.190	0.176	0.952	3.423	1.327	0.588	0.296	1.385	0.874
L95CI	2.653	1.584	1.609	1.380	3.870	1.810	0.861	0.673	1.278	0.645	0.127	3.143	0.507	1.609	4.592	2.088	1.123	0.700	2.160	1.508
MAH	3.781	1.610	1.945	1.116	3.253	0.941	1.292	1.355	2.360	1.292	1.658	0.228	1.244	1.835	13.206	2.663	0.542	1.467	2.376	1.435
U95CI	3.319	1.316	1.620	0.875	2.827	0.721	1.030	1.087	2.000	1.030	1.360	0.218	0.988	1.520	12.327	2.279	0.380	1.187	2.014	1.159
L95CI	4.282	1.945	2.311	1.398	3.720	1.202	1.594	1.664	2.761	1.594	1.998	0.240	1.540	2.191	14.126	3.087	0.745	1.787	2.778	1.752
MCY	1.414	0.245	0.163	0.190	0.707	0.435	0.217	0.517	0.761	0.163	0.598	1.740	0.060	0.517	2.338	0.082	0.843	0.734	1.387	0.870
U95CI	1.063	0.118	0.065	0.082	0.469	0.255	0.099	0.318	0.513	0.065	0.382	1.348	0.053	0.318	1.878	0.020	0.580	0.491	1.040	0.602
L95CI	1.834	0.441	0.331	0.368	1.014	0.684	0.405	0.785	1.079	0.331	0.884	2.202	0.069	0.785	2.868	0.212	1.175	1.047	1.803	1.207
NML	2.109	0.174	0.652	0.544	2.240	0.696	0.978	0.761	1.566	0.215	0.718	1.981	0.413	0.107	5.066	1.305	0.174	0.652	1.131	0.478
U95CI	1.717	0.079	0.446	0.357	1.834	0.482	0.720	0.536	1.231	0.107	0.500	1.601	0.254	0.098	4.443	1.002	0.079	0.446	0.851	0.305
L95CI	2.557	0.324	0.914	0.785	2.700	0.966	1.293	1.042	1.956	0.379	0.991	2.416	0.628	0.117	5.745	1.663	0.324	0.914	1.466	0.707
PAP	4.832	1.487	1.324	1.203	3.963	1.456	1.274	1.597	3.690	1.264	1.334	5.792	0.485	1.698	0.306	3.660	0.354	1.405	2.441	2.043
U95CI	4.412	1.259	1.110	1.000	3.583	1.231	1.064	1.361	3.324	1.055	1.120	5.331	0.361	1.454	0.296	3.296	0.249	1.184	2.146	1.774
L95CI	5.278	1.741	1.564	1.432	4.368	1.707	1.509	1.859	4.081	1.498	1.575	6.280	0.636	1.968	0.317	4.051	0.484	1.652	2.762	2.338
PIK	1.860	1.432	1.645	0.429	2.200	0.232	1.377	1.091	1.951	0.715	1.878	2.362	0.161	1.162	5.526	0.122	0.232	0.501	1.609	1.162
U95CI	1.525	1.141	1.332	0.280	1.833	0.128	1.092	0.840	1.607	0.516	1.541	1.982	0.077	0.902	4.932	0.114	0.128	0.337	1.299	0.902
L95CI	2.240	1.769	2.005	0.624	2.612	0.383	1.708	1.388	2.340	0.960	2.260	2.788	0.290	1.468	6.165	0.131	0.383	0.710	1.965	1.468
RKY	2.023	0.343	0.309	0.377	1.166	0.240	0.377	0.309	1.166	0.823	0.686	0.892	0.206	0.377	2.297	1.612	0.066	0.103	1.608	0.583
U95CI	1.550	0.172	0.148	0.196	0.817	0.103	0.196	0.148	0.817	0.536	0.427	0.591	0.082	0.196	1.790	1.194	0.057	0.026	1.191	0.348
L95CI	2.584	0.601	0.556	0.646	1.603	0.464	0.646	0.556	1.603	1.197	1.032	1.279	0.417	0.646	2.892	2.117	0.076	0.267	2.114	0.905
RON	1.806	0.500	0.500	0.417	1.750	0.583	0.278	0.289	1.920	1.056	1.028	2.306	0.806	0.945	5.335	0.722	0.500	0.099	1.167	0.667
U95CI	1.402	0.303	0.303	0.240	1.353	0.368	0.139	0.219	1.502	0.755	0.731	1.845	0.547	0.662	4.615	0.479	0.303	0.089	0.849	0.434
L95CI	2.281	0.768	0.768	0.665	2.219	0.870	0.487	0.630	2.409	1.428	1.396	2.839	1.136	1.299	6.125	1.037	0.768	0.111	1.556	0.970
STF	2.829	0.742	1.581	0.722	2.049	1.151	0.878	1.015	1.873	1.403	1.483	2.615	0.663	0.896	5.912	1.524	0.410	0.976	0.141	1.405
U95CI	2.394	0.530	1.261	0.514	1.682	0.882	0.646	0.763	1.523	1.103	1.174	2.197	0.465	0.661	5.271	1.2				

Appendix IV Estimates of $4N_e m$ (off-diagonal) and $4N_e \mu$ (diagonal, bold) for *T. sirtalis*. Gene flow occurs from columns to rows.

	PVM	AMP	ASH	BUL	COL	DNS	FEA	GOR	MAH	NML	RON	STF	SUM
PVM	0.324	1.940	5.298	3.814	3.009	2.756	4.236	4.542	2.256	2.986	2.983	3.035	2.085
U95CI	0.309	1.644	4.797	3.392	2.636	2.400	3.791	4.080	1.935	2.614	2.612	2.660	1.777
L95CI	0.340	2.270	5.832	4.270	3.415	3.146	4.715	5.038	2.610	3.391	3.389	3.443	2.427
AMP	4.981	0.073	1.518	0.453	1.362	0.533	0.560	1.891	0.505	0.876	0.824	1.038	1.225
U95CI	4.300	0.063	1.157	0.270	1.022	0.332	0.353	1.484	0.310	0.610	0.567	0.745	0.904
L95CI	5.731	0.084	1.948	0.703	1.771	0.801	0.836	2.365	0.768	1.211	1.150	1.398	1.614
ASH	7.382	0.850	0.141	1.915	1.842	1.641	0.900	3.610	2.297	0.904	1.552	1.788	1.301
U95CI	6.689	0.629	0.130	1.573	1.508	1.326	0.672	3.131	1.920	0.676	1.246	1.458	1.023
L95CI	8.122	1.116	0.153	2.303	2.224	2.003	1.174	4.134	2.720	1.178	1.904	2.164	1.625
BUL	8.853	1.918	5.015	0.127	7.939	2.354	1.759	4.528	1.206	1.701	2.290	2.013	0.997
U95CI	7.866	1.479	4.282	0.115	7.006	1.864	1.339	3.833	0.866	1.290	1.805	1.562	0.690
L95CI	9.920	2.436	5.828	0.141	8.951	2.924	2.259	5.304	1.626	2.191	2.853	2.542	1.384
COL	5.080	0.811	1.484	2.122	0.104	1.395	0.795	1.688	0.828	1.486	0.484	0.777	0.432
U95CI	4.521	0.600	1.191	1.769	0.094	1.112	0.587	1.375	0.616	1.194	0.326	0.571	0.284
L95CI	5.683	1.066	1.821	2.520	0.115	1.721	1.048	2.045	1.085	1.822	0.686	1.026	0.624
DNS	6.344	0.532	1.451	1.163	1.526	0.100	0.819	2.634	1.597	1.614	0.532	1.065	1.376
U95CI	5.606	0.339	1.114	0.864	1.179	0.089	0.570	2.169	1.242	1.256	0.340	0.781	1.048
L95CI	7.145	0.786	1.850	1.523	1.934	0.112	1.129	3.160	2.014	2.034	0.787	1.411	1.766
FEA	6.380	0.801	1.995	2.276	0.961	1.476	0.100	2.599	1.479	1.317	2.466	1.558	1.165
U95CI	5.613	0.550	1.582	1.831	0.684	1.125	0.089	2.122	1.128	0.987	2.003	1.197	0.856
L95CI	7.215	1.118	2.475	2.787	1.305	1.894	0.113	3.142	1.897	1.714	2.997	1.986	1.540
GOR	7.997	1.017	4.436	3.468	1.653	2.129	1.687	0.162	1.280	1.777	1.409	3.570	1.713
U95CI	7.227	0.759	3.870	2.970	1.317	1.744	1.346	0.149	0.988	1.428	1.100	3.064	1.370
L95CI	8.821	1.329	5.055	4.018	2.042	2.567	2.081	0.177	1.626	2.179	1.771	4.127	2.109
MAH	6.874	0.609	2.489	1.145	0.759	1.122	0.930	1.952	0.100	1.875	0.731	0.877	0.341
U95CI	6.102	0.401	2.037	0.848	0.522	0.828	0.665	1.554	0.090	1.487	0.500	0.620	0.192
L95CI	7.708	0.880	3.004	1.505	1.059	1.478	1.258	2.412	0.113	2.326	1.025	1.195	0.552
NML	6.910	1.363	2.806	0.788	1.566	1.047	2.986	1.908	1.128	0.127	1.624	0.786	0.840
U95CI	6.108	1.025	2.307	0.539	1.201	0.755	2.471	1.502	0.824	0.113	1.253	0.537	0.582
L95CI	7.781	1.768	3.372	1.104	1.998	1.406	3.568	2.381	1.500	0.143	2.062	1.102	1.166
RON	8.929	0.354	2.228	1.975	0.835	0.304	1.730	2.508	1.339	1.012	0.113	1.191	0.658
U95CI	8.027	0.200	1.795	1.568	0.582	0.163	1.351	2.045	1.009	0.730	0.102	0.881	0.437
L95CI	9.896	0.574	2.727	2.447	1.154	0.511	2.174	3.035	1.733	1.359	0.127	1.565	0.934
STF	7.660	1.299	2.449	3.593	1.190	1.044	1.385	3.845	1.100	1.470	1.984	0.124	1.271
U95CI	6.783	0.959	1.969	3.004	0.866	0.743	1.032	3.234	0.789	1.106	1.553	0.112	0.935
L95CI	8.611	1.712	3.002	4.255	1.587	1.418	1.810	4.528	1.483	1.907	2.487	0.139	1.679
SUM	6.942	0.537	1.927	3.059	0.912	0.473	0.538	2.934	1.263	1.232	1.863	1.200	0.091
U95CI	6.065	0.320	1.482	2.489	0.617	0.272	0.321	2.377	0.911	0.884	1.428	0.858	0.080
L95CI	7.900	0.834	2.452	3.709	1.287	0.755	0.799	3.571	1.696	1.660	2.380	1.623	0.105

U95CI: upper 95% confidence limit; L95CI: lower 95% confidence limit.