

Appendix 6: F_{is} for Each Species and Population. Significant deviation from HWE is indicated in bold.

Species and Population	a102	a108	a110	B11	b201	b202	B209	b212	b227	b231	b236	c8	c104	c112	c113	c114	c204	c210	c212	c219	c232	d8	Total Φ_{is}
<i>Patiria miniata</i>																							
Santa Barbara	-	-	-	0.83	0.19	-0.01	0.25	-	-	-	-	-	-	-	0.28	-	-	0.30	-	-	-	-	0.31
Bodega Bay	-	-	-	0.63	0.45	-0.22	0.08	-	-	-	-	0.00	-	-	0.09	-	-	0.18	-	-	-	-	0.21
Fort Bragg	-	-	-	0.66	0.26	-0.10	0.35	-	-	-	-	0.03	-	-	0.15	-	-	0.12	-	-	-	-	0.19
Bamfield	-	-	-	0.82	0.17	-0.12	0.20	-	-	-	-	0.03	-	-	0.08	-	-	0.27	-	-	-	-	0.25
Tofino	-	-	-	0.77	0.46	-0.03	0.21	-	-	-	-	0.06	-	-	0.29	-	-	0.42	-	-	-	-	0.38
Winter Harbour	-	-	-	0.63	0.03	0.38	0.16	-	-	-	-	0.33	-	-	1.00	-	-	0.02	-	-	-	-	0.39
Tanu	-	-	-	0.79	0.14	0.06	0.23	-	-	-	-	0.06	-	-	0.02	-	-	0.10	-	-	-	-	0.22
Lousie Narrows	-	-	-	0.52	0.26	-0.02	0.24	-	-	-	-	0.14	-	-	0.16	-	-	0.09	-	-	-	-	0.16
Rennell	-	-	-	1.00	0.63	0.49	0.23	-	-	-	-	0.05	-	-	0.43	-	-	0.16	-	-	-	-	0.43
Moresby	-	-	-	0.74	0.11	0.74	0.19	-	-	-	-	0.00	-	-	0.05	-	-	0.66	-	-	-	-	0.41
View Cover	-	-	-	0.61	-0.09	-0.02	0.11	-	-	-	-	0.06	-	-	0.09	-	-	0.06	-	-	-	-	0.15
Dixon Inlet	-	-	-	0.89	-0.05	-0.17	0.04	-	-	-	-	0.08	-	-	0.19	-	-	0.03	-	-	-	-	0.18
total	-	-	-	0.69	0.20	0.09	0.20	-	-	-	-	0.02	-	-	0.26	-	-	0.14	-	-	-	-	0.26
<i>Patiria pectinifera</i>																							
Asamusi Bay Japan	-	-	-	-	0.38	0.00	-	-	-	-	-	0.02	-	-	0.07	-	-	-	-	-	-	-	0.20
Futagojima Japan	-	-	-	-	0.41	0.00	-	-	-	-	-	0.80	-	-	0.05	-	-	-	-	-	-	-	0.21
Ooura Japan	-	-	-	-	0.39	0.67	-	-	-	-	-	0.02	-	-	0.04	-	-	-	-	-	-	-	0.28
total	-	-	-	-	0.38	0.62	-	-	-	-	-	0.29	-	-	0.03	-	-	-	-	-	-	-	0.23
<i>Meridiastra mortensoni</i>																							
Karaka Bay NZ	-	-	-	-	-	-0.24	-	-	-	-	-	-	-	0.10	-	0.61	0.62	-	-	-	0.15	-	0.21
Mission Bay NZ	-	-	-	-	-	-0.07	-	-	-	-	-	-	-	0.06	-	0.71	0.53	-	-	-	0.03	-	0.20
Whangarei NZ	-	-	-	-	-	0.45	-	-	-	-	-	-	-	0.26	-	0.24	0.59	-	-	-	0.12	-	0.38
total	-	-	-	-	-	0.05	-	-	-	-	-	-	-	0.08	-	0.57	0.59	-	-	-	0.04	-	0.25
<i>Meridiastra calcar</i>																							

Shell Harbour 2	-	-	-	-	-	0.24	-	-	-	-	0.55	0.04	-	0.04	-	0.41	0.34	-	-	-	0.15	-	0.26
Little Bay	-	-	-	-	-	-0.15	-	-	-	-	0.34	0.03	-	0.01	-	0.03	0.07	-	-	-	0.12	-	0.06
Tessealated Pavement	-	-	-	-	-	0.22	-	-	-	-	0.45	0.00	-	0.04	-	0.21	0.10	-	-	-	0.32	-	0.22
Balmaural Beach	-	-	-	-	-	0.07	-	-	-	-	-0.02	0.09	-	0.25	-	0.15	0.38	-	-	-	0.23	-	0.22
Clovelley	-	-	-	-	-	-0.10	-	-	-	-	0.77	0.21	-	0.11	-	0.37	0.23	-	-	-	0.05	-	0.24
Deewhy	-	-	-	-	-	0.28	-	-	-	-	0.63	0.02	-	0.02	-	0.08	0.09	-	-	-	0.24	-	0.18
Primrose Sands	-	-	-	-	-	0.03	-	-	-	-	0.12	---	-	0.03	-	0.02	0.14	-	-	-	0.29	-	0.12
Allison Beach	-	-	-	-	-	0.67	-	-	-	-	0.89	0.03	-	0.18	-	0.11	0.07	-	-	-	0.00	-	0.22
Gordons Bay	-	-	-	-	-	0.16	-	-	-	-	0.36	0.01	-	0.21	-	0.43	0.23	-	-	-	0.00	-	0.14
Fortescue Bay	-	-	-	-	-	-0.03	-	-	-	-	0.50	0.02	-	0.09	-	0.27	0.24	-	-	-	0.04	-	0.20
Port Stevens	-	-	-	-	-	0.17	-	-	-	-	0.45	0.03	-	0.12	-	0.29	0.09	-	-	-	0.08	-	0.17
WestB	-	-	-	-	-	-0.17	-	-	-	-	0.66	0.00	-	0.26	-	0.04	0.31	-	-	-	0.07	-	0.17
WestA	-	-	-	-	-	-0.03	-	-	-	-	-0.04	0.02	-	0.28	-	0.02	0.56	-	-	-	0.04	-	0.21
total <i>Cryptasterina hystera</i>	-	-	-	-	-	0.13	-	-	-	-	0.53	0.03	-	0.05	-	0.23	0.21	-	-	-	0.11	-	0.19
One Tree Island 2	---	-	-	-	-	---	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	---	---
One Tree Island 1	---	-	-	-	-	---	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	---	---
One Tree Island 4	---	-	-	-	-	---	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	---	---
South Yeppoon	---	-	-	-	-	---	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	---	---
Statute Bay	---	-	-	-	-	---	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	---	---
One Tree Island 5	---	-	-	-	-	---	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	---	---
total <i>Cryptasterina pentagona</i>	---	-	-	-	-	---	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	---	---
Arlie Beach 2	-	0.76	-	-	-	1.00	-	-	0.12	0.85	-	-	-	-	-	-	-	-	-	---	-	-	0.56
Arlie Beach 1	-	0.01	-	-	-	---	-	-	-0.02	0.52	-	-	-	-	-	-	-	-	-	---	-	-	0.24
Bingal Bay	-	0.01	-	-	-	---	-	-	0.14	0.48	-	-	-	-	-	-	-	-	-	---	-	-	0.26

Bowen	-	0.03	-	-	-	0.00	-	-	0.00	0.80	-	-	-	-	-	-	-	-	---	-	-	0.24		
Townsville	-	0.17	-	-	-	1.00	-	-	0.21	0.28	-	-	-	-	-	-	-	-	---	-	-	0.25		
Dingo Beach	-	0.38	-	-	-	---	-	-	0.07	0.80	-	-	-	-	-	-	-	-	---	-	-	0.38		
total	-	0.36	-	-	-	0.80	-	-	0.09	0.53	-	-	-	-	-	-	-	-	---	-	-	0.31		
<i>Parvulastra exigua</i>																								
Primrose Sands	-	-	0.86	-	-	-	-	-	-	-	-	-	-	0.04	-	---	-	-	-	0.06	-	-	0.27	
Shell Harbour 2	-	-	1.00	-	-	-	-	-	-	-	-	-	-	---	-	0.00	-	-	-	0.08	-	-	0.23	
Clovelley	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	---	-	-	-	0.09	-	-	-0.09	
Eaglehawk Neck	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	---	-	-	-	0.14	-	-	-0.14	
Deewhy	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	---	-	-	-	0.35	-	-	0.35	
Little Bay	-	-	---	-	-	-	-	-	-	-	-	-	-	0.05	-	---	-	-	-	0.26	-	-	0.14	
Port Stevens	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	---	-	-	-	---	-	-	---	
Tikera	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	---	-	-	-	0.65	-	-	0.65	
Shell Harbour 1	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	0.28	-	-	-	0.28	-	-	0.28	
Balmarual Beach	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	---	-	-	-	0.00	-	-	0.00	
Port Hughes	-	-	---	-	-	-	-	-	-	-	-	-	-	---	-	---	-	-	-	0.03	-	-	-0.03	
total	-	-	0.90	-	-	-	-	-	-	-	-	-	-	0.04	-	0.24	-	-	-	0.11	-	-	0.18	
<i>Parvulastra parvivipara</i>																								
Ceduna	-	-	---	-	-	---	-	-	-	-	-	-	-	---	-	---	-	-	-	---	---	-	-	---
Point Brown	-	-	---	-	-	---	-	-	-	-	-	-	-	---	-	---	-	-	-	1.00	---	-	-	1.00
The Granites	-	-	---	-	-	---	-	-	-	-	-	-	-	---	-	---	-	-	-	1.00	---	-	-	1.00
Smooth Pool	-	-	0.83	-	-	---	-	-	-	-	-	-	-	---	-	---	-	-	-	---	---	-	-	0.83
total	-	-	0.83	-	-	---	-	-	-	-	-	-	-	---	-	---	-	-	-	1.00	---	-	-	0.93
<i>Parvulastra vivipara</i>																								
Blowhole	-	-	---	-	-	---	-	-	-	-	-	-	-	-	-	---	-	-	---	---	-	-	---	
Fortescue Bay	-	-	---	-	-	---	-	-	-	-	-	-	-	-	-	---	-	-	---	1.00	-	-	1.00	

Eaglehawk Neck	-	-	---	-	-	---	-	-	-	-	-	-	-	-	-	---	-	-	---	1.00	-	-	1.00
total	-	-	---	-	-	---	-	-	-	-	-	-	-	-	-	---	-	-	---	1.00	-	-	1.00