S1 Table. **Summary of genetic diversity at 15 microsatellite loci from *Tridacna maxima* samples**. n: number of sampled individuals; H_{obs}: observed heterozygosity; H_{exp}: Nei 's unbiased expected heterozygosity; F_{IS}: Weir and Cockerham's (1984) estimate of Wright's (1951) fixation index (italic type indicate significant deviations from HWE after standard Bonferroni correction). Full names of abbreviated sampled locations are given in Fig 2.

	AST	BB	LIF	MAR	TIG	OUV	COO	BEL	POU	VOH	BOU	GOR	CS	IP	MER	HIE	PWE	KUA	PB	CHE	SUR	HUO	EFA
n	**45**	**46**	**46**	**47**	**25**	**48**	**33**	**24**	**45**	**47**	**46**	**22**	**41**	**42**	**41**	**43**	**45**	**11**	**38**	**19**	**43**	**38**	**14**
Tm14538																							
H_E	0.879	0.864	0.888	0.892	0.856	0.887	0.907	0.851	0.850	0.889	0.903	0.855	0.867	0.889	0.886	0.880	0.865	0.818	0.893	0.843	0.872	0.890	0.829
H_O	0.714	0.545	0.630	0.680	0.560	0.553	0.727	0.608	0.488	0.587	0.695	0.590	0.625	0.642	0.650	0.609	0.534	0.636	0.763	0.526	0.571	0.621	0.642
F_{IS}	0.200	*0.379*	0.300	*0.247*	*0.364*	0.386	*0.214*	0.306	*0.434*	*0.350*	0.240	*0.330*	*0.291*	*0.288*	0.279	*0.318*	*0.392*	0.267	0.159	0.399	0.356	*0.314*	0.259
Tm18921																							
H_E	0.911	0.913	0.909	0.927	0.898	0.901	0.909	0.891	0.910	0.902	0.917	0.886	0.931	0.890	0.931	0.912	0.876	0.880	0.915	0.892	0.891	0.902	0.824
H_O	0.476	0.590	0.375	0.488	0.363	0.444	0.250	0.260	0.365	0.418	0.500	0.523	0.625	0.500	0.631	0.486	0.387	0.363	0.666	0.647	0.435	0.444	0.428
F_{IS}	*0.487*	*0.363*	*0.596*	0.482	*0.610*	*0.515*	*0.733*	*0.718*	*0.606*	*0.545*	*0.464*	0.429	*0.340*	*0.449*	*0.334*	*0.477*	*0.570*	*0.617*	*0.284*	0.303	*0.521*	*0.518*	*0.508*
Tm23670																							
H_E	0.854	0.894	0.845	0.912	0.892	0.905	0.878	0.874	0.861	0.900	0.859	0.881	0.875	0.871	0.870	0.856	0.896	0.830	0.893	0.857	0.899	0.898	0.890
H_O	0.750	0.782	0.760	0.914	0.739	0.777	0.812	0.666	0.733	0.680	0.840	0.761	0.682	0.666	0.769	0.790	0.733	0.818	0.684	0.631	0.809	0.729	0.928
F_{IS}	0.133	0.136	0.110	0.009	0.193	0.152	0.091	0.257	0.159	*0.254*	0.033	0.159	0.232	*0.247*	0.129	0.088	0.192	0.062	0.247	*0.288*	0.112	0.201	-0.00
Tm24162																							
H_E	0.918	0.913	0.934	0.935	0.920	0.927	0.930	0.914	0.920	0.914	0.922	0.899	0.923	0.925	0.928	0.933	0.938	0.892	0.921	0.897	0.923	0.926	0.864
H_O	0.609	0.466	0.585	0.659	0.440	0.555	0.625	0.391	0.682	0.488	0.555	0.454	0.368	0.589	0.500	0.600	0.477	0.454	0.500	0.705	0.641	0.821	0.428
F_{IS}	*0.347*	*0.498*	*0.384*	*0.306*	*0.536*	*0.411*	*0.342*	*0.587*	*0.270*	*0.474*	*0.407*	*0.512*	*0.610*	*0.374*	*0.472*	*0.368*	*0.500*	*0.526*	*0.468*	0.243	*0.317*	0.131	0.532
Tm24224																							
H_E	0.860	0.822	0.886	0.868	0.736	0.828	0.861	0.767	0.898	0.879	0.846	0.863	0.851	0.887	0.863	0.798	0.812	0.835	0.850	0.846	0.889	0.876	0.862
H_O	0.444	0.243	0.394	0.357	0.350	0.333	0.160	0.333	0.382	0.384	0.325	0.500	0.323	0.387	0.342	0.277	0.342	0.125	0.352	0.333	0.472	0.281	0.214
F_{IS}	*0.494*	*0.710*	*0.564*	*0.597*	*0.543*	*0.606*	*0.821*	*0.585*	*0.585*	*0.572*	*0.624*	0.442	*0.629*	*0.575*	*0.612*	*0.660*	*0.588*	*0.868*	*0.595*	*0.628*	*0.480*	*0.687*	*0.767*
Tm2534																							
H_E	0.659	0.572	0.656	0.677	0.653	0.618	0.680	0.544	0.669	0.677	0.737	0.740	0.649	0.644	0.690	0.739	0.561	0.615	0.704	0.681	0.750	0.702	0.606
H_O	0.238	0.225	0.189	0.219	0.272	0.257	0.275	0.181	0.297	0.289	0.414	0.150	0.333	0.181	0.459	0.305	0.088	0.200	0.058	0.312	0.135	0.333	0.307
F_{IS}	*0.646*	*0.615*	*0.719*	*0.683*	*0.598*	*0.594*	*0.606*	*0.679*	*0.566*	*0.582*	*0.448*	*0.806*	*0.498*	*0.725*	0.347	0.596	0.847	0.702	*0.919*	0.564	*0.824*	*0.535*	0.522
TmG1																							
H_E	0.759	0.754	0.699	0.678	0.711	0.635	0.773	0.728	0.654	0.752	0.755	0.695	0.620	0.729	0.639	0.722	0.728	0.785	0.765	0.667	0.713	0.642	0.637
H_O	0.720	0.733	0.673	0.744	0.680	0.645	0.697	0.791	0.622	0.659	0.673	0.681	0.634	0.738	0.585	0.697	0.681	0.909	0.815	0.631	0.674	0.675	0.428
F_{IS}	0.063	0.039	0.048	-0.086	0.064	-0.006	0.114	-0.066	0.060	0.134	0.118	0.043	-0.010	0.000	0.097	0.045	0.076	-0.111	-0.053	0.081	0.066	-0.039	0.361

Tm06526																								
H_E	0.894	0.910	0.904	0.908	0.876	0.904	0.913	0.890	0.889	0.900	0.888	0.872	0.907	0.872	0.902	0.892	0.898	0.855	0.920	0.845	0.878	0.884	0.783
H_O	0.780	0.777	0.804	0.787	0.880	0.723	0.833	0.739	0.636	0.651	0.782	0.727	0.800	0.684	0.769	0.814	0.711	0.727	0.815	0.722	0.697	0.542	0.428
F_{IS}	0.140	*0.157*	0.121	0.144	*0.016*	0.211	0.105	0.191	*0.295*	*0.288*	0.130	0.189	0.131	0.229	0.160	0.100	0.219	0.196	0.126	0.174	0.217	*0.398*	0.482
Tm11666																								
H_E	0.630	0.587	0.559	0.610	0.581	0.679	0.487	0.689	0.596	0.619	0.608	0.582	0.594	0.626	0.554	0.539	0.671	0.611	0.665	0.729	0.599	0.639	0.213
H_O	0.604	0.587	0.521	0.652	0.652	0.604	0.424	0.750	0.600	0.717	0.644	0.636	0.675	0.789	0.589	0.674	0.733	0.545	0.684	0.631	0.465	0.710	0.230
F_{IS}	0.053	0.013	0.078	-0.057	-0.100	0.121	0.145	-0.067	0.005	-0.148	-0.048	-0.069	-0.123	-0.247	-0.050	-0.239	-0.082	0.155	-0.014	0.161	0.235	-0.098	-0.043
Tm20025																								
H_E	0.654	0.586	0.622	0.602	0.722	0.637	0.622	0.572	0.658	0.573	0.547	0.630	0.613	0.668	0.555	0.634	0.700	0.417	0.606	0.590	0.573	0.391	0.775
H_O	0.477	0.268	0.371	0.250	0.500	0.282	0.260	0.142	0.550	0.285	0.307	0.500	0.305	0.394	0.307	0.487	0.425	0.363	0.411	0.473	0.425	0.250	0.714
F_{IS}	*0.281*	*0.551*	*0.415*	*0.593*	0.331	*0.564*	*0.596*	*0.761*	0.177	*0.510*	0.449	0.231	*0.512*	*0.420*	*0.456*	*0.242*	*0.404*	0.175	0.334	0.223	0.271	0.375	0.155
Tm23637																								
H_E	0.785	0.818	0.831	0.815	0.814	0.791	0.770	0.770	0.789	0.660	0.795	0.829	0.816	0.836	0.854	0.778	0.801	0.612	0.798	0.867	0.627	0.784	0.503
H_O	0.184	0.205	0.343	0.312	0.058	0.282	0.192	0.000	0.181	0.266	0.270	0.333	0.208	0.172	0.285	0.185	0.344	0.285	0.307	0.428	0.071	0.200	0.250
F_{IS}	*0.771*	*0.755*	*0.597*	*0.627*	*0.932*	*0.651*	*0.759*	*1.000*	*0.776*	*0.607*	*0.668*	0.626	*0.754*	*0.800*	*0.675*	*0.770*	*0.581*	0.586	*0.627*	*0.533*	*0.890*	*0.754*	0.535
TmB12																								
H_E	0.882	0.857	0.881	0.877	0.870	0.862	0.888	0.881	0.878	0.854	0.888	0.885	0.879	0.875	0.865	0.837	0.880	0.756	0.865	0.819	0.864	0.876	0.836
H_O	0.863	0.790	0.733	0.760	0.708	0.708	0.909	0.625	0.772	0.695	0.804	0.761	0.658	0.714	0.800	0.785	0.795	0.454	0.815	0.833	0.857	0.783	0.571
F_{IS}	0.033	0.089	0.179	0.144	0.207	0.189	-0.00	0.311	0.132	0.197	0.106	0.163	0.263	0.195	0.088	0.074	0.108	0.438	0.071	0.012	0.021	0.119	0.350
TmE4																								
H_E	0.926	0.940	0.919	0.923	0.926	0.936	0.919	0.916	0.927	0.918	0.930	0.905	0.934	0.934	0.939	0.937	0.930	0.907	0.928	0.936	0.936	0.922	0.882
H_O	0.704	0.600	0.577	0.630	0.541	0.723	0.709	0.541	0.511	0.574	0.644	0.619	0.682	0.512	0.561	0.666	0.545	0.888	0.526	0.526	0.650	0.594	0.357
F_{IS}	0.250	0.372	0.381	0.327	0.433	0.237	0.244	*0.427*	*0.458*	*0.384*	0.317	0.338	*0.281*	*0.462*	*0.413*	*0.300*	*0.423*	0.079	*0.444*	0.459	*0.317*	*0.368*	*0.619*
TmE5																								
H_E	0.890	0.898	0.891	0.890	0.899	0.908	0.900	0.845	0.888	0.896	0.896	0.881	0.883	0.897	0.884	0.901	0.869	0.863	0.869	0.862	0.903	0.876	0.900
H_O	0.909	0.956	0.931	0.851	0.880	0.833	0.909	0.913	0.911	0.851	0.760	0.909	0.925	0.785	0.756	0.907	0.755	0.909	0.789	0.500	0.883	0.789	0.857
F_{IS}	-0.010	-0.054	-0.034	0.055	0.042	0.093	0.006	-0.058	-0.014	0.061	0.162	-0.008	-0.034	0.136	0.157	0.005	0.142	-0.005	0.105	*0.444*	0.034	0.112	0.085
TmH2																								
H_E	0.903	0.910	0.917	0.929	0.872	0.916	0.917	0.902	0.930	0.931	0.917	0.907	0.909	0.927	0.926	0.903	0.905	0.900	0.895	0.914	0.933	0.920	0.881
H_O	0.682	0.688	0.659	0.577	0.695	0.645	0.580	0.478	0.767	0.680	0.818	0.818	0.641	0.731	0.731	0.720	0.627	0.636	0.555	0.842	0.725	0.828	0.615
F_{IS}	*0.255*	*0.254*	*0.292*	*0.388*	0.224	*0.305*	*0.381*	*0.487*	0.186	0.279	*0.120*	0.121	*0.307*	0.223	*0.222*	0.213	*0.317*	*0.336*	*0.392*	0.106	*0.235*	0.114	0.338
Multilocus																								
H_E	0.827	0.816	0.823	0.830	0.815	0.822	0.824	0.802	0.821	0.818	0.827	0.821	0.817	0.831	0.819	0.817	0.822	0.772	0.832	0.816	0.817	0.808	0.752
H_O	0.610	0.564	0.570	0.592	0.554	0.558	0.557	0.495	0.566	0.548	0.602	0.597	0.565	0.566	0.582	0.600	0.545	0.554	0.583	0.583	0.567	0.573	0.493
F_{IS}	*0.273*	*0.319*	*0.318*	*0.296*	*0.340*	*0.331*	*0.338*	*0.402*	*0.321*	*0.339*	*0.282*	*0.295*	*0.320*	*0.331*	*0.301*	*0.277*	*0.348*	*0.329*	*0.312*	*0.313*	*0.317*	*0.304*	*0.379*