

genus_species	locality	country	latitude	longitude
Dictyota_bartayresiana	St. John's Island	Singapore	1.222506	103.847544
Dictyota_crenulata	Puerto Culebra	Costa Rica	10.6356	-85.6876
Dictyota_crenulata	Puerto Culebra	Costa Rica	10.6356	-85.6876
Dictyota_crenulata	Isla Socorro: Braithwaite Bay	Mexico	18.72893	-110.93966
Dictyota_crenulata	Oaxaca: San Agustin	Mexico	15.7861	-97.10017
Dictyota_crenulata	Oaxaca: San Agustin	Mexico	27.32714	-114.72756
Dictyota_crenulata	Gulf of California: Bahía Concepción	Mexico	26.75143	-111.85289
Dictyota_crenulata	Gulf of California: Cabo San Lucas	Mexico	22.92991	-109.81477
Dictyota_crenulata	Isla Socorro: Braithwaite Bay	Mexico	18.72893	-110.93966
Dictyota_crenulata	La Paz	Mexico	24.20833	-110.375
Dictyota_crenulata	Oaxaca: San Agustín	Mexico	15.7861	-97.10017
Dictyota_crenulata	Todos Santos	Mexico	31.71855	-116.66754
Dictyota_crenulata	Βαηφα Vizcaφno	Mexico	27.32714	-114.72756
Dictyota_crenulata	Gulf of California: Bahia Concepcion	Mexico	26.75143	-111.85289
Dictyota_crenulata	Gulf of California: Cabo San Lucas	Mexico	22.92991	-109.81477
Dictyota_crenulata	La Paz	Mexico	24.20833	-110.375
Dictyota_crenulata	Todos Santos	Mexico	31.71855	-116.66754
Dictyota_implexa	Aguadilla	Puerto Rico	18.45833	-67.20834
Dictyota_implexa	Arecibo	Puerto Rico	18.48275	-66.69692
Dictyota_implexa	Cabo Rojo	Puerto Rico	17.93242	-67.19261
Dictyota_implexa	Culebra Island	Puerto Rico	18.33876	-65.32502
Dictyota_implexa	Desecheo Island	Puerto Rico	18.38346	-67.48836
Dictyota_implexa	Guanica	Puerto Rico	17.94768	-66.90186
Dictyota_implexa	Guayama	Puerto Rico	17.94766	-66.11349
Dictyota_implexa	Guayanilla	Puerto Rico	17.96432	-66.77921
Dictyota_implexa	La Parguera	Puerto Rico	17.97055	-67.05125
Dictyota_implexa	Mayag ⁿ ez	Puerto Rico	18.20833	-67.20834
Dictyota_implexa	Mona Island	Puerto Rico	18.05863	-67.87057
Dictyota_implexa	Ponce	Puerto Rico	17.96858	-66.66155
Dictyota_implexa	Rincon	Puerto Rico	18.34364	-67.26072

Dictyota_implexa	Yabucoa	Puerto Rico	18.02023	-65.83004
Dictyota_jamaicensis	St. Georges	Grenada	12.04907	-61.78939
Dictyota_jamaicensis	St. Ann: Drax Estates: Christofers Cove	Jamaica	18.42032	-77.13587
Dictyota_jamaicensis	Antigua: St. John Parish: Hodges Bay	Lesser Antilles	17.12292	-61.85939
Dictyota_jamaicensis	Barbados: Christ Church Parish: Silver Sands	Lesser Antilles	13.04626	-59.51699
Dictyota_jamaicensis	Barbados: Six Men's Bay	Lesser Antilles	13.26778	-59.64561
Dictyota_jamaicensis	Barbados: St. James Parish: Paynes Bay	Lesser Antilles	13.20833	-59.625
Dictyota_jamaicensis	Barbados: St. Lucy Parish: Little Bay	Lesser Antilles	13.3093	-59.57693
Dictyota_jamaicensis	Barbados: St. Peter Parish: Heywoods Beach	Lesser Antilles	13.26167	-59.64396
Dictyota_jamaicensis	Bequia: Adams Beach	Lesser Antilles	13.00564	-61.24065
Dictyota_jamaicensis	St. Lucia: Gros Islet Quarter: La Brellote Bay	Lesser Antilles	14.07245	-60.95967
Dictyota_jamaicensis	St. Vincent: St. George Parish: Calliaqua	Lesser Antilles	13.12889	-61.2047
Dictyota_jamaicensis	Rocas: Las Croabas: Fajardo	Puerto Rico	18.36371	-65.62422
Dictyota_jamaicensis	Rocas: Playa Tamarindo: Guñnica	Puerto Rico	17.9519	-66.84807
Dictyota_jamaicensis	Frigate Bay	St. Kitts	17.27406	-62.68296
Dictyota_jamaicensis	Vigie Point	St. Lucia	14.02264	-60.99235
Dictyota_jamaicensis	St. Georges	Grenada	12.04907	-61.78939
Dictyota_jamaicensis	St. Ann: Drax Estates: Christofers Cove	Jamaica	18.42032	-77.13587
Dictyota_jamaicensis	Antigua: St. John Parish: Hodges Bay	Lesser Antilles	17.12292	-61.85939
Dictyota_jamaicensis	Barbados: Christ Church Parish: Silver Sands	Lesser Antilles	13.04626	-59.51699
Dictyota_jamaicensis	Barbados: Six Men's Bay	Lesser Antilles	13.26778	-59.64561
Dictyota_jamaicensis	Barbados: St. James Parish: Paynes Bay	Lesser Antilles	13.20833	-59.625
Dictyota_jamaicensis	Barbados: St. Lucy Parish: Little Bay	Lesser Antilles	13.3093	-59.57693
Dictyota_jamaicensis	Barbados: St. Peter Parish: Heywoods Beach	Lesser Antilles	13.26167	-59.64396
Dictyota_jamaicensis	Bequia: Adams Beach	Lesser Antilles	13.00564	-61.24065
Dictyota_jamaicensis	St. Lucia: Gros Islet Quarter: La Brellote Bay	Lesser Antilles	14.07245	-60.95967
Dictyota_jamaicensis	St. Vincent: St. George Parish: Calliaqua	Lesser Antilles	13.12889	-61.2047
Dictyota_jamaicensis	Rocas: Las Croabas: Fajardo	Puerto Rico	18.36371	-65.62422
Dictyota_jamaicensis	Rocas: Playa Tamarindo: Guánica	Puerto Rico	17.9519	-66.84807
Dictyota_jamaicensis	Frigate Bay	St. Kitts	17.27406	-62.68296
Dictyota_jamaicensis	Vigie Point	St. Lucia	14.02264	-60.99235

Dictyota_kunthii	Las Cruces	Chile	-33.502975	-71.636617
Spatoglossum_pacificum	Gyungsangbuk-do: Pohang: Guryongpo	Korea	35.801867	129.503291
Rugulopteryx_okamurae	Gyungsangbuk-do: Gampo	Korea	35.801867	129.503291
Canistrocarpus_cervicornis	Madras: Pamban Island	India	9.300054	79.248529
Padina_australis	Isla Colón: Fort Randolph	Panama		
Dictyota_intermedia	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Dictyota_intermedia	New South Wales: Norfolk Island: Slaughter Bay	Australia	-29.059063	167.951949
Dictyota_humifusa	Isla Urraba	Panama		
Padina_psbA.sp9	Perlas Islands: W Contadora Island	Panama		
Padina_crassa.a	Perlas Islands: W Contadora Island	Panama		
Dictyota_sp20	Perlas islands: S Pacheca Island	Panama		
Padina_australis	Bocas del Toro: Colón: Isla Grande	Panama		
Canistrocarpus_cervicornis	Port Dickson: Cape Rachado	Malaysia	2.411823	101.860675
Canistrocarpus_cervicornis	Melaka: Pulau Besar	Malaysia	2.108201	102.322927
Dictyota_hamifera	Bocas del Toro: Colón: Sail Rock	Panama	9.46074	-82.30742
Canistrocarpus_cervicornis	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.20804	-82.10172
Padina_australis	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.20804	-82.10172
Padina_gymnospora	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.20804	-82.10172
Dictyota_pleiocantha2	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.20804	-82.10172
Padina_gymnospora	Bocas del Toro: Isla Colon: Swan key	Panama	9.27069	-82.17932
Styopodium_sp7	Bocas del Toro: Isla Colon: Swan key	Panama	9.27069	-82.17932
Dictyota_ceylanica5	Bocas del Toro: Isla Colon: Swan key	Panama	9.27069	-82.17932
Dictyota_canariensis	Bocas del Toro: E Isla Carenero	Panama	9.34018	-82.22858
Dictyota_canariensis	Bocas del Toro: E Isla Carenero	Panama	9.34018	-82.22858
Padina_australis	Bocas del Toro: E Isla Carenero	Panama	9.34018	-82.22858
Dictyota_ciliolata	Bocas del Toro: E Isla Carenero	Panama	9.34018	-82.22858
Dictyota_rigida5	Bocas del Toro: Isla Colon: Swan key	Panama	9.27069	-82.17932
Canistrocarpus_cervicornis	Bocas del Toro: E Isla Carenero	Panama	9.34018	-82.22858
Dictyota_ciliolata	Bocas del Toro: E Isla Carenero	Panama	9.34018	-82.22858
Dictyota_ciliolata	Bocas del Toro: E Isla Carenero	Panama	9.34018	-82.22858
Canistrocarpus_cervicornis	Bocas del Toro: E Isla Carenero	Panama	9.34018	-82.22858

Canistrocarpus_cervicornis	Bocas del Toro: E Isla Carenero	Panama	9.34018	-82.22858
Dictyota_ceylanica5	Bocas del Toro: E Isla Carenero	Panama	9.34018	-82.22858
Canistrocarpus_cervicornis	Bocas del Toro: E Isla Carenero	Panama	9.34018	-82.22858
Padina_gymnospora	Bocas del Toro: Tervi Bight	Panama	9.41604	-82.36837
Dictyota_ceylanica5	Bocas del Toro: Tervi Bight	Panama	9.41604	-82.36837
Dictyota_ciliolata	Bocas del Toro: Tervi Bight	Panama	9.41604	-82.36837
Dictyota_jamaicensis	Bocas del Toro: Tervi Bight	Panama	9.41604	-82.36837
Dictyota_jamaicensis	Bocas del Toro: Tervi Bight	Panama	9.41604	-82.36837
Dictyota_jamaicensis	Bocas del Toro: Tervi Bight	Panama	9.41604	-82.36837
Dictyota_mertensii2	Bocas del Toro: Isla Bastimentos: E of Wild Cane Cay	Panama	9.34622	-82.14825
Dictyota_mertensii2	Bocas del Toro: Isla Bastimentos: E of Wild Cane Cay	Panama	9.34622	-82.14825
Dictyota_mertensii1	Bocas del Toro: Isla Bastimentos: E of Wild Cane Cay	Panama	9.34622	-82.14825
Dictyota_mertensii1	Bocas del Toro: Isla Bastimentos: E of Wild Cane Cay	Panama	9.34622	-82.14825
Dictyota_ceylanica5	Bocas del Toro: Bastimento-Solarte Channel	Panama	9.30549	-82.17263
Padina_japonica	Bocas del Toro	Panama		
Dictyota_rigida5	Bocas del Toro: Flat Rock Beach	Panama	9.38042	-82.23816
Padina_gymnospora	Bocas del Toro: Flat Rock Beach	Panama	9.38042	-82.23816
Padina_australis	Bocas del Toro: Flat Rock Beach	Panama	9.38042	-82.23816
Dictyota_ciliolata	Bocas del Toro: Flat Rock Beach	Panama	9.38042	-82.23816
Dictyota_guineensis	Bocas del Toro: Isla Colon: Swan key	Panama	9.27069	-82.17932
Dictyota_pinnatifida	Bocas del Toro: Isla Colon: Mimbi Timbi	Panama	9.44026	-82.28081
Padina_australis	Bocas del Toro: Colón: Punta Galeta	Panama	9.40303	-79.86066
Dictyota_ceylanica5	Bocas del Toro: Colón: Punta Galeta	Panama	9.40303	-79.86066
Padina_australis	Bocas del Toro: Isla Naranjo Arriba: near María Chiquita	Panama	9.44118	-79.79799
Canistrocarpus_cervicornis	Northern Territory: Darwin: East Point	Australia	-12.413	130.826
Stypopodium_sp7	Bocas del Toro: Isla Colón: Swan key	Panama	9.27069	-82.17932
Padina_australis	Bocas del Toro: Cayos Zapatillas	Panama	9.27299	-82.0554
Dictyota_bartayresiana	Bocas del Toro: Cayos Zapatillas	Panama	9.26089	-82.07814
Dictyopteris_delicatula3	Bocas del Toro: Escudo de Veraguas	Panama	9.10089	-81.5777
Padina_australis	Bocas del Toro: Booby Cay	Panama	9.0857	-81.539
Dictyota_bartayresiana	Bocas del Toro: Cocoplum	Panama	9.04494	-81.73882

Padina_australis	Bocas del Toro: Peninsula Valiente: S Big Plantain Cay	Panama	9.12376	-81.79743
Dictyota_alternifida	Victoria: Barwon Heads	Australia	-38.292	144.501
Dictyota_sp20	Chiriquí: Punta Burica: Mono Feliz	Panama	8.03042	-82.87574
Dictyota_sp20	Chiriquí: Punta Burica: Mono Feliz	Panama	8.03042	-82.87574
Padina_psbA.sp10	Chiriquí: Punta Burica: Mono Feliz	Panama	8.03042	-82.87574
Padina_psbA.sp9	Chiriquí: Punta Burica: Mono Feliz	Panama	8.03042	-82.87574
Dictyota_sp19	Chiriquí: Punta Burica: Mono Feliz	Panama	8.03042	-82.87574
Dictyota_sp20	Chiriquí: Punta Burica: Mono Feliz	Panama	8.03042	-82.87574
Dictyota_sp20	Chiriquí: Punta Burica: Mono Feliz	Panama	8.03042	-82.87574
Padina_crassa.a	Chiriquí: Punta Burica: Mono Feliz	Panama	8.03042	-82.87574
Padina_psbA.sp9	Chiriquí: Punta Burica: Mono Feliz	Panama	8.03042	-82.87574
Padina_crassa.a	Chiriquí: Punta Burica: Mono Feliz	Panama	8.03042	-82.87574
Padina_psbA.sp9	Chiriquí: Punta Burica: Mono Feliz	Panama	8.03042	-82.87574
Padina_psbA.sp9	Chiriquí: Punta Burica: Mono Feliz	Panama	8.03042	-82.87574
Padina_psbA.sp9	Chiriquí: Punta Burica: Mono Feliz	Panama	8.03042	-82.87574
Padina_crassa.a	Chiriquí: Punta Burica: Mono Feliz	Panama	8.03042	-82.87574
Dictyota_sp20	Chiriquí: Punta Burica: Isla Burica	Panama	8.01865	-82.8839
Padina_psbA.sp10	Chiriquí: Punta Burica: Isla Burica	Panama	8.01865	-82.8839
Dictyota_humifusa	Chiriquí: Punta Burica: Isla Burica	Panama	8.01865	-82.8839
Padina_psbA.sp10	Chiriquí: Punta Burica: Isla Burica	Panama	8.01865	-82.8839
Dictyota_sp20	Chiriquí: Punta Burica: Isla Burica	Panama	8.01865	-82.8839
Dictyota_sp20	Chiriquí: Punta Burica: Isla Burica	Panama	8.01865	-82.8839
Dictyota_sp20	Chiriquí: Punta Burica: Isla Burica	Panama	8.01865	-82.8839
Dictyota_sp20	Chiriquí: Punta Burica: Isla Burica	Panama	8.01865	-82.8839
Dictyota_humifusa	Chiriquí: Punta Burica: Isla Burica	Panama	8.01865	-82.8839
Dictyota_sp19	Chiriquí: Punta Burica: Isla Burica	Panama	8.01865	-82.8839
Padina_crassa.a	Veraguas: Islotes de Cativo: Bahia Honda	Panama	7.68443	-81.48514
Dictyota_sp20	Veraguas: Islotes de Cativo: Bahia Honda	Panama	7.68443	-81.48514
Dictyota_sp20	Veraguas: Islotes de Cativo: Bahia Honda	Panama	7.68443	-81.48514
Dictyota_sp19	Veraguas: Islotes de Cativo: Bahia Honda	Panama	7.68443	-81.48514
Dictyota_sp19	Veraguas: Isla Canal de Afuera	Panama	7.71462	-81.60931

Dictyota_sp19	Veraguas: Isla Canal de Afuera	Panama	7.71462	-81.60931
Dictyota_humifusa	Veraguas: Isla Canal de Afuera	Panama	7.71462	-81.60931
Dictyota_sp19	Veraguas: Isla Canal de Afuera	Panama	7.71462	-81.60931
Dictyota_sp19	Veraguas: Isla Canal de Afuera	Panama	7.71462	-81.60931
Dictyota_sp20	Veraguas: Isla Coiba: Punta Hermosa	Panama	7.52496	-81.89135
Dictyota_sp19	Veraguas: Isla Coiba: Punta Iglesia	Panama	7.53896	-81.67912
Dictyota_sp19	Veraguas: Isla Coiba: Punta Cirilo	Panama	7.58898	-81.83492
Dictyota_sp20	Veraguas: Isla Coiba: Punta Cirilo	Panama	7.58898	-81.83492
Dictyota_sp20	Veraguas: Isla Canal de Afuera	Panama	7.71462	-81.60931
Dictyota_sp19	Veraguas: Isla Canal de Afuera	Panama	7.71462	-81.60931
Dictyota_sp19	Veraguas: Isla Canal de Afuera	Panama	7.69377	-81.64026
Dictyota_sp19	Veraguas: Manglarito	Panama	7.78481	-81.58853
Dictyota_ceylanica5	Bocas del Toro: Bocas del Toro	Panama	9.3511	-82.25697
Dictyopteris_delicatula3	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.20804	-82.10172
Canistrocarpus_cervicornis	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.20804	-82.10172
Rugulopteryx_marginatus	Victoria: Wilsons Promontory: Squeaky Bay	Australia	-39.015639	146.290665
Padina_australis	Bocas del Torpo: Isla Carenero	Panama	9.34018	-82.22858
Padina_gymnospora	Bocas del Toro: Tervi Bight	Panama	9.41604	-82.36837
Dictyota_ciliolata	Bocas del Toro: Isla Colon: Swan key	Panama	9.27069	-82.17932
Padina_arborescens.a	Veraguas: Isla Cebaco: Cebaco Bay	Panama	7.29388	-81.1344
Padina_psbA.sp6	Veraguas: Isla Cebaco: Cebaco Bay	Panama	7.29388	-81.1344
Padina_psbA.sp10	Veraguas: Isla Cebaco: Cebaco Bay	Panama	7.29388	-81.1344
Padina_crassa.a	Veraguas: Isla Cebaco: Sombrero Rock Cove	Panama	7.47007	-81.25467
Padina_psbA.sp10	Veraguas: Isla Cebaco: Sombrero Rock Cove	Panama	7.47007	-81.25467
Padina_psbA.sp9	Veraguas: Isla Cebaco: Sombrero Rock Cove	Panama	7.47007	-81.25467
Dictyota_sp20	Veraguas: Isla Cebaco: Hobo Point	Panama	7.48942	-81.2595
Dictyota_sp20	Veraguas: Isla Cebaco: Hobo Point	Panama	7.48942	-81.2595
Dictyota_sp19	Veraguas: Isla Cebaco: Cebaco Bay	Panama	7.47708	-81.23055
Dictyota_sp19	Veraguas: Isla Cebaco: Cebaco Bay	Panama	7.47708	-81.23055
Dictyota_sp20	Veraguas: Isla Cebaco: Cebaco Bay	Panama	7.47708	-81.23055
Dictyota_humifusa	Veraguas: Isla Cebaco: Cebaco Bay	Panama	7.47708	-81.23055

Dictyota_sp19	Veraguas: Isla Cebaco: Cebaco Bay	Panama	7.47708	-81.23055
Padina_psba.sp10	Veraguas: Isla Cebaco: Cebaco Bay	Panama	7.49173	-81.22262
Rugulopteryx_marginatus	New South Wales: Dee Why	Australia	-33.755423	151.301477
Dictyota_ciliolata	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.34942	-82.16947
Dictyota_pleiacantha2	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.34942	-82.16947
Dictyota_rigida5	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.34942	-82.16947
Dictyota_ceylanica5	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.34942	-82.16947
Dictyota_hamifera	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.34942	-82.16947
Dictyota_pinnatifida	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.34942	-82.16947
Dictyota_sp15	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.34942	-82.16947
Dictyota_sp15	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.34942	-82.16947
Canistrocarpus_cervicornis	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.34942	-82.16947
Canistrocarpus_cervicornis	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.34942	-82.16947
Dictyota_ciliolata	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.34942	-82.16947
Dictyota_mertensii1	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.34942	-82.16947
Dictyota_canariensis	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.34942	-82.16947
Dictyota_ciliolata	Bocas del Toro: Isla Bastimentos: Wild Cane Cay	Panama	9.34942	-82.16947
Dictyota_guineensis	Bocas del Toro: Isla Colon: Mimbi Timbi	Panama	9.4406	-82.27605
Dictyota_ciliolata	Bocas del Toro: Isla Colon: Mimbi Timbi	Panama	9.4406	-82.27605
Dictyota_ciliolata	Bocas del Toro: Isla Colon: Mimbi Timbi	Panama	9.4406	-82.27605
Dictyota_ciliolata	Bocas del Toro: Isla Colon: Mimbi Timbi	Panama	9.4406	-82.27605
Dictyota_ciliolata	Bocas del Toro: Isla Colon: Mimbi Timbi	Panama	9.4406	-82.27605
Dictyota_pinnatifida	Bocas del Toro: Isla Colon: Mimbi Timbi	Panama	9.4406	-82.27605
Padina_arborescens.a	Veraguas: Isla Cebaco: Rancho Paja	Panama	7.49104	-81.18411
Dictyota_humifusa	Veraguas: Isla Cebaco: Rancho Paja	Panama	7.49104	-81.18411
Padina_crassa.a	Veraguas: Isla Cebaco: Rancho Paja	Panama	7.49104	-81.18411
Dictyota_humifusa	Veraguas: Isla Cebaco: Rancho Paja	Panama	7.49104	-81.18411
Dictyota_sp19	Veraguas: Isla Cebaco: Rancho Paja	Panama	7.49104	-81.18411
Dictyota_sp20	Veraguas: Isla Cebaco: Rancho Paja	Panama	7.49104	-81.18411
Padina_psba.sp10	Veraguas: Isla Cebaco: Rancho Paja	Panama	7.49104	-81.18411
Dictyota_sp20	Veraguas: Isla Cebaco: Rancho Paja	Panama	7.49104	-81.18411

Dictyota_sp19	Veraguas: Isla Tintonera: near W Isla Cebaco	Panama	7.47562	-81.2428
Dictyota_sp19	Veraguas: Isla Tintonera: near W Isla Cebaco	Panama	7.47562	-81.2428
Dictyota_sp20	Veraguas: Isla Tintonera: near W Isla Cebaco	Panama	7.47562	-81.2428
Padina_psba.sp10	Veraguas: Isla Tintonera: near W Isla Cebaco	Panama	7.47562	-81.2428
Dictyota_sp20	Veraguas: Isla Tintonera: near W Isla Cebaco	Panama	7.47562	-81.2428
Dictyota_humifusa	Veraguas: Isla Tintonera: near W Isla Cebaco	Panama	7.47562	-81.2428
Dictyota_sp20	Veraguas: Isla Cebaco: Sombrero Rock Cove	Panama	7.48229	-81.25705
Dictyota_sp19	Veraguas: Isla Cebaco: Sombrero Rock Cove	Panama	7.48229	-81.25705
Dictyota_sp20	Veraguas: Islas Octavias: NW Santa Catalina	Panama	7.65148	-81.34404
Padina_arborescens.a	Veraguas: Islas Octavias: NW Santa Catalina	Panama	7.65148	-81.34404
Padina_arborescens.a	Veraguas: Islas Octavias: NW Santa Catalina	Panama	7.65148	-81.34404
Dictyota_humifusa	Veraguas: Islas Octavias: NW Santa Catalina	Panama	7.65148	-81.34404
Dictyota_intermedia	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Dictyota_intermedia	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Dictyota_intermedia	New South Wales: Lord Howe Island: South Passage	Australia	-31.556442	159.068592
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Signal Point	Australia	-31.526009	159.058865
Dictyota_intermedia	New South Wales: Lord Howe Island: Signal Point	Australia	-31.526009	159.058865
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Signal Point	Australia	-31.526009	159.058865
Dictyota_intermedia	New South Wales: Lord Howe Island: Johnsons Beach	Australia	-31.545842	159.073683
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Johnsons Beach	Australia	-31.545842	159.073683
Dictyota_intermedia	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Rugulopteryx_marginatus	Victoria: Williamstown	Australia	-37.870663	144.89326
Rugulopteryx_marginatus	New South Wales: Admiralty Islands: Roach Island	Australia	-31.5001	159.071
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Dictyota_intermedia	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Dictyota_intermedia	New South Wales: Lord Howe Island: Erscotts Passage	Australia	-31.551661	159.067535
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Erscotts Passage	Australia	-31.551661	159.067535
Dictyota_intermedia	New South Wales: Lord Howe Island: Comets Hole	Australia	-31.536612	159.065021

Dictyota_intermedia	New South Wales: Lord Howe Island: South Passage	Australia	-31.556442	159.068592
Dictyota_intermedia	New South Wales: Lord Howe Island: Sylphs Hole	Australia	-31.523992	159.054633
Dictyota_intermedia	New South Wales: Lord Howe Island: Signal Point	Australia	-31.526009	159.058865
Dictyota_friabilis1	Madang Province: Bogia: Hansa Bay: Laing Island	Papua New Guinea	-4.1718	144.872417
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Old Gulch	Australia	-31.511816	159.041731
Dictyota_intermedia	New South Wales: Lord Howe Island: Old Gulch	Australia	-31.511816	159.041731
Dictyota_intermedia	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Dictyota_intermedia	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Sylphs Hole	Australia	-31.523992	159.054633
Dictyota_intermedia	New South Wales: Lord Howe Island: Signal Point	Australia	-31.526009	159.058865
Dictyota_intermedia	New South Wales: Lord Howe Island: Signal Point	Australia	-31.526009	159.058865
Dictyota_intermedia	New South Wales: Lord Howe Island: Signal Point	Australia	-31.526009	159.058865
Dictyota_intermedia	New South Wales: Lord Howe Island: Sylphs Hole	Australia	-31.523992	159.054633
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Sylphs Hole	Australia	-31.523992	159.054633
Dictyota_intermedia	New South Wales: Lord Howe Island: Phillip Rock	Australia	-31.517897	159.035152
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: North Passage	Australia	-31.511995	159.036303
Dictyota_intermedia	New South Wales: Admiralty Islands: Roach Island: Ryans Reef	Australia	-31.496356	159.064421
Rugulopteryx_marginatus	New South Wales: Admiralty Islands: Roach Island: Ryans Reef	Australia	-31.496356	159.064421
Dictyota_intermedia	New South Wales: Lord Howe Island: Comets Hole	Australia	-31.536612	159.065021
Dictyota_intermedia	New South Wales: Admiralty Islands: Roach Island: Ruperts Reef	Australia	-31.502932	159.066888
Dilophus_fastigiatus	Western Australia: Swan River	Australia	-32.058281	115.73295
Dictyota_polyclada3	Western Australia: Champion Bay	Australia	-28.737457	114.600561
Dictyota_intermedia	New South Wales: Sydney Harbour: Fairlight	Australia	-33.801791	151.270424
Dictyota_intermedia	New South Wales: Coffs Harbour: Muttonbird Island	Australia	-30.303079	153.154722
Rugulopteryx_marginatus	New South Wales: NW Solitary Island	Australia	-30.016591	153.269415
Rugulopteryx_marginatus	Tasmania: Bridport	Australia	-40.994738	147.397239
Dilophus_gunnianus	South Australia: Aldinga Reef	Australia	-35.276143	138.435813
Dictyopteris_lucida	A Coruña: Ria de A Coruña: Caballo de Paraderías	Spain		
Dictyopteris_lucida	A Coruña: Ria de A Coruña: Las Ánimas	Spain		
Dictyopteris_lucida	Lugo: Penedo da Insua: Ribadeo	Spain		

Dictyopteris_lucida	Lugo: Ría de Viveiro: Sur Isla Gabeira	Spain		
Dictyopteris_lucida	A Coruña: Ria de A Coruña: Caballo de Paraderías	Spain		
Dilophus_gunnianus	South Australia: Brighton	Australia	-35.021321	138.511003
Rugulopteryx_suhrii	Kwazulu-Natal: Port Shepstone	South Africa	-30.728485	30.468916
Dilophus_gunnianus	Western Australia: Israelite Bay	Australia	-33.602196	123.899937
Dilophus_gunnianus	Tasmania: Bridport	Australia	-40.994738	147.397239
Dilophus_gunnianus	South Australia: Victor Harbour	Australia	-35.554112	138.627074
Dilophus_fastigiatus	Western Australia: Cape Riche	Australia	-34.59994	118.769743
Dictyota_intermedia	New South Wales: Long Bay	Australia	-33.973056	151.260128
Dictyota_intermedia	New South Wales: Lord Howe Island	Australia	-31.5537	159.075
Dictyota_hamifera	Tahiti: Papenu	French Polynesia	-17.5079	-149.434
Dilophus_fastigiatus	Victoria: Walkerville	Australia	-38.86034	145.99999
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Comets Hole	Australia	-31.536612	159.065021
Dictyota_intermedia	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Dictyota_intermedia	New South Wales: Lord Howe Island: Old Gulch	Australia	-31.511816	159.041731
Dictyota_intermedia	New South Wales: Lord Howe Island: North Passage: North Beach	Australia	-31.521182	159.044407
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Dictyota_intermedia	New South Wales: Lord Howe Island: Sylphs Hole	Australia	-31.523992	159.054633
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Phillip Rock	Australia	-31.517897	159.035152
Zonaria_crenata	Sydney: Tamarama Beach	Australia	-33.900693	151.272467
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Dictyota_bartayresiana	MOOREA: pente externe entre les deux baies	French Polynesia	-17.48058333	-149.855967
Dictyota_dichotoma2	Gangwon-do: Chuksan	Korea	37.851351	128.92609
Dictyota_dichotoma2	Gyungangbuk-do: Balsan	Korea	35.801867	129.503291
Dictyota_bartayresiana	MOOREA: pente externe entre les deux baies	French Polynesia	-17.48058333	-149.855967
Dictyota_bartayresiana	MOOREA: pente externe entre les deux baies	French Polynesia	-17.48058333	-149.855967
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Dictyota_intermedia	New South Wales: Lord Howe Island: Signal Point	Australia	-31.526009	159.058865
Canistrocarpus_crispatus	Palua: Tanahdjampea: Udjung	Indonesia	-7.062655	120.769491
Canistrocarpus_cervicornis	Kepulauan Seribu: Pandjang	Indonesia	-5.562171	106.537124

Canistrocarpus_crispatus	Palua: Tanahdjampea: Udjung	Indonesia	-7.062655	120.769491
Canistrocarpus_cervicornis	Kepulauan Aru: Dobo	Indonesia	-5.755969	134.217404
Canistrocarpus_cervicornis	Sulawesi: Paré-Paré	Indonesia	-4.015835	119.618239
Canistrocarpus_cervicornis	Sulawesi, Boeton Straits	Indonesia	-5.000243	122.749777
Canistrocarpus_cervicornis	Moluccas: Geser	Indonesia	-3.8	130.833
Dictyota_adnata	Ile de Pins	New Caledonia	-22.589905	167.412633
Dictyota_friabilis	Irian Jaya: Misoöl Island: Daram island	Indonesia	-2.151918	130.906014
Canistrocarpus_crispatus	Kepulauan Aru: Palua Djedan	Indonesia	-5.364099	134.605807
Dictyota_friabilis	Kepulauan Banda	Indonesia	-4.54387	129.887035
Dictyota_ciliolata	Sulawesi: Tello	Indonesia	-0.079042	98.255015
Dictyota_ciliolata	Sulu Island	Philippines	7.034527	118.47775
Dictyota_ciliolata	Lombok: Pidjut Bay	Indonesia	-8.791887	116.506148
Canistrocarpus_crispatus	Sulawesi: Bonthain	Indonesia	-5.550558	119.940702
Canistrocarpus_cervicornis	Timor: Haingsisi: Samau	Indonesia	-10.186743	123.484421
Canistrocarpus_crispatus	Kepulauan Aru: Pulau Udjir	Indonesia	-5.601813	134.279901
Canistrocarpus_crispatus	Sulawesi: Tello	Indonesia	-0.079042	98.255015
Canistrocarpus_crispatus	Sulawesi: Ujungpandang	Indonesia	-5.142979	119.402809
Dictyota_ciliolata	Irian Jaya: Atiationin	Indonesia	-2.931532	132.149318
Canistrocarpus_cervicornis	Moluccas: Ambon	Indonesia	-3.702358	128.156764
Rugulopteryx_radicans	Western Australia: Port Denison	Australia	-29.274034	114.911043
Dictyota_adnata	Irian Jaya: Selat Sele	Indonesia	-1.16667	131.083
Dictyota_adnata		Tonga	-21.10381	-175.221012
Dictyota_intermedia	New South Wales: Lord Howe Island: North Passage	Australia	-31.511995	159.036303
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: North Passage	Australia	-31.511995	159.036303
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Rugulopteryx_marginatus	New South Wales: Lord Howe Island: Old Gulch	Australia	-31.511816	159.041731
Canistrocarpus_crispatus	Pulau Senang	Singapore	1.176412	103.736896
Dictyota_intermedia	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Dictyota_intermedia	New South Wales: Lord Howe Island: Ned's Beach	Australia	-31.5167	159.066
Dictyota_adnata	Madang Province: Madang: Demasa Island	Papua New Guinea	-5.14502	145.81
Canistrocarpus_crispatus	Sulawesi: Lae Lae Island	Indonesia	-5.137054	119.388689

<i>Canistrocarpus_cervicornis</i>	Sulawesi: Barang Lompo Island	Indonesia	-5.04725	119.324995
<i>Canistrocarpus_cervicornis</i>	Sulawesi: Langkai Island	Indonesia	-5.03167	119.096
<i>Canistrocarpus_crispatus</i>	Sulawesi: Langkai Island	Indonesia	-5.03167	119.096
<i>Canistrocarpus_crispatus</i>	Sulawesi: Kudingareng Keke Island	Indonesia	-5.109888	119.279259
<i>Canistrocarpus_cervicornis</i>	Sulawesi: Bone Tambung Island	Indonesia	-5.037248	119.279102
<i>Canistrocarpus_crispatus</i>	Sulawesi: Lanyukang Island	Indonesia	-5.13882	119.029106
<i>Dictyota_bartayresiana</i>	Sulawesi: Langkai Island	Indonesia	-5.03167	119.096
<i>Canistrocarpus_crispatus</i>	Sulawesi: Kayangan Island	Indonesia	-5.113282	119.398035
<i>Canistrocarpus_crispatus</i>	Sulawesi: Gusung Island	Indonesia	-5.122924	119.397309
<i>Canistrocarpus_cervicornis</i>	Sulawesi: Gusung Island	Indonesia	-5.122924	119.397309
<i>Canistrocarpus_crispatus</i>	Sulawesi: Bone Tambung Island	Indonesia	-5.037248	119.279102
<i>Dictyota_intermedia</i>	New South Wales: Lord Howe Island: Sylphs Hole	Australia	-31.523992	159.054633
<i>Rugulopteryx_marginatus</i>	New South Wales: Lord Howe Island: Sylphs Hole	Australia	-31.523992	159.054633
<i>Rugulopteryx_marginatus</i>	Queensland: Noosa	Australia	-26.396025	153.119051
<i>Dictyota_intermedia</i>	New South Wales: Tuggerah Lakes	Australia	-33.355538	151.505245
<i>Rugulopteryx_radicans</i>	South Australia: Yorke Peninsula: Marion Bay	Australia	-35.239908	136.98637
<i>Dictyota_intermedia</i>	Queensland: Caloundra	Australia	-26.805407	153.149874
<i>Dictyota_paniculata</i>	South Australia: Point Sinclair	Australia	-32.105644	132.988545
<i>Dictyota_furcellata</i>	South Australia: upper Spencer Gulf: Mangrove Point	Australia	-34.297223	138.029914
<i>Dilophus_gunnianus</i>	Tasmania: Tasman Peninsula: Wedge Bay	Australia	-43.136263	147.68376
<i>Dictyota_diemensis</i>	South Australia: Point Sinclair	Australia	-32.105644	132.988545
<i>Dictyota_nigricans</i>	Western Australia: Dongara	Australia	-29.25298	114.915493
<i>Dictyota_nigricans</i>	South Australia: Kangaroo Island: Point Tinline	Australia	-35.970469	137.637255
<i>Dictyota_nigricans</i>	Western Australia: Rottnest Island: Bickley Bay	Australia	-32.019233	115.542568
<i>Dictyota_alternifida</i>	South Australia: Coffin Bay	Australia	-34.616822	135.474394
<i>Dictyota_polyclada2</i>	Victoria: Sorrento	Australia	-38.355123	144.724238
<i>Dictyota_alternifida</i>	Victoria: Port Phillip	Australia	-38.0694	144.85
<i>Dictyota_alternifida</i>	South Australia: Robe	Australia	-37.155036	139.744495
<i>Rugulopteryx_marginatus</i>	New South Wales: Hastings Point	Australia	-28.361804	153.581723
<i>Dictyota_furcellata</i>	Tasmania: Greens Beach	Australia	-41.080058	146.748196
<i>Dictyota_paniculata</i>	Tasmania: Robbins Island: Guyton Point	Australia	-40.591182	144.956291

Rugulopteryx_radicans	Tasmania: Robbins Island: Guyton Point	Australia	-40.591182	144.956291
Dictyota_diemensis	South Australia: Aldinga	Australia	-35.270387	138.440064
Rugulopteryx_radicans	South Australia: Kangaroo Island: Seal Beach	Australia	-35.99181	137.291843
Dictyota_polyclada1	South Australia: Kangaroo Island: Emu Bay	Australia	-35.580337	137.516383
Dilophus_fastigiatus	Western Australia: Hopetoun	Australia	-33.9519	120.124
Dictyota_paniculata	South Australia: Brighton	Australia	-35.021667	138.509272
Dictyota_diemensis	Tasmania: Ulverstone	Australia	-41.147475	146.176089
Rugulopteryx_marginatus	South Australia: Port Noarlunga	Australia	-35.148635	138.46417
Dictyota_diemensis	South Australia: Port Noarlunga	Australia	-35.148635	138.46417
Dictyota_paniculata	Victoria: Point Roadknight	Australia	-38.428993	144.186387
Dictyota_paniculata	Victoria: Flinders	Australia	-38.4742	145.028
Dictyota_diemensis	Victoria: Lady Julia Percy Island	Australia	-38.412307	142.001902
Dictyota_paniculata	South Australia: Wanna	Australia	-34.890763	135.850101
Dictyota_nigricans	South Australia: Kangaroo Island: West Bay	Australia	-35.887013	136.546811
Rugulopteryx_marginatus	New South Wales: Manly: Fairlight	Australia	-33.801791	151.270424
Rugulopteryx_marginatus	Queensland: Caloundra	Australia	-26.805407	153.149874
Rugulopteryx_marginatus	New South Wales: Sydney Harbour: Vaucluse	Australia	-33.861396	151.287588
Rugulopteryx_marginatus	Victoria: Barwan Heads	Australia	-38.292	144.501
Rugulopteryx_marginatus	Tasmania: Bicheno: Bluestone Bay	Australia	-42.10115	148.331635
Rugulopteryx_marginatus	Victoria: Sorrento Ocean Beach	Australia	-38.348591	144.725607
Rugulopteryx_marginatus	Victoria: Point Lonsdale	Australia	-38.291149	144.590721
Rugulopteryx_marginatus	Victoria: Barwan Heads	Australia	-38.292	144.501
Rugulopteryx_marginatus	Victoria: Barwan Heads	Australia	-38.292	144.501
Rugulopteryx_marginatus	Victoria: Sorrento Ocean Beach	Australia	-38.348591	144.725607
Rugulopteryx_marginatus	Victoria: Barwan Heads	Australia	-38.292	144.501
Rugulopteryx_marginatus	Victoria: Barwan Heads	Australia	-38.292	144.501
Rugulopteryx_marginatus	New South Wales: Batemans Bay: Malua Bay	Australia	-35.784209	150.236723
Rugulopteryx_marginatus	Victoria: Black Rock	Australia	-37.973907	145.011879
Dilophus_fastigiatus	Victoria: Flinders	Australia	-38.4742	145.028
Dilophus_fastigiatus	Victoria: Phillip Island: San Remo	Australia	-38.521648	145.355643
Dictyota_polyclada1	South Australia: Gulf Saint Vincent: outside Tapley Shoal	Australia	-35.095369	137.802383

Dilophus_fastigiatus	Western Australia: Geraldton	Australia	-28.798863	114.586018
Dilophus_fastigiatus	Victoria: Flinders	Australia	-38.4742	145.028
Dilophus_fastigiatus	Victoria: Inverloch: Eagle's Nest	Australia	-38.672602	145.673722
Dilophus_fastigiatus	Victoria: Barwan Heads	Australia	-38.292	144.501
Dilophus_fastigiatus	Victoria: Flinders	Australia	-38.4742	145.028
Dilophus_fastigiatus	Victoria: Flinders	Australia	-38.4742	145.028
Dilophus_fastigiatus	Victoria: Sorrento	Australia	-38.351081	144.722297
Dilophus_fastigiatus	Victoria: Apollo Bay	Australia	-38.749179	143.677906
Dilophus_fastigiatus	Victoria: Point Lonsdale	Australia	-38.291149	144.590721
Dilophus_fastigiatus	Victoria: Torquay	Australia	-38.334313	144.331768
Dilophus_gunnianus	Victoria: Torquay	Australia	-38.334313	144.331768
Dilophus_gunnianus	Victoria: Flinders	Australia	-38.4742	145.028
Dilophus_gunnianus	Victoria: Flinders	Australia	-38.4742	145.028
Dilophus_gunnianus	Victoria: Flinders	Australia	-38.4742	145.028
Dilophus_gunnianus	Victoria: Walkerville	Australia	-38.852254	145.998059
Dilophus_gunnianus	Victoria: Flinders	Australia	-38.4742	145.028
Dilophus_gunnianus	Victoria: Flinders	Australia	-38.4742	145.028
Dilophus_gunnianus	Victoria: Flinders	Australia	-38.4742	145.028
Dilophus_gunnianus	Victoria: Flinders	Australia	-38.4742	145.028
Dilophus_gunnianus	Victoria: Eagle's Nest	Australia	-38.672602	145.673722
Dilophus_fastigiatus	Victoria: Flinders	Australia	-38.4742	145.028
Dictyota_intermedia	New South Wales: Batemans Bay: Malua Bay	Australia	-35.784209	150.236723
Dictyota_intermedia	New South Wales: Batemans Bay: Malua Bay	Australia	-35.784209	150.236723
Dictyota_nigricans	South Australia: Elliston Bay	Australia	-33.652123	134.880312
Dictyota_acutiloba1	Western Australia: Rottne Island: Point Clune	Australia	-31.9893	115.518
Dictyota_paniculata	South Australia: Carpenter Rocks	Australia	-37.91588	140.389505
Dictyota_diemensis	Tasmania: Marion Bay	Australia	-42.823167	147.874687
Dictyota_diemensis	Tasmania: Marion Bay	Australia	-42.803019	147.874684
Dictyota_intermedia	New South Wales: Hastings Point	Australia	-28.361804	153.581723
Dictyota_intermedia	New South Wales: Hastings Point	Australia	-28.361804	153.581723
Dictyota_bartayresiana	Nossi Bé: Palm Beach	Madagascar	-13.379714	48.191056

Dictyota_diemensis	South Australia: Elliston	Australia	-33.652123	134.880312
Dictyota_nigricans	South Australia: Isles of Saint Francis: Masillon Island	Australia	-32.555462	133.289104
Rugulopteryx_radicans	South Australia: Isles of Saint Francis: Egg Island	Australia	-32.472625	133.31471
Dictyota_furcellata	South Australia: Isles of Saint Francis: Egg Island	Australia	-32.471914	133.314342
Dictyota_intermedia	New South Wales: Ballina	Australia	-28.861239	153.600701
Rugulopteryx_marginatus	New South Wales: Ballina	Australia	-28.861239	153.600701
Dilophus_gunnianus	Victoria: Flinders	Australia	-38.4742	145.028
Dilophus_gunnianus	Victoria: Flinders	Australia	-38.4742	145.028
Dictyota_alternifida	South Australia: Investigator Strait	Australia	-35.555996	137.036431
Dictyota_alternifida	South Australia: West Island	Australia	-35.616659	138.576815
Dictyota_furcellata	South Australia: Investigator Strait	Australia	-35.555996	137.036431
Dictyota_paniculata	Tasmania: Bruny Island: Great Taylor Bay	Australia	-43.440282	147.202649
Dictyota_paniculata	South Australia: Kangaroo Island: Vivonne Bay	Australia	-35.987763	137.193303
Dictyota_furcellata	Victoria: Westernport Bay: Crawfish Rock	Australia	-38.270184	145.292172
Dictyota_polyclada1	South Australia: Elliston	Australia	-33.652123	134.880312
Dictyota_diemensis	South Australia: Point Avoid	Australia	-34.68333	135.31667
Dictyota_paniculata	South Australia: Point Avoid	Australia	-34.68333	135.31667
Dictyota_nigricans	Victoria: Walkerville	Australia	-38.852254	145.998059
Rugulopteryx_radicans	Victoria: Walkerville	Australia	-38.852254	145.998059
Dictyota_polyclada1	South Australia: off Semaphore	Australia	-34.83613	138.472683
Dictyota_paniculata	Western Australia: Cowaramup Bay	Australia	-33.850715	114.976889
Dictyota_paniculata	Western Australia: Geraldton: Point Moore	Australia	-28.786704	114.573687
Dictyota_diemensis	South Australia: Pondalowie Bay	Australia	-35.278141	136.945576
Dilophus_fastigiatus	South Australia: Isles of Saint Francis: Smooth Island	Australia	-32.482192	133.309716
Dictyota_alternifida	Tasmania: Wynyard	Australia	-40.983169	145.742347
Dictyota_diemensis	South Australia: Port Elliot	Australia	-35.533179	138.694715
Dictyota_polyclada	Western Australia: Rottneest Island: Rocky Bay	Australia	-32.018597	115.490625
Dilophus_fastigiatus	South Australia: Victor Harbour	Australia	-35.561485	138.620709
Dictyota_alternifida	South Australia: Cape Northumberland	Australia	-38.065019	140.666043
Rugulopteryx_marginatus	South Australia: Cape Northumberland	Australia	-38.064082	140.661926
Dictyota_furcellata	South Australia: Port Willunga	Australia	-35.257295	138.455656

Dictyota_intermedia	New South Wales: Norfolk Island	Australia	-29.045853	167.917303
Dictyota_intermedia	New South Wales: Jervis Bay	Australia	-35.054639	150.722041
Dilophus_fastigiatus	Western Australia: Bunbury	Australia	-33.312385	115.631484
Dilophus_fastigiatus	Western Australia: Rottnest Island	Australia	-32.0152	115.507
Dilophus_fastigiatus	Western Australia: Augusta	Australia	-34.36446	115.178011
Padina_boryana	Moorea	French Polynesia	-17.495883	-149.753217
Dictyota_diemensis	South Australia: Kangaroo Island: Vivonne Bay	Australia	-35.987763	137.193303
Rugulopteryx_radicans	Western Australia: Point Peron	Australia	-32.275816	115.685004
Dictyota_polyclada1	South Australia: Marion Bay	Australia	-42.823167	136.977696
Rugulopteryx_radicans	South Australia: Point Sinclair	Australia	-32.105644	132.988545
Padina_pavonica.1a	Akyaka	Turkey	37.034393	28.213187
Dictyota_intermedia	New South Wales: Coffs Harbour: Muttonbird Island	Australia	-30.303079	153.154722
Padina_arborescens.b	Golfo de California: Baja California Sur: Playa El Huerfanito	Mexico	30.132952	-114.630616
Padina_arborescens.c	Golfo de California: Baja California Sur: Playa El Huerfanito	Mexico	30.132952	-114.630616
Padina_arborescens.b	Golfo de California: Sonora: Isla Miramar	Mexico	27.919773	-110.94719
Padina_arborescens.c	Golfo de California: Sonora: Isla Miramar	Mexico	27.919773	-110.94719
Padina_crassa.a	Golfo de California: Baja California Sur: Calerita	Mexico	24.339126	-110.315072
Padina_arborescens.c	Baja California Sur: Golfo de California: Punta Arenas	Mexico	24.063223	-109.835041
Padina_arborescens.c	Golfo de California: Baja California Sur: Isla San Pedro Martir	Mexico	28.387046	-112.311645
Padina_durvillei	Sinaloa: Los Cerritos	Mexico	23.304833	-106.494848
Padina_arborescens.c	Baja California Sur: La Guanera, Isla Natividad	Mexico	27.895718	-115.204641
Padina_sanctaecrucis.1	Okinawa: Amami-Oshima Island: Kasari	Japan	28.427028	129.509363
Padina_undulata.jonesii	Okinawa, Amami-Oshima Island, Ishi	Japan	28.247193	129.475068
Dictyota_dichotoma1	Baleares: Menorca: Ciutadella: Calles Piques	Spain	40.008	3.79555
Dictyota_dichotoma1	Cataluña: Tossa de Mar	Spain	41.715	2.93245
Dictyota_dichotoma1	Scotland: Tainish	United Kingdom	55.983993	-5.63882
Dictyota_dichotoma1	Scotland: Tainish	United Kingdom	55.983993	-5.63882
Dictyota_pfaffii2	tombant J Pat	La Réunion	-21.05578	55.221223
Dictyota_friabilis1.b	Anse des cascades	La Réunion	-21.186415	55.826707
Dictyota_pfaffii2	Anse des cascades	La Réunion	-21.186415	55.826707
Dictyota_hamifera	coulée 2007	La Réunion	-21.2845	55.809277

Dictyota_friabilis1.b	coulée 1977	La Réunion	-21.165326	55.833842
Dictyota_stolonifera	grand tombant	La Réunion	-21.05578	55.221223
Dictyota_pfaffii2	R9	La Réunion	-21.05578	55.221223
Dictyota_stolonifera	grand tombant	La Réunion	-21.05578	55.221223
Dictyopteris_delicatula3	MOM-R4	La Réunion	-21.05578	55.221223
Dictyota_pfaffii2	Anse des cascades	La Réunion	-21.186415	55.826707
Dictyota_dhofarensis	Ash-Sharqiyah: Al-Ashqarah	Oman	21.83948	59.57513
Dictyota_dichotoma1	Canary Islands: Tenerife: Los Gigantes: Playa de las Arenas	Spain	28.371414	-16.871501
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta de Teno	Spain	28.342603	-16.919463
Dictyota_pfaffii	Canary Islands: Tenerife: Punta de Teno	Spain	28.342603	-16.919463
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta de Teno	Spain	28.342603	-16.919463
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_sp3	Canary Islands: Tenerife: Las Galletas	Spain	28.006457	-16.652577
Dictyota_sp3	Canary Islands: Tenerife: Las Galletas	Spain	28.006457	-16.652577
Dictyota_sp3	Canary Islands: Tenerife: Las Galletas	Spain	28.006457	-16.652577
Dictyota_sp3	Canary Islands: Tenerife: Las Galletas	Spain	28.006457	-16.652577
Dictyota_pfaffii	Canary Islands: Tenerife: Abades	Spain	28.141477	-16.437931
Dictyota_pfaffii	Canary Islands: Tenerife: Abades	Spain	28.141477	-16.437931
Dictyota_spiralis1	Canary Islands: Tenerife: Abades	Spain	28.141477	-16.437931
Canistrocarpus_cervicornis	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_spiralis1	Canary Islands: Tenerife: Los Gigantes: Playa de las Arenas	Spain	28.371414	-16.871501
Dictyota_implexa	Canary Islands: Tenerife: Los Gigantes: Playa de las Arenas	Spain	28.371414	-16.871501

Dictyota_canariensis	Canary Islands: Tenerife: Los Gigantes: Playa de las Arenas	Spain	28.371414	-16.871501
Dictyota_canariensis	Canary Islands: Tenerife: Los Gigantes: Playa de las Arenas	Spain	28.371414	-16.871501
Dictyota_canariensis	Canary Islands: Tenerife: Los Gigantes: Playa de las Arenas	Spain	28.371414	-16.871501
Padina_australis	New South Wales: Newcastle	Australia	-32.92765	151.79194
Styopodium_sp1	Okinawa Prefecture: Okinawa Island: Awase	Japan	26.313784	127.850901
Padina_melemele.e	Hawaii	Hawaii	19.243763	-155.057875
Padina_melemele.e	Hawaii	Hawaii	19.243763	-155.057875
Padina_melemele.e	Hawaii	Hawaii	19.243763	-155.057875
Dictyota_implexa	Sail Rock	Panama	9.44148	-82.32453
Dictyota_jamaicensis	Bocas del Toro: Isla Colon: Fort Randolph	Panama	9.342699	-79.909357
Dictyota_implexa	Long Bay Point	Panama	9.3955	-82.23146
Dictyota_implexa	Barren Rock	Panama	9.34595	-82.17367
Dictyota_implexa	Cayo Nancy Mangrove Key	Panama	9.29055	-82.1598
Dictyota_implexa	Cayos Zappatillas	Panama	9.26746	-82.05314
Dictyota_canaliculata2.c	Chuuk Islands: Mochun Tauanap	Micronesia	7.471167	151.5751
Dictyota_grossedentata	Chuuk Islands: Fanamu	Micronesia	7.363183	151.924067
Dictyota_grossedentata	Chuuk Islands: Anangen Sopun Ufou	Micronesia	7.484083	151.8928
Padina_pavonica.1c	Cannes	France	43.542091	7.001639
Padina_pavonica.1c	Cannes	France	43.542091	7.001639
Dictyota_dichotoma1	Puerto Madryn	Argentina	-42.779711	-65.001292
Dictyota_dichotoma1	Puerto Madryn	Argentina	-42.779711	-65.001292
Dictyota_dichotoma1	Puerto Madryn	Argentina	-42.779711	-65.001292
Dictyota_dichotoma1	Puerto Madryn	Argentina	-42.779711	-65.001292
Dictyota_sp19	Roca Tres Hermanas, PNMB	Costa Rica	9.104122	-83.707861
Dictyota_sp20	Roca Tres Hermanas, PNMB	Costa Rica	9.104122	-83.707861
Padina_psbA.sp10	Bajo Tres Hermanas	Costa Rica	9.107125	-83.710925
Padina_psbA.sp10	Bajo Tres Hermanas	Costa Rica	9.107125	-83.710925
Padina_psbA.sp9	Punta Dominicalito	Costa Rica	9.221944	-83.838611
Padina_psbA.sp6	Punta Dominicalito	Costa Rica	9.221944	-83.838611
Dictyota_sp20	Isla del Caño: Catarata 2	Costa Rica	8.706667	-83.866361
Dictyota_ceylanica5	Isla del Caño: Catarata 2	Costa Rica	8.706667	-83.866361

Padina_psbA.sp9	Isla del Caño: La Cueva del Tiburón	Costa Rica	8.712694	-83.889778
Dictyota_sp19	Isla del Caño: La Cueva del Tiburón	Costa Rica	8.712694	-83.889778
Dictyota_sp20	Isla del Caño: La Cueva del Tiburón	Costa Rica	8.712694	-83.889778
Dictyota_sp20	Isla del Caño: La Cueva del Tiburón	Costa Rica	8.712694	-83.889778
Dictyota_sp20	Bahia salinas: Isla Bolanos	Costa Rica	11.048222	-85.711972
Dictyota_sp20	Bahia salinas: Isla Bolanos	Costa Rica	11.048222	-85.711972
Dictyota_sp19	Bahia salinas: Isla Bolanos	Costa Rica	11.048222	-85.711972
Dictyota_sp20	Bahia salinas: Isla Bolanos	Costa Rica	11.048222	-85.711972
Dictyota_sp20	Bahia salinas: Isla Bolanos	Costa Rica	11.048222	-85.711972
Dictyota_sp20	Bahía Salinas: La Paloma	Costa Rica	11.033361	-85.749833
Dictyota_sp19	Bahía Salinas: La Paloma	Costa Rica	11.033361	-85.749833
Padina_crassa.a	Bahia Salinas: Isla Despensa	Costa Rica	11.002639	-85.747556
Dictyota_sp19	Bahía Culebra: La Penca	Costa Rica	10.574778	-85.698056
Dictyota_humifusa	Bahía Culebra: La Penca	Costa Rica	10.574778	-85.698056
Dictyota_humifusa	Bahía Culebra: Cacique	Costa Rica	10.573694	-85.699056
Padina_arborescens.a	Bahia Culebra: Punta Arenita	Costa Rica	10.604778	-85.648361
Dictyota_humifusa	Costa Rica: Bahía Culebra: Bahía Virador	Costa Rica	10.614333	-85.690278
Padina_concrescens	Bahia Culebra: Bahia Virador	Costa Rica		
Dictyota_sp20	Cabo Vela: PNM Baulas	Costa Rica	10.347778	-85.869472
Dictyota_humifusa	Cabo Vela: PNM Baulas	Costa Rica	10.347778	-85.869472
Padina_arborescens.a	Los Conejos: PNM Baulas	Costa Rica	10.368111	-85.864694
Dictyota_sp20	Golfo de Nicoya: Isla Negritos	Costa Rica	9.816444	-84.863528
Dictyota_sp19	Golfo de Nicoya: Isla Negritos	Costa Rica	9.816444	-84.863528
Padina_concrescens	Golfo de Nicoya: Isla Negritos	Costa Rica	9.816444	-84.863528
Padina_psbA.sp10	Golfo de Nicoya: Isla Negritos	Costa Rica	9.816444	-84.863528
Dictyota_humifusa	Costa Rica: Golfo de Nicoya: Islas Tortugas: Tolinga	Costa Rica	9.763972	-84.897528
Padina_psbA.sp10	Costa Rica: Golfo de Nicoya: Islas Tortugas: Tolinga	Costa Rica	9.763972	-84.897528
Dictyota_sp20	Costa Rica: Golfo de Nicoya: Islas Tortugas: Tolinga	Costa Rica	9.763972	-84.897528
Padina_psbA.sp9	Costa Rica: Golfo de Nicoya: Islas Tortugas: Tolinga	Costa Rica	9.763972	-84.897528
Padina_psbA.sp6	Isla del Coco: Punta Ulloa	Costa Rica	5.545083	-87.058727
Dictyota_sp20	La Unión: Golfo de Fonseca: Pirigallo Sur	El Salvador	13.166722	-87.68575

Padina_psbA.boryana	La Unión: Golfo de Fonseca: Pirigallo Oeste	El Salvador	13.174333	-87.687306
Dictyota_sp19	La Unión: Golfo de Fonseca: Pirigallo Oeste	El Salvador	13.174333	-87.687306
Padina_arborescens.a	El Salvador: La Unión: Golfo de Fonseca: Pirigallo Este	El Salvador	13.171222	-87.684361
Padina_arborescens.a	El Salvador: La Unión: Golfo de Fonseca: Pirigallo Este	El Salvador	13.171222	-87.684361
Padina_crassa.a	Los Cobanos: Playa El Faro	El Salvador	13.522028	-89.807417
Dictyota_humifusa	Los Cobanos: La Pared	El Salvador	13.503028	-89.811194
Dictyota_sp19	Los Cobano: La Loredona	El Salvador	13.515556	-89.840806
Dictyota_ceylanica5	Oaxaca: Puerto Angel: Playa el Panteon	Mexico	15.664033	-96.495417
Dictyota_humifusa	Oaxaca: Puerto Angel: Playa el Panteon	Mexico	15.664033	-96.495417
Dictyota_ceylanica5	Oaxaca: Puerto Angel: Playa el Panteon	Mexico	15.664033	-96.495417
Padina_arborescens.a	Oaxaca: Puerto Angel: Playa el Panteon	Mexico	15.664033	-96.495417
Dictyota_ceylanica5	Oaxaca: Puerto Angel: Playa el Panteon	Mexico	15.664033	-96.495417
Dictyota_crenulata	Oaxaca: Bahia de Huatulco: Togolunda	Mexico	15.665	-96.49625
Dictyota_sp20	Oaxaca: Bahia de Huatulco: Togolunda	Mexico	15.665	-96.49625
Dictyota_ceylanica5	Oaxaca: Mazunte: Mazunte Beach	Mexico	15.66045	-96.55525
Padina_arborescens.a	Oaxaca: Mazunte: Mazunte Beach	Mexico	15.66045	-96.55525
Padina_arborescens.a	Oaxaca: Puerto Escondido: Bahia Puerto Angelito	Mexico	15.023867	-97.0744
Dictyota_ceylanica5	Oaxaca: Puerto Escondido: Bahia Puerto Angelito	Mexico	15.8572	-97.0744
Dictyota_humifusa	Oaxaca: Puerto Escondido: Bahia Puerto Angelito	Mexico	15.85755	-97.065667
Dictyota_sp20	Oaxaca: Puerto Escondido: Bahia Puerto Angelito	Mexico	15.85755	-97.065667
Padina_psbA.sp10	Oaxaca: Puerto Escondido	Mexico	15.864967	-97.11005
Padina_arborescens.a	Guerrero: Acapulco: Canal de Boca Chica: Isla Roqueta	Mexico	16.82375	-99.914317
Dictyota_ceylanica5	Guerrero: Acapulco: Canal de Boca Chica: Isla Roqueta	Mexico	16.82375	-99.914317
Dictyota_sp20	Guerrero: Acapulco: Isla Virgen	Mexico	16.824554	-99.90088
Dictyota_sp20	Guerrero: Zihuatanejo: Manzanillo	Mexico	17.621	-101.521667
Dictyota_ceylanica5	Guerrero: Zihuatanejo: Manzanillo	Mexico	17.621	-101.521667
Padina_psbA.sp10	Guerrero: Zihuatanejo: Caleta de Chon	Mexico	17.615633	-101.555233
Dictyota_concrescens	Colima: Manzanillo: Playa la Audiencia	Mexico	19.105	-104.352033
Padina_crassa.a	Colima: Manzanillo: Playa la Audiencia	Mexico	19.105	-104.352033
Padina_psbA.sp9	Colima: Manzanillo: Playa la Audiencia	Mexico	19.105	-104.352033
Padina_arborescens.a				

Padina_crassa.a	Jalisco: Puerto Vallarta: Playa Mismaloya	Mexico	20.532117	-105.2933
Padina_psbA.sp11	Jalisco: Puerto Vallarta: Playa Mismaloya	Mexico	20.532117	-105.2933
Dictyota_sp20	Jalisco: Puerto Vallarta: Majahuilas	Mexico	20.506833	-105.39285
Dictyota_sp21	Jalisco: Puerto Vallarta: Caletas	Mexico	20.504983	-105.374667
Dictyota_crenulata	Jalisco: Puerto Vallarta: Caletas	Mexico	20.504983	-105.374667
Dictyota_sp20	Jalisco: Puerto Vallarta: Colomitos	Mexico	20.51265	-105.325533
Padina_psbA.sp9	Nicaragua: LeSn: Playa El Trβnsito	Nicaragua	12.048389	-86.704722
Padina_psbA.sp10	San Juan del sur: La Flor	Nicaragua	11.135833	-85.801167
Dictyota_humifusa	San Juan del sur: La Flor	Nicaragua	11.135833	-85.801167
Padina_psbA.sp10	Nicaragua: San Juan del Sur: La Cagada	Nicaragua	11.12325	-85.795306
Dictyota_sp20	Nicaragua: San Juan del Sur: La Cagada	Nicaragua	11.12325	-85.795306
Dictyota_sp20	Nicaragua: San Juan del Sur: La Cagada	Nicaragua	11.12325	-85.795306
Dictyota_sp20	Nicaragua: San Juan del Sur: La Cagada	Nicaragua	11.12325	-85.795306
Padina_psbA.sp10	Nicaragua: Rivas: La Pe±a Rota	Nicaragua	11.233417	-85.867083
Dictyota_sp20	Rivas: La Pe±a Rota	Nicaragua	11.2334	-85.8671
Dictyota_sp20	Rivas: La Pe±a Rota	Nicaragua	11.2334	-85.8671
Dictyota_sp20	Rivas: La Pe±a Rota	Nicaragua	11.2334	-85.8671
Dictyota_sp20	Rivas: La Pe±a Rota	Nicaragua	11.2334	-85.8671
Dictyota_sp19	Rivas: La Pe±a Rota	Nicaragua	11.2334	-85.8671
Padina_psbA.sp10	Nicaragua: Rivas: La Pe±a Rota	Nicaragua	11.233417	-85.867083
Dictyota_sp20	Rivas: La Pe±a Rota	Nicaragua	11.2334	-85.8671
Dictyota_humifusa	Gigante	Nicaragua	11.385528	-86.036778
Dictyota_sp20	Gigante	Nicaragua	11.385528	-86.036778
Dictyota_sp20	La Anciana	Nicaragua	11.352944	-86.002222
Dictyota_sp20	La Anciana	Nicaragua	11.352944	-86.002222
Padina_psbA.sp10	Guacalito	Nicaragua	11.354806	-86.001917
Dictyota_sp19	Guacalito	Nicaragua	11.354806	-86.001917
Dictyota_sp20	Guacalito	Nicaragua	11.354806	-86.001917
Dictyota_sp20	Guacalito	Nicaragua	11.354806	-86.001917
Dictyota_sp20	Guacalito	Nicaragua	11.354806	-86.001917
Padina_psbA.sp10	Nicaragua: Rivas: Punta El Clavo	Nicaragua	11.320167	-85.945278

Dictyota_sp20	Nicaragua: Rivas: Costa Blanca	Nicaragua	11.315889	-85.939972
Padina_crassa.a	Nicaragua: Managua: Masachapa	Nicaragua	11.783694	-86.517583
Padina_psbA.sp10	Nicaragua: Managua: Masachapa	Nicaragua	11.783694	-86.517583
Padina_arborescens.a	Nicaragua: Managua: Masachapa	Nicaragua	11.783694	-86.517583
Dictyota_sp19	León: Playa Hermosa	Nicaragua	12.106028	-86.735889
Padina_arborescens.a	León: Playa Hermosa	Nicaragua	12.106028	-86.735889
Padina_crassa.a	Golfo de Chiriqui	Panama	8.229546	-82.533216
Dictyota_sp19	Islotes antes de Saboga	Panama	8.638117	-79.055233
Dictyota_sp19	Islotes antes de Saboga	Panama	8.638117	-79.055233
Padina_durvillei	Isla Taboga	Panama	8.78129	-79.558872
Dictyota_humifusa	Isla Saboga	Panama	8.628867	-79.05515
Padina_durvillei	Isla Taboga	Panama	8.78129	-79.558872
Dictyota_humifusa	Isla Pacheca	Panama	8.66215	-79.053317
Padina_arborescens.a	Otoque Sur	Panama	8.56765	-79.5909
Dictyota_sp19	Otoque Sur	Panama	8.56765	-79.5909
Padina_durvillei	Isla Taboga	Panama	8.78129	-79.558872
Dictyota_humifusa	Isla Taboga	Panama	8.789383	-79.54565
Dictyota_sp19	Isla Mogo-Mogo	Panama	8.5782	-79.0283
Padina_arborescens.a	Isla Contadora	Panama	8.628017	-79.027133
Dictyota_sp19	Isla Pedro González: Islote Trapiche	Panama	8.4259	-79.10915
Padina_arborescens.a	Isla Pedro González: Islote Trapiche	Panama	8.4259	-79.10915
Padina_arborescens.c		Japan	36.17144	140.616005
Padina_arborescens.c		Japan	36.17144	140.616005
Dictyota_dichotoma1	Canary Islands: Gran Canaria: Arguineguin	Spain	27.754307	-15.666516
Padina_gymnospora.e	St. George's Island: Whale Bone Bay	Bermuda	32.3647	-64.7137
Dictyota_mertensii1	Warwick: Long Bay	Bermuda	32.255433	-64.811243
Dictyota_sp15	Warwick: Long Bay	Bermuda	32.255433	-64.811243
Dictyota_pinnatifida	Warwick: Long Bay	Bermuda	32.255433	-64.811243
Dictyota_implexa	Saint George	Bermuda	32.3569	-64.6837
Dictyota_pinnatifida	Horseshoe Bay	Bermuda	32.250896	-64.821293
Dictyota_implexa	Santa Marta: Punta La Loma	Colombia	11.125	-74.29167

Dictyota_dichotoma1	Cataluña: Palamós: Illes Formigues	Spain	41.85	3.18333
Canistrocarpus_cervicornis	Madang Province: Madang: Nagada Harbour	Papua New Guinea	-5.15775	145.798
Dictyota_friabilis1	Madang Province: Madang: Tripod Reef	Papua New Guinea	-5.153033	145.79486
Dictyota_friabilis1	Madang Province: Madang: Yazi Tinan	Papua New Guinea	-5.1061	145.814
Dictyota_friabilis1	Madang Province: Madang: Wongat Island	Papua New Guinea	-5.13463	145.811
Dictyota_friabilis1	Madang Province: Madang: Wongat Island	Papua New Guinea	-5.13511	145.822
Dictyota_adnata	Madang Province: Madang: Demasa Island	Papua New Guinea	-5.14502	145.81
Canistrocarpus_cervicornis	Madang Province: Madang: Malamal Island	Papua New Guinea	-5.12152	145.805
Dictyota_friabilis1	Madang Province: Madang: Yazi Tinan	Papua New Guinea	-5.1061	145.814
Dictyota_friabilis1	Madang Province: Madang: Yazi Tinan	Papua New Guinea	-5.1061	145.814
Canistrocarpus_cervicornis	Madang Province: Madang: Yazi Tinan	Papua New Guinea	-5.1061	145.814
Dictyota_friabilis1	Madang Province: Madang: between Tausch and Sek Island	Papua New Guinea	-5.1061	145.814
Canistrocarpus_cervicornis	Madang Province: Madang: between Tausch and Sek Island	Papua New Guinea	-5.1061	145.814
Canistrocarpus_cervicornis	Madang Province: Madang: between Tausch and Sek Island	Papua New Guinea	-5.1061	145.814
Dictyota_friabilis1	Madang Province: Madang: Wongat Island	Papua New Guinea	-5.13511	145.822
Dictyota_friabilis1	Madang Province: Madang: Tab Island	Papua New Guinea	-5.16954	145.837
Canistrocarpus_crispatus	Madang Province: Bagabag: Christmas Bay	Papua New Guinea	-4.81367	146.199
Dictyota_friabilis1	Madang Province: Bagabag: Christmas Bay	Papua New Guinea	-4.81938	146.206
Dictyota_hamifera	Madang Province: Bagabag: Christmas Bay	Papua New Guinea	-4.81367	146.199
Dictyota_friabilis1	Madang Province: Bagabag: Christmas Bay	Papua New Guinea	-4.81367	146.199
Dictyota_stolonifera	Madang Province: Bagabag: Christmas Bay	Papua New Guinea	-4.81938	146.206
Dictyota_bartayresiana	Madang Province: Madang: Gossem Island	Papua New Guinea	-5.15633	145.806
Canistrocarpus_cervicornis	Madang Province: Madang: Gossem Island	Papua New Guinea	-5.15633	145.806
Canistrocarpus_cervicornis	Madang Province: Madang: Gossem Island	Papua New Guinea	-5.15633	145.806
Dictyota_friabilis1	Madang Province: Bagabag: Badilu Village	Papua New Guinea	-4.79442	146.197
Canistrocarpus_crispatus	Madang Province: Madang: Gossem Island	Papua New Guinea	-5.15569	145.806
Dictyota_friabilis1	Madang Province: Madang: Sek Island	Papua New Guinea	-5.09317	145.819
Canistrocarpus_cervicornis	Madang Province: Malala Mission	Papua New Guinea	-4.44403	145.361
Dictyota_friabilis1	Madang Province: Malala Mission	Papua New Guinea	-4.44403	145.361
Canistrocarpus_cervicornis	Madang Province: Bogia: Hansa Bay: Awaro	Papua New Guinea	-4.14217	144.85
Dictyota_friabilis1	Madang Province: Bogia: Hansa Bay: Boisa Island	Papua New Guinea	-3.9967	144.966

<i>Canistrocarpus_cervicornis</i>	Madang Province: between Sarang Harbour and Walog	Papua New Guinea	-4.77949	145.713
<i>Dictyota_friabilis1</i>	Madang Province: Madang: Kranket Island: Magic Pass	Papua New Guinea	-5.208708	145.817989
<i>Padina_okinawaensis.c</i>	Moorea	French Polynesia	-17.551773	-149.898939
<i>Padina_boryana</i>	Moorea	French Polynesia	-17.551773	-149.898939
<i>Dictyota_coriacea</i>	California: Dana Point	U.S.A.	33.4591	-117.718
<i>Dictyota_coriacea</i>	California: Dana Point	U.S.A.	33.4591	-117.718
<i>Dictyota_coriacea</i>	California: Dana Point	U.S.A.	33.4591	-117.718
<i>Dictyota_implexa</i>	Lee Stocking Island: Transect BA	Bahamas	23.4678	-76.05
<i>Dictyota_kunthii</i>	Pan de Az-car	Chile	-26.1512	-70.67
<i>Dictyota_kunthii</i>	Pan de Azúcar	Chile	-26.1512	-70.67
<i>Dictyota_kunthii</i>	Maitencillo	Chile	-31.4697	-71.5881
<i>Dictyota_kunthii</i>	Maitencillo	Chile	-31.4697	-71.5881
<i>Dictyota_kunthii</i>	Maitencillo	Chile	-31.4697	-71.5881
<i>Taonia_atomaria4</i>	Porto Covo	Portugal	37.8272	-8.7922
<i>Dictyota_kunthii</i>	Wellington: Cape Palliser	New Zealand	-41.6164	175.283
<i>Dilophus_fastigiatus</i>	South Australia: Kangaroo Island: Pennington Bay	Australia	-35.857405	137.744336
<i>Rugulopteryx_radicans</i>	South Australia: Kangaroo Island: Antechamber Bay	Australia	-35.805154	138.099381
<i>Dictyota_bartayresiana</i>	Queensland: Palfrey Island	Australia	-14.688333	145.445277
<i>Rugulopteryx_radicans</i>	South Australia: Spencer Gulf: Sir Joseph Banks Group: Stickney	Australia	-34.680023	136.27338
<i>Dilophus_fastigiatus</i>	South Australia: Spencer Gulf: Sir Joseph Banks Group: Spilsby	Australia	-34.648631	136.333891
<i>Dilophus_fastigiatus</i>	South Australia: Spencer Gulf: Sir Joseph Banks Group: Spilsby	Australia	-34.648631	136.333891
<i>Dilophus_gunnianus</i>	South Australia: Spencer Gulf: Sir Joseph Banks Group: Langton	Australia	-34.592842	136.251572
<i>Dictyota_sandvicensis2</i>	Queensland: Heron Island	Australia	-23.433517	151.92695
<i>Dictyota_friabilis1</i>	Western Australia: Ningaloo Reef	Australia	-22.62148	113.6425
<i>Dictyota_canaliculata2.b</i>	Queensland: Lizard Island	Australia	-14.653055	145.44944
<i>Dictyota_rigida3</i>	Western Australia: Ningaloo Reef	Australia	-22.67118	113.6424
<i>Dictyota_canaliculata2.b</i>	Queensland: Lizard Island: Watsons Bay	Australia	-14.663056	145.45
<i>Dictyota_canaliculata2.b</i>	Queensland: Lizard Island: Bommie lagoon entrance	Australia	-14.689722	145.46555
<i>Dictyota_ciliolata</i>	Lord Howe Island: Kissing Point	Australia	-31.550835	159.073596
<i>Canistrocarpus_cervicornis</i>	Western Australia: Broome: Flat Rocks	Australia	-17.89708	122.210741
<i>Dictyota_canariensis</i>	Canary Islands: Tenerife: Playa de El Socorro	Spain	28.321664	-16.360208

Dictyota_pleiacantha1	Canary Islands: Tenerife: Playa de El Socorro	Spain	28.321664	-16.360208
Dictyota_cymatophila	Canary Islands: Fuerteventura: Punta Jandía: Caleta del ojo	Spain	28.051688	-14.376326
Canistrocarpus_cervicornis	Canary Islands: Fuerteventura: Punta Jandía: Caleta del ojo	Spain	28.051688	-14.376326
Dictyota_dichotoma1	Canary Islands: Fuerteventura: Punta Jandía: Caleta del ojo	Spain	28.051688	-14.376326
Canistrocarpus_cervicornis	Canary Islands: Fuerteventura: Punta Jandía: Caleta del ojo	Spain	28.051688	-14.376326
Dictyota_fasciola	Canary Islands: El Hierro	Spain	27.638319	-17.984876
Dictyota_fasciola	Canary Islands: El Hierro	Spain	27.638319	-17.984876
Dictyota_cyanoloma	Canary Islands: El Hierro	Spain	27.638319	-17.984876
Dictyota_cyanoloma	Canary Islands: El Hierro	Spain	27.638319	-17.984876
Dictyota_ciliolata	Western Australia: James Price Point	Australia	-17.488759	122.140093
Dictyota_dichotoma1	Huelva: Cartaya: Nuevo Portil	Spain	37.211069	-7.078601
Dilophus_gunnianus	Victoria: Bellarine Peninsula: Queenscliff: Queenscliff Beach	Australia	-38.270374	144.663278
Dictyota_ceylanica5	Principe: Praia das Burras	Sao Tome and Principe	1.683908	7.433267
Dictyota_ceylanica5	Principe: Praia das Burras	Sao Tome and Principe	1.683908	7.433267
Dictyota_sp12	Western Australia: Kimberley: Adele Island	Australia	-15.5192	123.1957
Canistrocarpus_cervicornis	Western Australia: Kimberley: Adele Island	Australia	-15.5283	123.1935
Canistrocarpus_cervicornis	Western Australia: Kimberley: Adele Island	Australia	-15.5816	123.1632
Padina_australis	Western Australia: Kimberley: Montgomery Reef	Australia	-15.8969	124.3255
Canistrocarpus_cervicornis	Western Australia: Kimberley: Montgomery Reef	Australia	-15.8554	124.3146
Canistrocarpus_cervicornis	Western Australia: Kimberley: Montgomery Reef	Australia	-16.0207	124.1591
Dictyota_ciliolata	Western Australia: Kimberley: Montgomery Reef	Australia	-15.9681	124.282
Dictyota_bartayresiana	Western Australia: Kimberley: Montgomery Reef	Australia	-16.0144	124.17315
Dilophus_robustus2	Western Australia: Yallingup: Canal Rocks	Australia	-33.669519	114.994471
Rugulopteryx_radicans	Western Australia: Yallingup: Canal Rocks	Australia	-33.669519	114.994471
Dictyota_intermedia	Queensland: Yeppoon: Keppel Bay	Australia	-23.136	150.76
Dictyota_ciliolata	Queensland: Yeppoon: Keppel Bay	Australia	-23.136	150.76
Dictyota_dichotoma1	Western Cape Province: Cape Peninsula: Bortjesrif	South Africa	-34.31574	18.469455
Dictyota_sp7	Western Cape Province: Cape Peninsula: Bortjesrif	South Africa	-34.31574	18.469455
Exallosorus_harveyanus	Western Cape Province: Cape Peninsula: Bortjesrif	South Africa	-34.31574	18.469455
Exallosorus_harveyanus	Western Cape Province: Cape Peninsula: Bortjesrif	South Africa	-34.31574	18.469455
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251

<i>Dictyota_ciliolata</i>	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
<i>Canistrocarpus_cervicornis</i>	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
<i>Dictyota_pleiacantha1</i>	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
<i>Rugulopteryx_okamurae</i>	Haegeumgang	Korea	34.732615	128.634178
<i>Dictyota_sp7</i>	Western Cape Province: Plettenberg Bay: Keurboomstrand	South Africa	-34.013	23.4544
<i>Dictyota_sp7</i>	Western Cape Province: Plettenberg Bay: Keurboomstrand	South Africa	-34.013	23.4544
<i>Zonaria_tournefortii</i>	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
<i>Dictyota_kunthii</i>	San Lorenzo Island	Peru	-12.065945	-77.252863
<i>Dictyota_kunthii</i>	San Lorenzo Island	Peru	-12.065945	-77.252863
<i>Dictyota_kunthii</i>	San Lorenzo Island	Peru	-12.065945	-77.252863
<i>Dictyota_kunthii</i>	San Lorenzo Island	Peru	-12.065945	-77.252863
<i>Canistrocarpus_cervicornis</i>	Taiwan	Taiwan	22.157733	120.624089
<i>Dictyota_stolonifera</i>	Taiwan	Taiwan	22.157733	120.624089
<i>Dictyota_fasciola</i>	Canary Islands: Lanzarote: Famara	Spain	29.11924	-13.563506
<i>Dictyota_dichotoma1</i>	Canary Islands: Lanzarote: Famara	Spain	29.11924	-13.563506
<i>Dictyota_pfaffii</i>	Canary Islands: Lanzarote: Famara	Spain	29.11924	-13.563506
<i>Dictyota_dichotoma1</i>	Canary Islands: Lanzarote: Famara	Spain	29.11924	-13.563506
<i>Dictyota_spiralis1</i>	Canary Islands: Lanzarote: Famara	Spain	29.11924	-13.563506
<i>Dictyota_sp1</i>	Canary Islands: Lanzarote: Famara	Spain	29.11924	-13.563506
<i>Taonia_atomaria</i>	Canary Islands: Lanzarote: Famara	Spain	29.11924	-13.563506
<i>Padina_gymnospora.a</i>	Canary Islands: Lanzarote: Famara	Spain	29.11924	-13.563506
<i>Dictyota_sp1</i>	Canary Islands: Lanzarote: Puerto Carmen	Spain	28.918954	-13.666315
<i>Dictyota_implexa</i>	Canary Islands: Lanzarote: Puerto Carmen	Spain	28.918954	-13.666315
<i>Dictyota_dichotoma1</i>	Canary Islands: La Graciosa: Playa de las Cocinas	Spain	29.220351	-13.542283
<i>Dictyota_pfaffii</i>	Canary Islands: La Graciosa: Caleta del Sebo	Spain	29.225329	-13.504717
<i>Dictyota_fasciola</i>	Canary Islands: La Graciosa: Caleta del Sebo	Spain	29.225329	-13.504717
<i>Dictyota_implexa</i>	Canary Islands: La Graciosa: Caleta del Sebo	Spain	29.225329	-13.504717
<i>Dictyota_spiralis</i>	Canary Islands: La Graciosa: Caleta del Sebo	Spain	29.225329	-13.504717
<i>Taonia_atomaria</i>	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
<i>Taonia_atomaria</i>	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
<i>Taonia_atomaria</i>	Canary Islands: Tenerife: La Guancha: Charco del Viento	Spain	28.401381	-16.673028

Stypopodium_zonale	Canary Islands: Tenerife: La Guancha: Charco del Viento	Spain	28.401381	-16.673028
Dictyota_spiralis3	Canary Islands: Tenerife: La Guancha: Charco del Viento	Spain	28.401381	-16.673028
Dictyota_implexa	Canary Islands: Tenerife: La Guancha: Charco del Viento	Spain	28.401381	-16.673028
Dictyota_pfaffii	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_cymatophila	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_canaliculata2.c	***	New Caledonia		
Dictyota_canaliculata4	***	New Caledonia		
Dictyota_spiralis3	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_stolonifera	***	New Caledonia		
Dictyota_canaliculata2.c	***	New Caledonia		
Dictyota_bartayresiana		New Caledonia		
Dictyota_stolonifera	***	New Caledonia		
Dictyota_pfaffii	***	New Caledonia		
Dictyota_pfaffii	***	New Caledonia		
Dictyota_sp31	***	New Caledonia		
Dictyota_sp12				
Dictyota_canaliculata3	***	New Caledonia		
Dictyota_canaliculata2.c	***	New Caledonia		
Canistrocarpus_cervicornis	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_stolonifera	***	New Caledonia		
Dictyota_pleiocantha1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyopteris_delicatula3	Saint Paul: Boucan Canot	La Réunion	-21.026197	55.225792
Dictyota_pfaffii	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyopteris_polypodioides	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483
Dictyota_canariensis	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483
Dictyota_spiralis	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483
Dictyota_sp3	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483

Dictyota_dichotoma1	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483
Dictyota_sp1	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483
Dictyota_pleioacantha1	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483
Dictyota_implexa	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483
Dictyota_sp1	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483
Dictyota_fasciola	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_pfaffii	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_pfaffii	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_sp7	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma	Rio Negro: San Antonio: Las Gruttas	Argentina	-40.82561	-65.103987
Dictyota_dichotoma	Rio Negro: San Antonio: Las Gruttas	Argentina	-40.82561	-65.103987
Dictyota_dichotoma	Rio Negro: San Antonio: Las Gruttas	Argentina	-40.82561	-65.103987
Styopodium_zonale	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Taonia_atomaria	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma	Antibes: Baie d'Antibes	France	43.5515	7.119821
Taonia_atomaria	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_fasciola	Cap Ferrat: Anse des Fosses	France	43.68656	7.336985
Dictyota_spiralis1	Tenerife: El MØdano	Spain	28.04356	-16.535958
Dictyota_spiralis3	Cap Ferrat: Anse des Fosses	France	43.68656	7.336985
Dictyota_spiralis3	Cap Ferrat: Anse des Fosses	France	43.68656	7.336985
Canistrocarpus_cervicornis	Tenerife: El MØdano	Spain	28.04356	-16.535958
Dictyopteris_delicatula1	Canary Islands: Tenerife: Aguadulce	Spain	28.173961	-16.807671
Taonia_atomaria	Tenerife: El MØdano	Spain	28.04356	-16.535958
Dictyopteris_polypodioides	Tenerife: El MØdano	Spain	28.04356	-16.535958
Dictyota_implexa	Canary Islands: Gran Canaria: Medio Almud	Spain	27.800328	-15.739262
Dictyota_implexa	Canary Islands: Gran Canaria: Medio Almud	Spain	27.800328	-15.739262
Dictyota_spiralis1	Canary Islands: Gran Canaria: Medio Almud	Spain	27.800328	-15.739262
Dictyota_fasciola	Canary Islands: Gran Canaria: Medio Almud	Spain	27.800328	-15.739262

Canistrocarpus_cervicornis	Canary Islands: Gran Canaria: Medio Almod	Spain	27.800328	-15.739262
Dictyota_cymatophila	Canary Islands: Gran Canaria: Medio Almod	Spain	27.800328	-15.739262
Dictyota_implexa	Canary Islands: Gran Canaria: Las Canteras	Spain	28.15	-15.433333
Dictyota_pfaffii	Canary Islands: Gran Canaria: Las Canteras	Spain	28.15	-15.433333
Taonia_atomaria	Canary Islands: Gran Canaria: Las Canteras	Spain	28.15	-15.433333
Dictyota_spiralis1	Canary Islands: Gran Canaria: Playa del Burrero	Spain	27.909509	-15.382793
Dictyota_dichotoma1	Canary Islands: Gran Canaria: Playa del Burrero	Spain	27.909509	-15.382793
Dictyota_spiralis1	Canary Islands: Gran Canaria: Faro de Maspalomas	Spain	27.734483	-15.59948
Dictyota_humifusa	Queensland: North Keppel Island	Australia	-23.0668	150.906
Dictyota_dichotoma1	Heerekeet	Netherlands	51.677723	3.857961
Dictyota_linearis	Canary Islands: Gran Canaria: Faro de Maspalomas	Spain	27.734483	-15.59948
Dictyota_linearis	Canary Islands: Gran Canaria: Faro de Maspalomas	Spain	27.734483	-15.59948
Dictyota_cymatophila	Canary Islands: Gran Canaria: Faro de Maspalomas	Spain	27.734483	-15.59948
Dictyota_pleiacantha1	Canary Islands: Gran Canaria: Faro de Maspalomas	Spain	27.734483	-15.59948
Dictyota_ciliolata	Canary Islands: Gran Canaria: Faro de Maspalomas	Spain	27.734483	-15.59948
Dictyota_cymatophila	Canary Islands: Gran Canaria: Bierrel	Spain	27.784858	-15.501132
Dictyota_linearis	Canary Islands: Gran Canaria: Bierrel	Spain	27.784858	-15.501132
Dictyota_pleiacantha1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_pleiacantha1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_pleiacantha1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_cymatophila	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_pleiacantha1	Tenerife: El MØdano	Spain	28.04356	-16.535958
Dictyota_cymatophila	Tenerife: El MØdano	Spain	28.04356	-16.535958
Dictyota_pfaffii	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Scoresbyella_profunda	Western Australia: Geographe Bay	Australia	-33.6542	115.262
Dictyopteris_undulata	Baja California: Bahia Todos Santos: La Joya	Mexico	31.718548	-116.667541
Dictyopteris_delicatula3	Mombasa: Nyali: Mc Kenzie Pt	Kenya	-4.0665	39.68918
Dictyota_cyanoloma	Canary Islands: Gran Canaria: Arinaga: Zoco del Negro	Spain	27.866084	-15.384683
Dictyota_dichotoma1	Canary Islands: Gran Canaria: Arinaga: Zoco del Negro	Spain	27.866084	-15.384683
Dictyota_canariensis	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483
Dictyota_sp3	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483

Dictyopteris_sp	Kinondo Reef	Kenya	-4.400712	39.587495
Dictyota_cyanoloma	Algarve: Portimão: Praia da Rocha	Portugal	37.117001	-8.547818
Dictyota_spiralis1	Algarve: Lagos: Porto de Mós	Portugal	37.083836	-8.681226
Dictyota_mediterranea	Baleares: Mallorca	Spain	39.787935	3.177779
Dictyopteris_lucida	Galicia: A Coruña: El Grelle	Spain	43.37192	-8.38653
Dictyopteris_lucida	Galicia: A Coruña: Ferrol	Spain	43.4725	-8.25215
Dictyota_mertensii1	Habana	Cuba	23.1595	-82.3455
Dictyota_bartayresiana	Pinar del Río Province: Cabañas	Cuba	22.986048	-82.960551
Dictyota_mertensii1	Habana	Cuba	23.1595	-82.3455
Dictyota_ceylanica2	Habana Province: Jaruco	Cuba	23.179112	-82.0952
Dictyota_caribaea	Cienfuegos Province: Bahía de Cienfuegos: Punta Gorda	Cuba	22.133	-80.4641
Dictyota_jamaicensis	Habana: Miramar	Cuba	23.119609	-82.433646
Dictyota_bartayresiana	Habana Province: Santa Fe	Cuba	23.0806	-82.5178
Dictyota_spiralis1	Italy	Italy	37.554037	15.150354
Dictyota_linearis	Italy	Italy	37.554037	15.150354
Dictyota_fasciola	Italy	Italy	37.554037	15.150354
Dictyota_fasciola	Italy	Italy	37.554037	15.150354
Dictyota_mediterranea	Italy	Italy	37.554037	15.150354
Dictyopteris_sp	Western Cape Province: De Hoop Nature Reserve	South Africa	-34.498342	20.477
Dictyota_naevosa	Western Cape Province: De Hoop Nature Reserve	South Africa	-34.498342	20.477
Dictyota_dichotoma1	Dubrovnik	Croatia	42.64133	18.104785
Dictyota_spiralis1	Dubrovnik: Lapad	Croatia	42.65544	18.070186
Dictyota_spiralis1	Dubrovnik: Lapad	Croatia	42.65544	18.070186
Dictyota_spiralis1	Dubrovnik: Lapad	Croatia	42.654655	18.069733
Dictyota_spiralis1	Dubrovnik: Lapad	Croatia	42.654655	18.069733
Dictyota_spiralis1	Dubrovnik: Lapad	Croatia	42.653929	18.066258
Dictyota_spiralis1	Dubrovnik: Lapad	Croatia	42.653929	18.066258
Dictyota_spiralis1	Dubrovnik: Lapad	Croatia	42.653929	18.066258
Dictyota_implexa	Dubrovnik: Dance	Croatia	42.641571	18.101004
Dictyopteris_delicatula3	Mombasa: Nyali: Mc Kenzie Pt	Kenya	-4.0665	39.68918
Dictyota_pfaffii	Madeira Island: Ponta do Sao Lourento	Portugal	32.750946	-16.734558

Dictyota_pfaffii	Madeira Island: Ponta do Sao Lourenço	Portugal	32.750946	-16.734558
Dictyota_cymatophila	Madeira Island: Ponta do Sao Lourento	Portugal	32.750946	-16.734558
Dictyota_cymatophila	Madeira Island: Ponta do Sao Lourento	Portugal	32.750946	-16.734558
Dictyota_ciliolata	Madeira Island: Ponta do Sao Lourento	Portugal	32.750946	-16.734558
Dictyota_cymatophila	Madeira Island: Ponta do Sao Lourento	Portugal	32.750946	-16.734558
Dictyota_implexa	Madeira Island: Ponta do Sao Lourenço	Portugal	32.750946	-16.734558
Padina_pavonica.1c	Madeira Island: Ponta do Sao Lourento	Portugal	32.750946	-16.734558
Dictyota_liturata	Madeira Island: Rais Magos	Portugal	32.602362	-16.803589
Dictyota_liturata	Madeira Island: Rais Magos	Portugal	32.602362	-16.803589
Dictyota_cymatophila	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_pfaffii	Madeira Island: Rais Magos	Portugal	32.602362	-16.803589
Dictyota_dichotoma1	Aveiro: Praia da Barra	Portugal	40.638098	-8.751627
Dictyota_dichotoma1	Aveiro: Praia da Barra	Portugal	40.638098	-8.751627
Dictyota_dichotoma1	Aveiro: Praia da Barra	Portugal	40.638098	-8.751627
Dictyota_dichotoma1	Aveiro: Praia da Barra	Portugal	40.638098	-8.751627
Dictyota_dichotoma1	Aveiro: Praia da Barra	Portugal	40.638098	-8.751627
Dictyota_dichotoma1	Aveiro: Praia da Barra	Portugal	40.638098	-8.751627
Dictyota_dichotoma1	Aveiro: Praia da Barra	Portugal	40.638098	-8.751627
Dictyota_dichotoma1	Aveiro: Praia da Barra	Portugal	40.638098	-8.751627
Dictyota_dichotoma1	Crawfordsburn	United Kingdom	54.670392	-5.709292
Dictyota_dichotoma1	Crawfordsburn	United Kingdom	54.670392	-5.709292
Dictyota_dichotoma1	Crawfordsburn	United Kingdom	54.670392	-5.709292
Dilophus_gunnianus	Victorira: Warrnambool	Australia	-38.4033	142.48
Dictyota_sp18	Nha Trang	Vietnam	12.242037	109.213124
Dictyota_nigricans	Western Australia: Perth: Penguin Island	Australia	-32.3109	115.691
Dictyopteris_sp2	Jalisco: Puerto Vallarta: Majahuitas	Mexico	20.50683333	-105.39285
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276

Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Homoeostrichus_sinclairii	South Australia: Esperance Bay: Frederick Island	Australia	-33.9804	121.931
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dictyota_dichotoma1	Clare: Finavarra	Ireland	53.158324	-9.110276
Dilophus_fastigiatus	South Australia: Esperance Bay: Frederick Island	Australia	-33.9804	121.931
Dictyota_dichotoma1	Marina di Pisa	Italy	43.679116	10.269515
Dictyota_dichotoma1	Marina di Pisa	Italy	43.679116	10.269515
Dictyota_paniculata	South Australia: Esperance Bay: Frederick Island	Australia	-33.9804	121.931
Zonaria_sp2	South Australia: Sir Joseph Banks Group: Spilsby Island	Australia	-34.670975	136.347627
Scoresbyella_profunda	South Australia: Sir Joseph Banks Group: Stickney Island	Australia	-34.680039	136.273769
Rugulopteryx_radicans	South Australia: Esperance Bay: Frederick Island	Australia	-33.9804	121.931
Dilophus_fastigiatus	South Australia: Sir Joseph Banks Group: Reevesby Island	Australia	-34.505744	136.278249
Zonaria_spiralis	South Australia: Esperance Bay: Black Island	Australia	-33.9804	121.931
Zonaria_spiralis	South Australia: Esperance Bay: Black Island	Australia	-33.9804	121.931
Canistrocarpus_cervicornis	Leyte: Isabel: Apale	Philippines	10.934084	124.453097
Dictyota_ciliolata	Balicasag Island	Philippines	9.520343	123.680477
Canistrocarpus_cervicornis	Balicasag Island	Philippines	9.520343	123.680477
Canistrocarpus_crispatus	Negros Oriental: Dumaguete: Bantayan	Philippines	9.330833	123.309417
Canistrocarpus_crispatus	Negros Oriental: Dumaguete: Bantayan	Philippines	9.330833	123.309417
Padina_australis	Negros Oriental: Dumaguete: Bantayan	Philippines	9.330833	123.309417

<i>Canistrocarpus crispatus</i>	Eastern Samar: Guiuan: Hinakpan	Philippines	10.871217	125.787987
<i>Canistrocarpus crispatus</i>	Negros Oriental: Dumaguete: Bantayan	Philippines	9.330833	123.309417
<i>Dictyota bartayresiana</i>	Dhofar: Mirbat	Oman	16.9659	54.70808
<i>Canistrocarpus cervicornis</i>	Dhofar: Mirbat	Oman	16.9659	54.70808
<i>Dictyota dhofarensis</i>	Dhofar: Mirbat	Oman	17.0499	55.08607
<i>Canistrocarpus cervicornis</i>	Dhofar: Mirbat	Oman	16.9659	54.70808
<i>Dictyota bartayresiana</i>	Dhofar: Mirbat	Oman	16.94439	54.79406
<i>Distromium sp3</i>	Dhofar: Mirbat	Oman	16.93577	54.78952
<i>Dictyopteris sp</i>	Dhofar: Hasik	Oman	17.41021	55.29231
<i>Scoresbyella profunda</i>	Western Australia: Geographe Bay	Australia	-33.6542	115.262
<i>Dictyota implexa</i>	Pelican Cays Ponds: Manatee Cay: Tony's Lagoon	Belize	16.66611	-88.19184
<i>Dictyota implexa</i>	Pelican Cays Ponds: Little Cat Cay: Little Cat Bay	Belize	16.65923	-88.18246
<i>Dictyota implexa</i>	Pelican Cays Ponds: Fisherman's Cay: Frenchy's Ponds	Belize	16.6704	-88.18937
<i>Dictyota humifusa</i>	Isla Iguana	Panama	9.28528	-79.861895
<i>Dictyota friabilis1.c</i>	Saba: Saba Bank	Netherlands Antilles	17.507937	-63.440728
<i>Canistrocarpus cervicornis</i>	Saba: Saba Bank	Netherlands Antilles	17.507937	-63.440728
<i>Canistrocarpus cervicornis</i>	Saba: Saba Bank	Netherlands Antilles	17.507937	-63.440728
<i>Dictyota hamifera</i>	Saba: Saba Bank	Netherlands Antilles	17.507937	-63.440728
<i>Dictyota sp15</i>	Saba: Saba Bank	Netherlands Antilles	17.507937	-63.440728
<i>Dictyota hamifera</i>	Saba: Saba Bank	Netherlands Antilles	17.507937	-63.440728
<i>Dictyota humifusa</i>	Saba: Saba Bank	Netherlands Antilles	17.507937	-63.440728
<i>Dictyota ciliolata</i>	Saba: Saba Bank	Netherlands Antilles	17.507937	-63.440728
<i>Dictyota sp15</i>	Abacos: Munjack Key	Bahamas	26.837517	-77.351167
<i>Canistrocarpus cervicornis</i>	Abacos: Munjack Key	Bahamas	26.837517	-77.351167
<i>Dictyota guineensis</i>	Green Turtle Cay	Bahamas	26.7667	-77.3
<i>Dictyota implexa</i>	Trieste	Italy	45.657155	13.720333
<i>Dictyota implexa</i>	Trieste	Italy	45.657155	13.720333
<i>Dictyota pinnatifida</i>	Punta Cana: Playa B&vario	Dominican Republic	18.714768	-68.441582
<i>Canistrocarpus cervicornis</i>	Catalina Island	Dominican Republic	18.359248	-69.023085
<i>Canistrocarpus cervicornis</i>	Catalina Island	Dominican Republic	18.359248	-69.023085
<i>Dictyota bartayresiana</i>	Catalina Island	Dominican Republic	18.359248	-69.023085

Dictyota_bartayresiana	Catalina Island	Dominican Republic	18.359248	-69.023085
Canistrocarpus_cervicornis	Catalina Island	Dominican Republic	18.359248	-69.023085
Canistrocarpus_cervicornis	Catalina Island	Dominican Republic	18.359248	-69.023085
Dictyota_jamaicensis	Punta Cana: Playa Bßvaro	Dominican Republic	18.714768	-68.441582
Dictyota_jamaicensis	Punta Cana: Playa Bßvaro	Dominican Republic	18.714768	-68.441582
Dictyota_mertensii1	Punta Cana: Playa Bßvaro	Dominican Republic	18.714768	-68.441582
Canistrocarpus_cervicornis	Punta Cana: Playa Bßvaro	Dominican Republic	18.714768	-68.441582
Dictyota_mertensii1	Punta Cana: Playa Bßvaro	Dominican Republic	18.714768	-68.441582
Dictyota_mertensii2	Punta Cana: Playa Bßvaro	Dominican Republic	18.714768	-68.441582
Dictyota_mertensii2	Punta Cana: Playa Bßvaro	Dominican Republic	18.714768	-68.441582
Dictyota_pinnatifida	Punta Cana: Playa Bßvaro	Dominican Republic	18.714768	-68.441582
Dictyota_pinnatifida	Punta Cana: Playa Bßvaro	Dominican Republic	18.714768	-68.441582
Dictyota_pinnatifida	Punta Cana: Playa Bßvaro	Dominican Republic	18.714768	-68.441582
Dictyota_bartayresiana	Punta Cana: Playa Bßvaro	Dominican Republic	18.714768	-68.441582
Canistrocarpus_cervicornis	Catalina Island	Dominican Republic	18.359248	-69.023085
Canistrocarpus_cervicornis	Catalina Island	Dominican Republic	18.359248	-69.023085
Dictyopteris_polypodioides	Taza-Al Hoceima-Taounate: Aaxanen	Morocco	35.22625	-3.21521
Dictyopteris_polypodioides	Taza-Al Hoceima-Taounate: Aaxanen	Morocco	35.22625	-3.21521
Dictyopteris_polypodioides	Taza-Al Hoceima-Taounate: Aaxanen	Morocco	35.22625	-3.21521
Dictyopteris_polypodioides	Taza-Al Hoceima-Taounate: Aaxanen	Morocco	35.22625	-3.21521
Dictyopteris_polypodioides	Taza-Al Hoceima-Taounate: Aaxanen	Morocco	35.22625	-3.21521
Canistrocarpus_cervicornis	Dahlak Archipelago: Dissei Island	Eritrea	15.452977	39.743482
Canistrocarpus_cervicornis	Massawa: Sheik Said Island	Eritrea	15.5934	39.4853
Canistrocarpus_cervicornis	Dahlak Archipelago: Dur-gam Island	Eritrea	15.783	39.75
Canistrocarpus_cervicornis	Dahlak Archipelago: Nokra Island	Eritrea	15.700146	39.923618
Dictyota_friabilis1.a	Europa Island	Scattered Islands	-22.33995	40.34616
Dictyota_friabilis1.e	Europa Island	Scattered Islands	-22.32943	40.36508
Dictyota_rigida6	Europa Island	Scattered Islands	-22.34063	40.33716
Dictyota_friabilis1.e	Europa Island	Scattered Islands	-22.34063	40.33716
Dictyota_friabilis1.e	Europa Island	Scattered Islands	-22.34063	40.33716
Dictyota_friabilis1.d	Europa Island	Scattered Islands	-22.34478	40.36769

Dictyota_friabilis1.d	Europa Island	Scattered Islands	-22.34478	40.36769
Dictyota_friabilis1.a	Europa Island	Scattered Islands	-22.34478	40.36769
Dictyota_friabilis1.d	Europa Island	Scattered Islands	-22.33644	40.3837
Dictyota_friabilis1	Europa Island	Scattered Islands	-22.38528	40.38856
Dictyota_friabilis1.d	Europa Island	Scattered Islands	-22.38401	40.3375
Dictyota_dichotoma1	Algarve: Carvoeiro: A Boneca	Portugal	37.092782	-8.465352
Dictyota_dichotoma1	Algarve: Carvoeiro: A Boneca	Portugal	37.092782	-8.465352
Canistrocarpus_cervicornis	Dwarka	India	22.243326	68.954092
Dictyota_ceylanica3	Western Australia: Ningaloo Reef	Australia	-22.75818	113.7011
Dictyota_liturata	Western Australia: Ningaloo Reef	Australia	-22.75818	113.7011
Dictyota_polyclada1	South Australia: Kangaroo Island: Pennington Bay	Australia	-35.857405	137.744336
Dictyota_canaliculata2.b	Queensland: Lizard Island: Watsons Bay	Australia	-14.663056	145.45
Dictyota_ceylanica3	Western Australia: Ningaloo Reef	Australia	-22.49297	113.7258
Dictyota_ciliolata	Mactan Island: Buyong Mactan	Philippines	10.28679	124.00599
Dictyota_dichotoma1	Sardinia: Stintino: Isala	Italy	40.9327	8.22795
Dictyota_spiralis1	Sardinia: Alghero	Italy	40.5464	8.32049
Dictyota_spiralis1	Sardinia: Castelsardo	Italy	40.9182	8.71276
Taonia_atomaria3	Sardinia: Castelsardo	Italy	40.9182	8.71276
Taonia_atomaria3	Sardinia: Isola Rossa	Italy	41.0146	8.87047
Dictyota_naevosa	Kwazulu-Natal: Palm Beach	South Africa	-31.003067	30.269673
Dictyota_naevosa	Kwazulu-Natal: Trafalgar: Port O'Call	South Africa	-30.953621	30.303561
Rugulopteryx_suhrii	Kwazulu-Natal: Port Edward	South Africa	-31.06738	30.220148
Styopodium_schimperi		France	42.992438	5.83282
Padina_pavonica.1c	Provence: Ile des Embiez	France	43.07941	5.772434
Stoecho spermum_polypodioides	not specified	Tanzania	-6.67938	39.2253
Spatoglossum_asperum		Guadeloupe	15.992866	-61.736281
Styopodium_sp2		Guadeloupe	15.992866	-61.736281
Zonaria_tournefortii	Sicily: Palermo	Italy	38.14895	13.384694
Padina_melemele.g	Passe Boulari	New Caledonia	-22.497613	166.442804
Padina_gymnospora.d	NoumΘa: Rocher α la Voile	New Caledonia	-22.304431	166.434276
Padina_stipitata	PoindimiΘ	New Caledonia	-20.934562	165.342173

Padina_stipitata	Touho	New Caledonia	-20.595	165.177783
Padina_stipitata	Passe Tomboo	New Caledonia	-21.575962	165.138837
Padina_stipitata	not specified	New Caledonia	-22.25945	166.286417
Padina_stipitata	Banc Gail	New Caledonia	-22.363355	166.699971
Padina_australis	PoindimiØ	New Caledonia	-20.934562	165.342173
Padina_gymnospora.d	NoumØa: Ricaudy reef	New Caledonia	-22.314187	166.455682
Padina_australis	Balabio island	New Caledonia	-20.185733	164.268617
Padina_sp6	Prony	New Caledonia	-22.325827	166.825802
Padina_undulata.jonesii	Thio	New Caledonia	-21.596744	166.220645
Padina_sp3	Ilot Petit Charron	New Caledonia	-22.31667	166.56667
Padina_minor	Gologne Nord	New Caledonia	-21.575962	165.138837
Padina_australis	Ouano	New Caledonia	-21.850994	165.798877
Padina_okinawaensis.a	Tenia	New Caledonia	-22.007923	165.938573
Padina_minor	Amoss	New Caledonia	-20.221896	164.410525
Padina_macrophylla	Ile NouarØ	New Caledonia	-22.41994	167.015488
Padina_minor	Loyalty Islands: Lifou	New Caledonia	-20.89195	167.27395
Padina_melemele.c	Ile NouarØ	New Caledonia	-22.41994	167.015488
Padina_macrophylla	Goro	New Caledonia	-22.298667	167.013367
Padina_boryana	Ile des Pins	New Caledonia	-22.71305	167.449917
Padina_undulata.jonesii	Ile des Pins	New Caledonia	-22.71305	167.449917
Padina_sanctaecrucis.2	Loyalty Islands: Lifou	New Caledonia	-20.89195	167.27395
Padina_macrophylla	Ile des Pins	New Caledonia	-22.71305	167.449917
Padina_macrophylla	Ile des Pins	New Caledonia	-22.71305	167.449917
Padina_macrophylla	Ile des Pins	New Caledonia	-22.71305	167.449917
Padina_moffittiana	Ile des Pins	New Caledonia	-22.71305	167.449917
Padina_moffittiana	Ile des Pins	New Caledonia	-22.71305	167.449917
Padina_macrophylla	Cimania reef	New Caledonia	-21.575962	165.138837
Padina_australis		New Caledonia	-21.575962	165.138837
Padina_australis	Ile des Pins: Baie de Gadji	New Caledonia	-22.543715	167.421989
Padina_stipitata	Ile des Pins	New Caledonia	-22.600183	167.555383
Dictyopteris_crassinervia	Ile des Pins	New Caledonia	-22.600183	167.555383

Dictyopteris_sp1	Passe DumbŌa	New Caledonia	-22.36667	166.25
Dictyopteris_australis	Ile des Pins	New Caledonia	-22.600183	167.555383
Dictyopteris_polypodioides	Bretagne: St. Michel de Plouguerneau	France	48.635665	-4.519882
Distromium_didymothrix	Banc de la Torche	New Caledonia	-22.869321	167.679941
Distromium_sp1	Beautemps-BeauprŌ	New Caledonia	-20.40685	166.15085
Distromium_decumbens2	KuŌ reef	New Caledonia	-22.602603	166.536921
Homoeostrichus_flabellatus		New Caledonia	-21.575962	165.138837
Distromium_decumbens3	Astrolabe	New Caledonia	-19.823232	165.596667
Spatoglossum_asperum	Ile des Pins	New Caledonia	-22.600183	167.555383
Spatoglossum_asperum	Ile des Pins	New Caledonia	-22.600183	167.555383
Styopodium_australasicum	Ile des Pins	New Caledonia	-22.600183	167.555383
Styopodium_australasicum	Ile des Pins	New Caledonia	-22.600183	167.555383
Styopodium_flabelliforme2	Loyalty Islands: Lifou	New Caledonia	-20.89195	167.27395
Taonia_atomaria	Bretagne: Roscoff: Ile Verte	France	48.731555	-3.989466
Padina_boryana	Moorea	French Polynesia	-17.551773	-149.898939
Padina_boryana	Moorea	French Polynesia	-17.551773	-149.898939
Homoeostrichus_sp1	Mbere reef	New Caledonia	-22.332377	166.224386
Homoeostrichus_sp2	PoindimiŌ	New Caledonia	-20.934562	165.342173
Spatoglossum_stipitatum	Boulari	New Caledonia	-22.497613	166.442804
Dictyopteris_delicatula2	Canal Woodin	New Caledonia	-22.387858	166.805775
Dictyopteris_crassinervia	Canal Woodin	New Caledonia	-22.387858	166.805775
Padina_sanctaecrucis.2	Nouvelle	New Caledonia	-22.272303	166.403257
Padina_sanctaecrucis.2	Nouvelle	New Caledonia	-22.272303	166.403257
Dictyopteris_delicatula1	Nouvelle	New Caledonia	-22.261783	166.406101
Padina_macrophylla	Tenia	New Caledonia	-22.007923	165.938573
Padina_moffittiana		New Caledonia	-21.575962	165.138837
Padina_moffittiana		New Caledonia	-21.575962	165.138837
Padina_moffittiana		New Caledonia	-21.575962	165.138837
Padina_okinawaensis.c	Loyalty Islands: Lifou	New Caledonia	-20.89195	167.27395
Padina_okinawaensis.c	MarŌ	New Caledonia	-21.454108	168.005683
Distromium_skottsbergii	North Auckland: Stephenson Island	New Zealand	-34.967079	173.776979

Dictyota_spiralis2	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Rugulopteryx_okamurae	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_linearis	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_linearis	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_linearis	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_linearis	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_linearis	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_linearis	Provence: Cassis: Cap Canaille	France	43.206861	5.547441
Dictyota_dichotoma1	Split: Bacvice	Croatia	43.5003	16.4461

Dictyota_cyanoloma	Algarve: Lagos: Praia da Dona Ana	Portugal	37.0908	-8.6693
Dictyota_cyanoloma	Algarve: Lagos: Praia da Dona Ana	Portugal	37.0908	-8.6693
Dictyota_cyanoloma	Algarve: Lagos: Praia da Dona Ana	Portugal	37.0908	-8.6693
Dictyota_sp3	Algarve: Carrapateira: Praia do Amado	Portugal	37.1713	-8.9053
Dictyota_cyanoloma	Huelva: Chipiona: marina	Spain	36.724	-6.4391
Dictyota_cyanoloma	Huelva: Chipiona: marina	Spain	36.724	-6.4391
Dictyota_cyanoloma	Huelva: Chipiona: marina	Spain	36.724	-6.4391
Dictyota_cyanoloma	Huelva: Chipiona: marina	Spain	36.724	-6.4391
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_dichotoma1	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_cyanoloma	Huelva: Zahara de los Atunes: Playa de los Alemanes	Spain	36.1028	-5.824721
Dictyota_liturata	Sao Tiago: Tarrafal: King Fisher	Cape Verde	15.27509	-23.75781
Dictyota_liturata	Sao Tiago: Tarrafal: King Fisher	Cape Verde	15.27509	-23.75781
Dictyota_liturata	Sao Tiago: Tarrafal: King Fisher	Cape Verde	15.27509	-23.75781
Canistrocarpus_cervicornis	Sao Tiago: Tarrafal: Baia do Tarrafal	Cape Verde	15.14265	-23.52717

Canistrocarpus_cervicornis	Sao Tiago: Tarrafal: Baia do Tarrafal	Cape Verde	15.14265	-23.52717
Canistrocarpus_cervicornis	Sao Tiago: Tarrafal: Baia do Tarrafal	Cape Verde	15.14265	-23.52717
Canistrocarpus_cervicornis	Sao Tiago: Tarrafal: Baia do Tarrafal	Cape Verde	15.14265	-23.52717
Dictyota_canariensis	Sao Tiago: Tarrafal: King Fisher	Cape Verde	15.27509	-23.75781
Dictyota_canariensis	Sao Tiago: Tarrafal: King Fisher	Cape Verde	15.27509	-23.75781
Dictyota_canariensis	Sao Tiago: Tarrafal: King Fisher	Cape Verde	15.27509	-23.75781
Dictyota_hamifera	Sao Tiago: Tarrafal: King Fisher	Cape Verde	15.27509	-23.75781
Dictyota_hamifera	Sao Tiago: Tarrafal: King Fisher	Cape Verde	15.27509	-23.75781
Dictyota_hamifera	Sao Tiago: Tarrafal: King Fisher	Cape Verde	15.27509	-23.75781
Canistrocarpus_cervicornis	Sao Tiago: Tarrafal: King Fisher	Cape Verde	15.27509	-23.75781
Canistrocarpus_cervicornis	Sao Tiago: Tarrafal: King Fisher	Cape Verde	15.27509	-23.75781
Spatoglossum_solierii	Sao Tiago: Tarrafal: King Fisher	Cape Verde	15.27509	-23.75781
Dictyota_liturata	Sao Tiago: Pedra Badejo	Cape Verde	15.14265	-23.52717
Dictyota_canariensis	Sao Tiago: Pedra Badejo	Cape Verde	15.14265	-23.52717
Dictyota_ceylanica5	Sao Tiago: Pedra Badejo	Cape Verde	15.14265	-23.52717
Dictyota_humifusa	Sao Tiago: Cidade Velha	Cape Verde	14.91614	-23.60872
Canistrocarpus_cervicornis	Sao Tiago: Cidade Velha	Cape Verde	14.91614	-23.60872
Canistrocarpus_cervicornis	Sao Tiago: Cidade Velha	Cape Verde	14.91614	-23.60872
Dictyota_ceylanica5	Sao Tiago: Cidade Velha	Cape Verde	14.91614	-23.60872
Canistrocarpus_cervicornis	Sal: Baia da Palmeira	Cape Verde	16.75239	-22.9778
Dictyota_pfaffii	Sal: Baia da Palmeira	Cape Verde	16.75239	-22.9778
Dictyota_canariensis	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_canariensis	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_canariensis	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_canariensis	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_canariensis	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_canariensis	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_jamaicensis	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_jamaicensis	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_pleioantha1	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547

Dictyota_pleiacantha1	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_pleiacantha1	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Canistrocarpus_cervicornis	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_hamifera	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_hamifera	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_hamifera	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_canariensis	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_pfaffii	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_liturata	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Dictyota_liturata	Sal: Baia da Murdeira	Cape Verde	16.67778	-22.93547
Canistrocarpus_cervicornis	Sal: Pedra da Lume	Cape Verde	16.76235	-22.88945
Dictyota_canariensis	Sal: Pedra da Lume	Cape Verde	16.76235	-22.88945
Dictyota_canariensis	Sal: Pedra da Lume	Cape Verde	16.76235	-22.88945
Dictyota_liturata	Sal: Pedra da Lume	Cape Verde	16.76235	-22.88945
Dictyota_canariensis	Sal: Pedra da Lume	Cape Verde	16.76235	-22.88945
Dictyota_humifusa	Sal: Pedra da Lume	Cape Verde	16.76235	-22.88945
Dictyota_pfaffii	Sal: Pedra da Lume	Cape Verde	16.76235	-22.88945
Dictyota_humifusa	Sao Vicente: Baia Grande	Cape Verde	16.89998	-24.90791
Dictyota_canariensis	Sao Vicente: Baia Grande	Cape Verde	16.89998	-24.90791
Dictyota_liturata	Sao Vicente: Calhau	Cape Verde	16.85435	-24.86371
Dictyota_liturata	Sao Vicente: Calhau	Cape Verde	16.85435	-24.86371
Canistrocarpus_cervicornis	Sao Vicente: Calhau	Cape Verde	16.85435	-24.86371
Dictyota_guineensis	Sao Vicente: Calhau	Cape Verde	16.85435	-24.86371
Canistrocarpus_cervicornis	Sao Vicente: Sao Pedro	Cape Verde	16.82951	-25.07289
Dictyota_canariensis	Sao Vicente: Sao Pedro	Cape Verde	16.82951	-25.07289
Padina_gymnospora.a	Sao Vicente: Sao Pedro	Cape Verde	16.82951	-25.07289
Padina_gymnospora.a	Sao Vicente: Sao Pedro	Cape Verde	16.82951	-25.07289
Dictyota_fasciola	Santo Antao: Ponta do Sol	Cape Verde	17.20209	-25.09477
Dictyota_fasciola	Santo Antao: Ponta do Sol	Cape Verde	17.20209	-25.09477
Dictyota_fasciola	Santo Antao: Ponta do Sol	Cape Verde	17.20209	-25.09477
Dictyota_canariensis	Santo Antao: Ponta do Sol	Cape Verde	17.20209	-25.09477

Dictyota_ciliolata	Santo Antao: Ponta do Sol	Cape Verde	17.20209	-25.09477
Dictyota_ciliolata	Santo Antao: Ponta do Sol	Cape Verde	17.20209	-25.09477
Padina_gymnospora.e	Santo Antao: Ponta do Sol	Cape Verde	17.20209	-25.09477
Canistrocarpus_cervicornis	Santo Antao: Ponta do Sol	Cape Verde	17.20209	-25.09477
Dictyota_ceylanica5	Santo Antao: Ponta do Sol	Cape Verde	17.20209	-25.09477
Canistrocarpus_cervicornis	Santo Antao: Ponta do Sol	Cape Verde	17.20209	-25.09477
Dictyota_liturata	Santo Antao: Sinagoga	Cape Verde	17.17803	-25.03161
Dictyota_liturata	Santo Antao: Sinagoga	Cape Verde	17.17803	-25.03161
Dictyota_ceylanica5	Santo Antao: Sinagoga	Cape Verde	17.17803	-25.03161
Canistrocarpus_cervicornis	Sao Vicente: Baia da Salamansa	Cape Verde	16.90907	-24.93681
Canistrocarpus_cervicornis	Sao Vicente: Baia da Salamansa	Cape Verde	16.90907	-24.93681
Dictyota_canariensis	Sao Vicente: Baia da Salamansa	Cape Verde	16.90907	-24.93681
Dictyota_jamaicensis	Sao Vicente: Baia da Salamansa	Cape Verde	16.90907	-24.93681
Dictyota_ciliolata	Sao Vicente: Baia da Salamansa	Cape Verde	16.90907	-24.93681
Dictyota_humifusa	Sao Vicente: Baia da Salamansa	Cape Verde	16.90907	-24.93681
Dictyota_hamifera	Sao Vicente: Baia da Salamansa	Cape Verde	16.90907	-24.93681
Dictyota_ciliolata	Sao Vicente: Baia da Salamansa	Cape Verde	16.90907	-24.93681
Dictyota_ceylanica5	Sao Vicente: Baia da Salamansa	Cape Verde	16.90907	-24.93681
Dictyota_dichotoma1	Norte: Grande Porto: Porto: Mindelo: Ponta da Gafa	Portugal	41.310238	-8.742222
Dictyota_dichotoma1	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_dichotoma1	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_dichotoma1	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyopteris_lucida	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Taonia_atomaria2	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_spiralis3	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_dichotoma1	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_spiralis3	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_dichotoma1	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_dichotoma1	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_mediterranea	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_mediterranea	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055

Dictyota_dichotoma1	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_dichotoma1	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_implexa	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_dichotoma1	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_implexa	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_dichotoma1	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Taonia_atomaria2	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_implexa	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_implexa	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_fasciola	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_linearis	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_dichotoma1	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_implexa	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_spiralis2	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_dichotoma1	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_spiralis2	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_fasciola	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_spiralis2	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_spiralis3	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_spiralis3	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyota_implexa	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055
Dictyopteris_delicatula3	Sao Vicente: Calhau	Cape Verde	16.85435	-24.86371
Dictyota_dichotoma1	Helgoland	Germany	54.1812	7.88587
Dictyota_ceylanica3	Grande Glorieuse	Glorioso Islands	-11.562339	47.308529
Dictyota_ceylanica5	Grande Glorieuse	Glorioso Islands	-11.562339	47.308529
Dictyota_ceylanica5	Grande Glorieuse	Glorioso Islands	-11.562339	47.308529
Dictyota_friabilis1.e	Grande Glorieuse	Glorioso Islands	-11.562339	47.308529
Dictyota_hamifera	Grande Glorieuse	Glorioso Islands	-11.562339	47.308529
Dictyota_liturata	Grande Glorieuse	Glorioso Islands	-11.562339	47.308529
Dictyota_rigida6	Grande Glorieuse	Glorioso Islands	-11.562339	47.308529
Dictyota_hamifera	Grande Glorieuse	Glorioso Islands	-11.562339	47.308529

<i>Dictyota_ciliolata</i>	Grande Glorieuse	Glorioso Islands	-11.562339	47.308529
<i>Dictyota_friabilis1.a</i>	Grande Glorieuse	Glorioso Islands	-11.562339	47.308529
<i>Dictyota_friabilis1.a</i>	Grande Glorieuse	Glorioso Islands	-11.562339	47.308529
<i>Dictyota_sp1</i>	Flores: Lajes	Azores	39.380012	-31.169824
<i>Padina_australis</i>	Tagachan Beach	Guam	13.409094	144.783467
<i>Dictyota_binghamiae</i>	British Columbia: Bamfield	Canada	48.862	-125.177
<i>Dictyota_binghamiae</i>	British Columbia: Satellite Reef, Bamfield	Canada	48.86199951	-125.177002
<i>Dictyota_binghamiae</i>	British Columbia: Satellite Reef, Bamfield	Canada	48.86199951	-125.177002
<i>Dictyota_binghamiae</i>	British Columbia: Bamfield	Canada	48.862	-125.177
<i>Dictyota_binghamiae</i>	British Columbia: Satellite Reef, Bamfield	Canada	48.86199951	-125.177002
<i>Dictyota_binghamiae</i>	British Columbia: Tahsis Princessa Channel	Canada	49.72499847	-126.641998
<i>Dictyota_binghamiae</i>	Spanish Pilot Group: Island south of Clotchman Island: Tahsis	Canada	49.614849	-126.582978
<i>Rugulopteryx_marginatus</i>	Victoria: Port Phillip Bay: Williamstown	Australia	-37.8526	144.922
<i>Dictyota_binghamiae</i>	Haida Gwai: Chaatl Island: Tcenakun Point	Canada	53.152	-132.593
<i>Dictyota_binghamiae</i>	Haida Gwai: Chaatl Island across from Newton Point	Canada	53.090076	-132.722194
<i>Dictyota_binghamiae</i>	Haida Gwaii: Mazarredo Islands: NW of Masset	Canada	54.091	-132.551
<i>Dictyota_polyclada1</i>	Victoria: Flinders	Australia	-38.4742	145.028
<i>Dictyota_binghamiae</i>	British Columbia: Bamfield, Scotts Bay	Canada	48.8346	-125.1463
<i>Dictyota_paniculata</i>	Victoria: Queenscliff Jetty, Port Phillip Heads	Australia	-38.26699829	144.6679993
<i>Dictyota_sp30</i>	Tasmania: Kelso Sands Holiday Park	Australia	-41.093	146.782
<i>Dictyota_dichotoma3</i>	Tasmania: Windmill Point, George Town	Australia	-41.11000061	146.8170013
<i>Zonaria_sp6</i>	Tasmania: Snug Park	Australia	-43.06615	147.2645
<i>Scoresbyella_sp1</i>	Tasmania: Burying Ground Point	Australia	-43.44013	146.98883
<i>Zonaria_turneriana</i>	Tasmania: Southport	Australia	-43.440451	146.988895
<i>Zonaria_turneriana</i>	Tasmania: Southport	Australia	-43.440451	146.988895
<i>Zonaria_turneriana</i>	Tasmania: Southport	Australia	-43.440451	146.988895
<i>Zonaria_turneriana</i>	Tasmania: Huon River mouth	Australia	-43.275118	147.125981
<i>Dictyota_diemensis</i>	Tasmania: Verona Sands	Australia	-43.286	147.164
<i>Dictyota_diemensis</i>	Tasmania: Nine Pin Point	Australia	-43.286	147.164
<i>Zonaria_turneriana</i>	Tasmania: Nine Pin Point	Australia	-43.286	147.164
<i>Zonaria_turneriana</i>	Tasmania: Tinderbox: Fiona's Point	Australia	-43.059	147.333

Zonaria_turneriana	Tasmania: Tinderbox: Fiona`s Point	Australia	-43.059	147.333
Zonaria_turneriana	Tasmania: Tinderbox: Fiona`s Point	Australia	-43.059	147.333
Dictyota_cyanoloma	Tasmania: Hells Gates (beach to north)	Australia	-42.21699905	145.2230072
Dictyota_cyanoloma	Tasmania: Hells Gates (beach to north)	Australia	-42.21699905	145.2230072
Zonaria_sp3	Tasmania: Lucas Point (past Hells Gates) Strahan	Australia	-42.1997	145.2008
Dictyota_cyanoloma	Tasmania: Strahan: Lucas Point	Australia	-42.2	145.201
Dictyota_paniculata	Tasmania: Boat Harbour Beach	Australia	-40.92599869	145.6130066
Dictyota_paniculata	Tasmania: Boat Harbour Beach	Australia	-40.92599869	145.6130066
Dictyota_paniculata	Tasmania: Boat Harbour Beach	Australia	-40.92599869	145.6130066
Dilophus_gunnianus	Tasmania: Boat Harbour Beach	Australia	-40.926	145.613
Zonaria_sp6	Tasmania: Boat Harbour Beach	Australia	-40.92554	145.61293
Scoresbyella_sp1	Tasmania: Sanctuary Reef, Wynyard	Australia	-40.98593	145.7701
Zonaria_sp3	Tasmania: Stanley Breakwater	Australia	-40.76731	145.30583
Zonaria_sp3	Tasmania: Stanley Breakwater	Australia	-40.76731	145.30583
Zonaria_sp3	Tasmania: Stanley Breakwater	Australia	-40.767	145.306
Zonaria_sp3	Tasmania: Stanley Breakwater	Australia	-40.76731	145.30583
Dictyota_dichotoma3	Tasmania: Stanley Breakwater	Australia	-40.76699829	145.3059998
Dictyota_paniculata	Tasmania: The Springs, Point Lonsdale	Australia	-38.27600098	144.6199951
Dictyota_sp46	Northland: Taupiri Bay, south of Cape Brett	New Zealand	-35.275773	174.29268
Dictyopteris_sp6	Jeju: Rocky Reef at Lighthouse 'Point' Piyangdo Island	South Korea	33.4198	126.2244
Rugulopteryx_okamurae	Piyangdo Island: Lighthouse Point	South Korea	33.42	126.224
Padina_sp7	Jeju: Rocky Reef at Lighthouse 'Point' Piyangdo Island	South Korea	33.4198	126.2244
Rugulopteryx_okamurae	Cheju-do: Piyangdo Island: Rocky Reef at Lighthouse `Point`	Korea	33.42	126.224
Dictyota_coriacea	Cheju-do: Gimnyeong	Korea	33.565	126.731
Dictyota_coriacea	Cheju-do: Gimnyeong	Korea	33.565	126.731
Padina_sp7	Jeju: Channel between Little & Big Munseom Islands	South Korea	33.22751	126.56802
Dictyota_coriacea	Cheju-do: Channel between Little & Big Munseom Islands	South Korea	33.22800064	126.5680008
Padina_sp8	Jeju: Channel between Little & Big Munseom Islands	South Korea	33.22751	126.56802
Padina_sp8	Jeju: Channel between Little & Big Munseom Islands	South Korea	33.22751	126.56802
Dictyota_binghamiae	Haida Gwai: NW of Masset: between Wiah Point and Cape Ede	Canada	54.107	-132.366
Styopodium_sp6	New South Wales: Lord Howe I., Neds Beach	Australia	-31.5167	159.0667

Dictyota_intermedia	New South Wales: Lord Howe I., Neds Beach	Australia	-31.5170002	159.0670013
Dictyota_intermedia	New South Wales: Lord Howe I., Neds Beach	Australia	-31.5170002	159.0670013
Styopodium_flabelliforme	New South Wales: Lord Howe I., Neds Beach	Australia	-31.5167	159.0667
Dictyotalean_sp	New South Wales: Malabar Reef, Lord Howe I.	Australia	-31.51119	159.05659
Dictyota_sandvicensis	New South Wales: Roach Wall, Lord Howe	Australia	-31.49799919	159.0659943
Dictyota_sandvicensis	New South Wales: Roach Wall, Lord Howe	Australia	-31.49799919	159.0659943
Dictyota_sandvicensis	New South Wales: Roach Wall, Lord Howe	Australia	-31.49799919	159.0659943
Dictyota_liturata	New South Wales: Roach Wall, Lord Howe	Australia	-31.49799919	159.0659943
Dictyota_sandvicensis	New South Wales: Roach Wall, Lord Howe	Australia	-31.49799919	159.0659943
Dictyota_ceylanica3	New South Wales: Old Gulch, Lord Howe I.	Australia	-31.51300049	159.0420074
Rugulopteryx_marginatus	New South Wales: Old Gulch, Lord Howe I.	Australia	-31.51300049	159.0420074
Dictyota_sandvicensis	New South Wales: Lord Howe I., Neds Beach	Australia	-31.5170002	159.0670013
Dictyota_sandvicensis	New South Wales: Lord Howe I., Neds Beach	Australia	-31.5170002	159.0670013
Dictyota_ceylanica3	New South Wales: Lord Howe I., Neds Beach	Australia	-31.5170002	159.0670013
Rugulopteryx_marginatus	New South Wales: Lord Howe I., Neds Beach	Australia	-31.5170002	159.0670013
Dictyota_sandvicensis	New South Wales: North Head Gutters, Lord Howe	Australia	-31.52400017	159.0420074
Styopodium_flabelliforme	New South Wales: North Head Gutters, Lord Howe	Australia	-31.52439	159.04204
Padina_sp9	New South Wales: North Head Gutters, Lord Howe	Australia	-31.52439	159.04204
Rugulopteryx_marginatus	New South Wales: North Head Gutters, Lord Howe	Australia	-31.52400017	159.0420074
Dictyotalean_sp	New South Wales: North Head Gutters, Lord Howe	Australia	-31.52439	159.04204
Rugulopteryx_marginatus	New South Wales: North Head Gutters, Lord Howe	Australia	-31.52400017	159.0420074
Dictyotalean_sp	New South Wales: Algae Hole North, Lord Howe	Australia	-31.52484	159.06009
Dictyotalean_sp	New South Wales: Algae Hole North, Lord Howe	Australia	-31.52484	159.06009
Padina_sp9	New South Wales: Algae Hole North, Lord Howe	Australia	-31.52484	159.06009
Dictyotalean_sp	New South Wales: Algae Hole North, Lord Howe	Australia	-31.52484	159.06009
Dictyotalean_sp	New South Wales: Algae Hole North, Lord Howe	Australia	-31.52484	159.06009
Dictyota_sandvicensis	New South Wales: Algae Hole North, Lord Howe	Australia	-31.52499962	159.0599976
Dictyota_liturata	New South Wales: Split Rock, Lord Howe	Australia	-31.58399963	159.0659943
Styopodium_flabelliforme	New South Wales: Split Rock, Lord Howe	Australia	-31.5836	159.06583
Dictyota_sandvicensis	New South Wales: Yellow Rock, Lord Howe I.	Australia	-31.51499939	159.0339966
Dictyota_sandvicensis	New South Wales: Yellow Rock, Lord Howe I.	Australia	-31.51499939	159.0339966

Dictyota_ceylanica3	New South Wales: Yellow Rock, Lord Howe I.	Australia	-31.51499939	159.0339966
Dictyota_ceylanica3	New South Wales: Yellow Rock, Lord Howe I.	Australia	-31.51499939	159.0339966
Dictyota_nigricans	Western Australia: Mutton Bird I.	Australia	-35.0475	117.69389
Zonaria_sp7	Western Australia: Mutton Bird I.	Australia	-35.0475	117.69389
Zonaria_sp7	Western Australia: Mutton Bird I.	Australia	-35.0475	117.69389
Dictyota_acutiloba1	Western Australia: Mutton Bird I.	Australia	-35.0475	117.69389
Padina_sp10	Western Australia: Mutton Bird I.	Australia	-35.0475	117.69389
Dictyota_polyclada3	Western Australia: Little Beach	Australia	-34.97163	118.19599
Dictyota_nigricans	Western Australia: Little Beach	Australia	-34.97163	118.19599
Dictyota_nigricans	Western Australia: Little Beach	Australia	-34.97163	118.19599
Dictyota_sp45	Western Australia: Little Beach	Australia	-34.97163	118.19599
Dictyota_nigricans	Western Australia: Little Beach	Australia	-34.97163	118.19599
Dictyota_paniculata	Western Australia: Little Beach	Australia	-34.97163	118.19599
Canistrocarpus_cervicornis	Western Australia: Little Beach	Australia	-34.97200012	118.1959991
Zonaria_spiralis	Western Australia: Little Beach	Australia	-34.97163	118.19599
Canistrocarpus_cervicornis	Western Australia: Little Beach	Australia	-34.97163	118.19599
Dilophus_fastigiatus	Western Australia: Windy Harbour	Australia	-34.8375	116.01425
Padina_sp10	Western Australia: Windy Harbour	Australia	-34.8375	116.01425
Dictyota_paniculata	Western Australia: Cape Leeuwin Lighthouse	Australia	-34.37167	115.1363
Dictyota_paniculata	Western Australia: Cape Leeuwin Lighthouse	Australia	-34.37200165	115.1360016
Padina_sp10	Western Australia: Cape Leeuwin Lighthouse	Australia	-34.37167	115.1363
Dilophus_fastigiatus	Western Australia: Cape Leeuwin Lighthouse	Australia	-34.37167	115.1363
Dilophus_gunnianus	Western Australia: Cape Leeuwin Lighthouse	Australia	-34.37167	115.1363
Zonaria_sp7	Western Australia: Cozy Corner (Knobby Pt.)	Australia	-34.25595	115.02777
Canistrocarpus_cervicornis	Western Australia: Cozy Corner (Knobby Pt.)	Australia	-34.25595	115.02777
Canistrocarpus_cervicornis	Western Australia: Cozy Corner (Knobby Pt.)	Australia	-34.25595	115.02777
Dilophus_robustus2	Western Australia: Cozy Corner (Knobby Pt.)	Australia	-34.25595	115.02777
Dictyopteris_sp7	Western Australia: Cozy Corner (Knobby Pt.)	Australia	-34.25595	115.02777
Dictyota_nigricans	Western Australia: Canal Rocks	Australia	-33.66935	114.99531
Dilophus_robustus2	Western Australia: Canal Rocks	Australia	-33.66935	114.99531
Rugulopteryx_radicans	Western Australia: Canal Rocks	Australia	-33.66935	114.99531

Dictyota_nigricans	Western Australia: Canal Rocks	Australia	-33.66935	114.99531
Styopodium_sp5	Western Australia: Canal Rocks	Australia	-33.66935	114.99531
Padina_sp10	Western Australia: Canal Rocks	Australia	-33.66935	114.99531
Zonaria_sp5	Western Australia: Canal Rocks	Australia	-33.66935	114.99531
Zonaria_sp5	Western Australia: Canal Rocks	Australia	-33.66935	114.99531
Dictyota_nigricans	Western Australia: Canal Rocks	Australia	-33.66935	114.99531
Zonaria_sp7	Western Australia: Canal Rocks	Australia	-33.66935	114.99531
Dictyota_cyanoloma	Western Australia: Blackwall Reach, Swan River	Australia	-32.02101	115.78316
Dictyota_sp45	Western Australia: Ricey Beach, Rottnest I.	Australia	-32.00016	115.49003
Zonaria_sp7	Western Australia: Ricey Beach, Rottnest I.	Australia	-32.00016	115.49003
Canistrocarpus_cervicornis	Western Australia: Ricey Beach, Rottnest I.	Australia	-32	115.4899979
Canistrocarpus_cervicornis	Mindoro Oriental: Roxas port, Roxas	Philippines	12.58500004	121.5230026
Dictyota_sp17	Oriental Mindoro: South Balatasan	Philippines	12.294152	121.384047
Dictyota_sp17	Oriental Mindoro: South Balatasan	Philippines	12.294152	121.384047
Dictyota_binghamiae	British Columbia: Lost Islands, SE wall, Gwaii Haanas	Canada	52.80064	-131.48405
Dictyota_binghamiae	British Columbia: Lost Islands, SE wall, Gwaii Haanas	Canada	52.80064	-131.48405
Dictyota_binghamiae	British Columbia: Lost Islands, SE wall, Gwaii Haanas	Canada	52.80064	-131.48405
Dictyota_binghamiae	British Columbia: Murchison Is., East End, Gwaii Haanas	Canada	52.60585	-131.43289
Dictyota_binghamiae	British Columbia: Bolkus Islands (Kelp bed to NE), Gwaii Haanas	Canada	52.33169	-131.25499
Dictyota_humifusa	Cocos (Keeling) Islands: Seagrass Meadows (inner lagoon)	Australia	-121.0476	96.8584
Zonaria_diesingiana	New South Wales: Sidney: Manley Beach	Australia	-33.7986	151.292
Dictyota_intermedia	New South Wales: Lord Howe Island	Australia	-31.5537	159.075
Dictyota_ciliolata	New South Wales: Lord Howe Island: Neds Beach	Australia	-31.541744	159.085027
Padina_gymnospora.c	New South Wales: Lord Howe Island: Neds Beach	Australia	-31.541744	159.085027
Homoeostrichus_sp1	New South Wales: Lord Howe Island: Admiralty Group: Roach	Australia	-31.5001	159.071
Dictyota_ceylanica5	Hall Islands: Nomwin	Micronesia	8.450583	151.715183
Dictyota_dichotoma2	Kanagawa Prefecture: Aburatsubo	Japan	35.158922	139.617357
Dictyota_dichotoma2	Kanagawa: Aburatsubo	Japan	35.210681	139.59697
Padina_australis	Oahu: Kaawa Beach Park	Hawaii	21.553339	-157.84708
Padina_okinawaensis.c	Oahu: Hahaha Bay	Hawaii	20.861111	-156.136111
Padina_okinawaensis.c	Oahu: Kaawa Beach Park	Hawaii	21.554195	-157.849924

Padina_okinawaensis.c	Oahu: Kaawa Beach Park	Hawaii	21.554195	-157.849924
Padina_sanctaerucis.1	Oahu: Hahaha Bay	Hawaii	20.861111	-156.136111
Padina_sanctaerucis.1	Oahu: Kaawa Beach Park	Hawaii	21.554195	-157.849924
Padina_sanctaerucis.1	Oahu: Kaulou Regional Park	Hawaii	21.513983	-157.832736
Padina_sanctaerucis.1	Oahu: Popukea Beach Park	Hawaii	21.626543	-158.075892
Dictyota_implexa	Florida: Indian River Lagoon	U.S.A.	28.0553	-80.57616
Dictyota_liturata2	Kwazulu-Natal: Durban: Isipingo	South Africa	-30.025705	30.920677
Dictyota_humifusa	Kwazulu-Natal: Durban: Isipingo	South Africa	-30.025705	30.920677
Dictyota_humifusa	Kwazulu-Natal: Treasure Beach	South Africa	-29.948003	31.000961
Dictyota_liturata2	Kwazulu-Natal: Treasure Beach	South Africa	-29.948003	31.000961
Canistrocarpus_cervicornis	Bali: Kuta	Indonesia	-8.730536	115.157351
Canistrocarpus_crispatus	Bali: Kuta	Indonesia	-8.730536	115.157351
Dictyota_bartayresiana	Okinawa: Iriomote Island: Haemita Beach	Japan	24.27076	123.830924
Canistrocarpus_cervicornis	Okinawa: Iriomote Island: Sotobanari	Japan	24.35	123.726
Dictyota_bartayresiana	Okinawa: Iriomote Island	Japan	24.35	123.726
Canistrocarpus_cervicornis	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_ciliolata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Canistrocarpus_crispatus	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_bartayresiana	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_ciliolata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_friabilis1	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_ciliolata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_ciliolata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_ciliolata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_friabilis1	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Canistrocarpus_crispatus	Port Moresby: Lion Island	Papua New Guinea	-9.53791	147.278
Dictyota_stolonifera	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_stolonifera	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_ciliolata	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Canistrocarpus_crispatus	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_ciliolata	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294

Dictyota_bartayresiana	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_stolonifera	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_grossedentata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_hamifera	Port Moresby: Horse Shoe Reef	Papua New Guinea	-9.583	147.317
Dictyota_adnata	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_naevosa	Western Cape Province: False Bay: Strand	South Africa	-32.7259	17.9865
Dictyota_liturata2	Western Cape Province: False Bay: Strand	South Africa	-32.7259	17.9865
Dictyota_dichotoma1	Western Cape Province: False Bay: Strand	South Africa	-32.7259	17.9865
Dictyota_liturata2	Kwazulu-Natal: Durban: Isipingo	South Africa	-30.025705	30.920677
Dictyota_humifusa	Kwazulu-Natal: Durban: Isipingo	South Africa	-30.025705	30.920677
Dictyota_liturata2	Western Cape Province: False Bay: St. James	South Africa	-34.1196	18.46
Dictyota_naevosa	Kwazulu-Natal: Mission Rocks	South Africa	-28.276568	32.505798
Dictyota_ciliolata	Kunduchi	Tanzania	-6.67938	39.2253
Dictyota_dichotoma1	Provence-Alpes-Côte d'Azur: Le Dramont	France	43.413245	6.859487
Dictyota_rigida1	Kunduchi	Tanzania	-6.67938	39.2253
Dictyota_bartayresiana	Kunduchi	Tanzania	-6.67938	39.2253
Dictyota_dichotoma1	Nord-Pas-de-Calais: Audinghen: Cap Gris Nez	France	50.8707	1.58117
Dictyota_friabilis1	Hikkaduwa	Sri Lanka	6.129177	80.098284
Dictyota_friabilis1	Hikkaduwa	Sri Lanka	6.129177	80.098284
Dictyota_ciliolata	Beruwela	Sri Lanka	6.470924	79.972298
Dictyota_friabilis1	Beruwela	Sri Lanka	6.470924	79.972298
Canistrocarpus_crispatus	Beruwela: Confifi Beach	Sri Lanka	6.45352	79.9764
Canistrocarpus_crispatus	Beruwela: Confifi Beach	Sri Lanka	6.45352	79.9764
Dictyota_ciliolata	Beruwela: Confifi Beach	Sri Lanka	6.45352	79.9764
Dictyota_bartayresiana	Beruwela: Confifi Beach	Sri Lanka	6.45352	79.9764
Dictyota_friabilis1	Beruwela: Confifi Beach	Sri Lanka	6.45352	79.9764
Canistrocarpus_cervicornis	Beruwela: Confifi Beach	Sri Lanka	6.45352	79.9764
Dictyota_friabilis1	Beruwela	Sri Lanka	6.470924	79.972298
Dictyota_friabilis1	Negombo	Sri Lanka	7.213151	79.832045
Dictyota_grossedentata	Negombo	Sri Lanka	7.213151	79.832045
Canistrocarpus_cervicornis	Zanzibar: Kiwengwa	Tanzania	-5.988199	39.380754

Canistrocarpus_crispatus	Zanzibar: Kiwengwa	Tanzania	-5.988199	39.380754
Dictyota_ciliolata	Zanzibar: Kiwengwa	Tanzania	-5.988199	39.380754
Dictyota_humifusa	Zanzibar: Kiwengwa	Tanzania	-5.988199	39.380754
Dictyota_rigida1	Zanzibar: Kiwengwa	Tanzania	-5.988199	39.380754
Dictyota_humifusa	Zanzibar: Kiwengwa	Tanzania	-5.988199	39.380754
Dictyota_humifusa	Zanzibar: Paje	Tanzania	-6.268888	39.546318
Canistrocarpus_cervicornis	Zanzibar: Paje	Tanzania	-6.268888	39.546318
Canistrocarpus_crispatus	Zanzibar: Paje	Tanzania	-6.268888	39.546318
Dictyota_bartayresiana	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Dictyota_humifusa	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Dictyota_adnata	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Dictyota_adnata	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Canistrocarpus_crispatus	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Canistrocarpus_crispatus	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Dictyota_ciliolata	Hilutangan Island	Philippines	10.204408	123.985397
Canistrocarpus_crispatus	Hilutangan Island	Philippines	10.204408	123.985397
Dictyota_ciliolata	Hilutangan Island	Philippines	10.204408	123.985397
Canistrocarpus_cervicornis	Hilutangan Island	Philippines	10.204408	123.985397
Canistrocarpus_crispatus	Hilutangan Island	Philippines	10.204408	123.985397
Dictyota_ciliolata	Mactan Island	Philippines	10.284201	123.999295
Dictyota_friabilis1	Mactan Island	Philippines	10.284201	123.999295
Canistrocarpus_crispatus	Mactan Island	Philippines	10.284201	123.999295
Dictyota_ciliolata	Mactan Island	Philippines	10.284201	123.999295
Canistrocarpus_crispatus	Mactan Island	Philippines	10.284201	123.999295
Dictyota_ciliolata	Mactan Island	Philippines	10.284201	123.999295
Canistrocarpus_crispatus	Northern Samar: Urdaneta Bay	Philippines	12.546099	124.346692
Dictyota_intermedia	New South Wales: Arrawarra	Australia	-30.0602	153.203
Dictyota_acutiloba1	New South Wales: Split Solitary Island	Australia	-30.24	153.181
Dictyota_intermedia	New South Wales: Split Solitary Island	Australia	-30.24	153.181
Dictyota_grossedentata	Ari Atoll: Ellaidhoo	Maldives	4.00493	72.95
Dictyota_friabilis1	Ari Atoll: Ellaidhoo	Maldives	4.00493	72.95

Dictyota_humifusa	Ari Atoll: Ellaidhoo	Maldives	4.00493	72.95
Dictyota_adnata	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Canistrocarpus_cervicornis	Mtwara: Ruvula	Tanzania	-10.31735	40.39764
Canistrocarpus_crispatus	Mtwara: Ruvula	Tanzania	-10.31735	40.39764
Dictyota_ciliolata	Mtwara: Ruvula	Tanzania	-10.31735	40.39764
Canistrocarpus_crispatus	Mtwara: Ras Ruvula	Tanzania	-10.292963	40.406685
Dictyota_grossedentata	Mtwara	Tanzania	-10.26548	40.19306
Dictyota_humifusa	Mtwara	Tanzania	-10.26548	40.19306
Dictyota_stolonifera	Mtwara	Tanzania	-10.26548	40.19306
Canistrocarpus_cervicornis	Mtwara: Msimbati	Tanzania	-10.348188	40.448742
Dictyota_friabilis1	Mtwara: Msimbati	Tanzania	-10.348188	40.448742
Dictyota_rigida1	Mtwara: Msimbati	Tanzania	-10.348188	40.448742
Canistrocarpus_crispatus	Mtwara: Msimbati	Tanzania	-10.348188	40.448742
Canistrocarpus_cervicornis	Mtwara: Msimbati	Tanzania	-10.348188	40.448742
Dictyota_stolonifera	Mtwara: Mana Hawanja	Tanzania	-10.282862	40.38221
Dictyota_friabilis1	Inhaca: Ponta Tôrres	Mozambique	-26.0835	32.9627
Dictyota_humifusa	Mbudya Island	Tanzania	-6.653067	39.248486
Canistrocarpus_crispatus	Mbudya Island	Tanzania	-6.653067	39.248486
Dictyota_stolonifera	Zanzibar: Mnemba atoll	Tanzania	-5.820954	39.383926
Dictyota_grossedentata	Zanzibar: Mnemba atoll	Tanzania	-5.820954	39.383926
Dictyota_humifusa	Zanzibar: Mnemba atoll	Tanzania	-5.820954	39.383926
Canistrocarpus_cervicornis	Zanzibar: Matemwe	Tanzania	-5.857243	39.359894
Canistrocarpus_crispatus	Zanzibar: Pongwe	Tanzania	-6.031481	39.407101
Canistrocarpus_cervicornis	Mtwara: Ruvula	Tanzania	-10.31735	40.39764
Canistrocarpus_cervicornis	Rodrigues: Cotton Bay	Mauritius	-19.6796	63.4914
Canistrocarpus_cervicornis	Rodrigues: Gravieres	Mauritius	-19.7313	63.4813
Dictyota_bartayresiana	Rodrigues	Mauritius	-19.6895	63.3458
Canistrocarpus_cervicornis	Rodrigues	Mauritius	-19.6895	63.3458
Dictyota_friabilis1	Rodrigues: Chaland	Mauritius	-19.6707	63.417
Canistrocarpus_cervicornis	Rodrigues	Mauritius	-19.8296	63.3772
Dictyota_friabilis1	Rodrigues: Totor	Mauritius	-19.6706	63.4287

Canistrocarpus_crispatus	Tulear: Pointe Angèle	Madagascar	-23.437	43.6809
Canistrocarpus_cervicornis	Tulear: Pointe Angèle	Madagascar	-23.437	43.6809
Dictyota_ciliolata	Tulear: Pointe Angèle	Madagascar	-23.437	43.6809
Dictyota_friabilis1	Tulear: Pointe Angèle	Madagascar	-23.437	43.6809
Dictyota_bartayresiana	Tulear: Pointe Angèle	Madagascar	-23.437	43.6809
Dictyota_friabilis1	Tulear: Pointe Angèle	Madagascar	-23.437	43.6809
Dictyota_friabilis1	Tulear: Pointe Angèle	Madagascar	-23.437	43.6809
Dictyota_friabilis1	Tulear: Chenal	Madagascar	-23.4213	43.6821
Dictyota_friabilis1	Tulear: Chenal	Madagascar	-23.4213	43.6821
Dictyota_stolonifera	Tolanaro: Plage de Monseigneur	Madagascar	-25.035979	46.990225
Canistrocarpus_cervicornis	Tolanaro: Plage de Monseigneur	Madagascar	-25.035979	46.990225
Dictyota_ceylanica4	Dickwella	Sri Lanka	5.96118	80.6856
Dictyota_naevosa	Eastern Cape Province: Port St. Johns: Silaka Nature Reserve	South Africa	-31.615966	29.591675
Padina_antillarum.c	Weligama	Sri Lanka	5.958241	80.422668
Padina_antillarum.c	Thalaraba	Sri Lanka	5.936558	80.511246
Dictyota_dichotoma1	Western Cape Province: Strandfontein	South Africa	-30.9711	17.6534
Taonia_atomaria	Bretagne: Roscoff: Ile Verte	France	48.731555	-3.989466
Dictyota_dichotoma1	Bretagne: Roscoff: Ile Verte	France	48.731555	-3.989466
Dictyota_dichotoma1	Bretagne: Roscoff: Ile Verte	France	48.731555	-3.989466
Dictyota_dichotoma1	Bretagne: Roscoff: Ile Verte	France	48.731555	-3.989466
Dictyota_dichotoma1	Bretagne: Roscoff: Ile Verte	France	48.731555	-3.989466
Dictyota_liturata2	Western Cape Province: Strandfontein	South Africa	-30.9711	17.6534
Dictyopteris_polypodioides	Bretagne: St. Michel de Plouguerneau	France	48.635665	-4.519882
Padina_pavonica.2	Madeira: Funchal: Cais de Carvito	Portugal	32.633966	-16.940091
Styopodium_zonale	Madeira: Funchal: Cais de Carvito	Portugal	32.633966	-16.940091
Zonaria_tournefortii	Madeira: Funchal: Cais de Carvito	Portugal	32.633966	-16.940091
Styopodium_zonale	Madeira: Funchal: Cais de Carvito	Portugal	32.633966	-16.940091
Dictyota_dichotoma1	Madeira: Funchal: Cais de Carvito	Portugal	32.633966	-16.940091
Dictyota_spiralis	Madeira: Funchal: Cais de Carvito	Portugal	32.633966	-16.940091
Dictyota_pfaffii	Madeira: Funchal: Cais de Carvito	Portugal	32.633966	-16.940091
Dictyota_liturata	Madeira: Funchal: Cais de Carvito	Portugal	32.633966	-16.940091

Dictyota_fasciola	Madeira Island: Rais Magos	Portugal	32.602362	-16.803589
Padina_pavonica.2	Madeira Island: Rais Magos	Portugal	32.602362	-16.803589
Zonaria_tournefortii	Madeira Island: Rais Magos	Portugal	32.602362	-16.803589
Padina_pavonica.2	Madeira Island: Rais Magos	Portugal	32.602362	-16.803589
Dictyota_liturata	Madeira Island: Rais Magos	Portugal	32.602362	-16.803589
Dictyopteris_polypodioides	Madeira: Porto Santos	Portugal	33.0574	-16.3145
Dictyota_linearis	Madeira: Porto Santos	Portugal	33.0574	-16.3145
Dictyota_dichotoma1	Madeira: Porto Santos	Portugal	33.0574	-16.3145
Dictyota_sp5	Madeira: Porto Santos	Portugal	33.0574	-16.3145
Taonia_atomaria	Madeira Island: Rais Magos	Portugal	32.602362	-16.803589
Dictyota_cyanoloma	Madeira Island: Rais Magos	Portugal	32.602362	-16.803589
Dictyota_pfaffii	Madeira Island: Rais Magos	Portugal	32.602362	-16.803589
Dictyota_spiralis	Madeira: Porto da Cruz	Portugal	32.773275	-16.827058
Dictyota_liturata	Madeira: Porto da Cruz	Portugal	32.773275	-16.827058
Dictyota_sp3	Madeira: Porto da Cruz	Portugal	32.773275	-16.827058
Padina_boergesenii.b	Dickwella	Sri Lanka	5.96118	80.6856
Padina_boergesenii.b	Dickwella	Sri Lanka	5.96118	80.6856
Padina_okinawaensis.c	Kalpitiya	Sri Lanka	8.236648	79.744449
Padina_australis	Kalpitiya	Sri Lanka	8.23544	79.7678
Padina_okinawaensis.c	Beruwela: Conffi Beach	Sri Lanka	6.45352	79.9764
Dictyota_friabilis1	Beruwela	Sri Lanka	6.470924	79.972298
Canistrocarpus_cervicornis	Gulf of Thailand: Ko Samui: Wang Nai	Thailand	9.306298	99.917885
Dictyota_dichotoma1	Provence-Alpes-Côte d'Azur: Le Dramont	France	43.413245	6.859487
Padina_boryana	Chilaw	Sri Lanka	7.583733	79.786767
Dictyota_fasciola	Cyclades: Sikinos	Greece	36.697959	25.102145
Dictyota_fasciola	Provence-Alpes-Côte d'Azur: Le Dramont	France	43.413245	6.859487
Dictyota_dichotoma1	Nord-Pas-de-Calais: Audinghen: Pointe du Riden	France	50.8534	1.57732
Dictyota_dichotoma1	Finike	Turkey	36.2694	30.1509
Dictyota_dichotoma1	Bretagne: Roscoff	France	48.7278	-3.98227
Dictyota_dichotoma1	Languedoc-Roussillon: Banyuls: Cap du Troc	France	42.4805	3.14295
Dictyota_dichotoma1	Languedoc-Roussillon: Banyuls: Cap du Troc	France	42.4805	3.14295

Dictyota_fasciola	Cataluña: Gerona: Cadaques	Spain	42.280691	3.289473
Dictyota_dichotoma1	Nord-Pas-de-Calais: Boulogne: Pointe de la Crèche	France	50.7309	1.59046
Dictyota_dichotoma1	Bretagne: Roscoff: Ile Verte	France	48.731555	-3.989466
Dictyota_dichotoma1	Languedoc-Roussillon: Banyuls: Cap l'Abeille	France	42.478	3.15523
Dictyota_dichotoma1	Languedoc-Roussillon: Banyuls	France	42.478	3.15523
Dictyota_dichotoma1	Split	Croatia	43.498426	16.446545
Dictyota_dichotoma1	England: Devon: Salcombe: South Sands	United Kingdom	50.2235	-3.7801
Dictyota_dichotoma1	England: Cornwall: Mevagissey	United Kingdom	50.273034	-4.782105
Dictyota_dichotoma1	England: Cornwall: Mevagissey	United Kingdom	50.273034	-4.782105
Dictyota_dichotoma1	Isle of Wight: Bembridge	United Kingdom	50.6816	-1.06429
Dictyota_dichotoma1	Nord-Pas-de-Calais: Ambleteuse: Pointe aux Oies	France	50.788	1.60435
Dictyota_dichotoma1	Corsica: Calvi: Pointe de la Revellata	France	42.5854	8.72747
Dictyota_fasciola	Corsica: Calvi: Pointe de la Revellata	France	42.5854	8.72747
Dictyota_dichotoma1	Corsica: Calvi: Stareso	France	42.5802	8.72451
Dictyota_fasciola	Corsica: Calvi: Pointe d'Osceluccia	France	42.5742	8.72939
Dictyota_mediterranea	Corsica: Calvi: Pointe d'Osceluccia	France	42.5742	8.72939
Dictyota_fasciola	Corsica: Calvi: Pointe de la Revellata	France	42.5854	8.72747
Dictyota_dichotoma1	Corsica: Calvi: Pointe de la Revellata	France	42.5854	8.72747
Dictyota_dichotoma1	Corsica: Calvi: Pointe de la Revellata	France	42.5854	8.72747
Dictyota_dichotoma1	Nord-Pas-de-Calais: Wimereux: Ancien Fort de Croi	France	50.7645	1.6042
Dictyota_dichotoma1	Nord-Pas-de-Calais: Wimereux: Ancien Fort de Croi	France	50.7645	1.6042
Dictyota_dichotoma1	Bretagne: Roscoff: Ile Verte	France	48.731555	-3.989466
Dictyota_dichotoma1	Bretagne: Roscoff: Ile Verte	France	48.731555	-3.989466
Dictyota_dichotoma1	Corsica: Calvi: Pointe de la Revellata	France	42.5854	8.72747
Dictyota_dichotoma1	Languedoc-Roussillon: Banyuls	France	42.478	3.15523
Dictyota_dichotoma1	Nord-Pas-de-Calais: Audinghen: Pointe du Riden	France	50.8534	1.57732
Dictyota_dichotoma1	Corsica: Calvi: Stareso	France	42.5802	8.72451
Dictyota_dichotoma1	Corsica: Calvi: Stareso	France	42.5802	8.72451
Dictyota_dichotoma1	Corsica: Calvi: Mezzo Golfo	France	42.570941	8.784753
Dictyota_dichotoma1	Corsica: Calvi: Mezzo Golfo	France	42.570941	8.784753
Dictyota_dichotoma1	Languedoc-Roussillon: Banyuls	France	42.478	3.15523

Dictyota_dichotoma1	Languedoc-Roussillon: Banyuls: Cap l'Abeille	France	42.478	3.15523
Dictyota_dichotoma1	Languedoc-Roussillon: Banyuls: Cap l'Abeille	France	42.478	3.15523
Dictyota_dichotoma1	Nord-Pas-de-Calais: Audinghen: Pointe du Riden	France	50.8534	1.57732
Dictyota_dichotoma1	Provence-Alpes-Côte d'Azur: Le Dramont	France	43.413245	6.859487
Dictyota_bartayresiana	Madang Province: Bogia: Hansa Bay: Laing Island	Papua New Guinea	-4.1718	144.872417
Dictyota_stolonifera	Madang Province: Bogia: Hansa Bay: Durangit reef	Papua New Guinea	-4.1598	144.876
Dictyota_stolonifera	Madang Province: Bogia: Hansa Bay: Durangit reef	Papua New Guinea	-4.1598	144.876
Dictyota_stolonifera	Madang Province: Bogia: Hansa Bay: Bisalpap Reef	Papua New Guinea	-4.16775	144.875
Dictyota_stolonifera	Madang Province: Bogia: Hansa Bay: Bisalpap Reef	Papua New Guinea	-4.16775	144.875
Dictyota_adnata	Madang Province: Bogia: Hansa Bay: Awaro Point	Papua New Guinea	-4.13709	144.871
Dictyota_stolonifera	Madang Province: Bogia: Hansa Bay: Hansa Point	Papua New Guinea	-4.19052	144.911
Canistrocarpus_cervicornis	Madang Province: Bogia: Hansa Bay: Laing Island	Papua New Guinea	-4.1718	144.872417
Dictyota_stolonifera	Madang Province: Hansa Bay	Papua New Guinea	-4.19117	144.917
Dictyota_stolonifera	Madang Province: Bogia: Hansa Bay: Manam	Papua New Guinea	-4.030267	145.033975
Dictyota_stolonifera	Madang Province: Bogia: Hansa Bay: Laing Island	Papua New Guinea	-4.1718	144.872417
Dictyota_fasciola	Corsica: Calvi: Pointe d'Osceluccia	France	42.5742	8.72939
Dictyota_dichotoma1	Corsica: Calvi: Pointe d'Osceluccia	France	42.5742	8.72939
Dictyota_fasciola	Corsica: Calvi: Pointe d'Osceluccia	France	42.5742	8.72939
Dictyota_dichotoma1	Corsica: Calvi: Stareso	France	42.5802	8.72451
Dictyota_mertensii1	Long Island: Stella Maris Estate	Bahamas	23.564634	-75.319415
Dictyota_mertensii1	Long Island: Poseidon's Point	Bahamas	23.6376	-75.2743
Canistrocarpus_cervicornis	Long Island: Poseidon's Point	Bahamas	23.6376	-75.2743
Dictyota_implexa	Long Island	Bahamas	23.6041	-75.2671
Dictyota_dichotoma1	Corsica: Cap Corse: Centuri	France	42.966486	9.346419
Dictyota_dichotoma1	Nord-Pas-de-Calais: Wimereux: Ancien Fort de Croi	France	50.7645	1.6042
Dictyota_ciliolata	Mombasa: Nyali: Mc Kenzie Pt	Kenya	-4.0665	39.68918
Canistrocarpus_crispatus	Mombasa: Nyali: Mc Kenzie Pt	Kenya	-4.0665	39.68918
Canistrocarpus_crispatus	Mombasa: Nyali Beach	Kenya	-4.04404	39.7177
Canistrocarpus_crispatus	Gazi	Kenya	-4.45	39.533055
Dictyota_dichotoma1	Nord-Pas-de-Calais: Audinghen: Pointe du Riden	France	50.8534	1.57732
Canistrocarpus_crispatus	Mombasa: Nyali: Mc Kenzie Pt	Kenya	-4.0665	39.68918

Dictyota_rigida1	Mombasa: Nyali: Mc Kenzie Pt	Kenya	-4.0665	39.68918
Dictyota_bartayresiana	Mombasa: Nyali: Mc Kenzie Pt	Kenya	-4.0665	39.68918
Dictyota_bartayresiana	Mombasa: Shelly Beach	Kenya	-4.09613	39.6796
Dictyota_friabilis1	South Male Atoll: Biyadoo	Maldives	3.92181	73.4583
Dictyota_friabilis1	South Male Atoll: Biyadoo	Maldives	3.92181	73.4583
Dictyota_friabilis1	South Male Atoll: Biyadoo	Maldives	3.92181	73.4583
Dictyota_grossedentata	South Male Atoll: Biyadoo	Maldives	3.92181	73.4583
Dictyota_dichotoma1	Basse-Normandie: Cap de la Hague	France	49.717358	-1.949775
Canistrocarpus_cervicornis	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_bartayresiana	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_ciliolata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_grossedentata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_bartayresiana	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_bartayresiana	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_hamifera	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Canistrocarpus_cervicornis	Madang Province: Bogia: Hansa Bay: Laing Island	Papua New Guinea	-4.1718	144.872417
Dictyota_friabilis1	Madang Province: Bogia: Hansa Bay: Laing Island	Papua New Guinea	-4.1718	144.872417
Canistrocarpus_cervicornis	Madang Province: Bogia: Hansa Bay: Laing Island	Papua New Guinea	-4.1718	144.872417
Canistrocarpus_crispatus	Madang Province: Bogia: Hansa Bay: Laing Island	Papua New Guinea	-4.1718	144.872417
Dictyota_dichotoma1	Nord-Pas-de-Calais: Wimereux: Ancien Fort de Croi	France	50.7645	1.6042
Dictyota_dichotoma1	Zeeland: Zuid-Beveland: Yerseke	Netherlands	51.494378	4.057952
Canistrocarpus_crispatus	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_crispatus	Gazi	Kenya	-4.45	39.533055
Dictyota_adnata	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_cervicornis	Tiwi	Kenya	-4.245071	39.604446
Canistrocarpus_crispatus	Tiwi	Kenya	-4.245071	39.604446
Dictyota_ciliolata	Diani	Kenya	-4.2823	39.5988
Canistrocarpus_crispatus	Mombasa: Fort Jesus	Kenya	-4.069156	39.683597
Canistrocarpus_crispatus	Mombasa: Fort Jesus	Kenya	-4.069156	39.683597
Dictyota_rigida1	Mombasa: Fort Jesus	Kenya	-4.069156	39.683597
Dictyota_stolonifera	Mombasa: Nyali: Mc Kenzie Pt	Kenya	-4.0665	39.68918

Canistrocarpus_crispatus	Mombasa: Nyali: Mc Kenzie Pt	Kenya	-4.0665	39.68918
Dictyota_rigida1	Mombasa: Nyali: Mc Kenzie Pt	Kenya	-4.0665	39.68918
Canistrocarpus_cervicornis	Lamu: Ras Kitan	Kenya	-2.308513	40.904746
Canistrocarpus_cervicornis	Bali: Kuta	Papua New Guinea	-8.74	115.159
Canistrocarpus_crispatus	Bali: Kuta	Papua New Guinea	-8.74	115.159
Dictyota_fasciola	Provence-Alpes-Côte d'Azur: Le Dramont	France	43.413245	6.859487
Canistrocarpus_crispatus	Bali: Kuta	Papua New Guinea	-8.74	115.159
Canistrocarpus_crispatus	Bali: Kuta	Papua New Guinea	-8.74	115.159
Canistrocarpus_cervicornis	Gazi	Kenya	-4.45	39.533055
Dictyota_adnata	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_cervicornis	Mombasa: Nyali: Mc Kenzie Pt	Kenya	-4.0665	39.68918
Dictyota_humifusa	Mombasa: Nyali: Mc Kenzie Pt	Kenya	-4.0665	39.68918
Dictyota_bartayresiana	Shimoni	Kenya	-4.64727	39.3772
Canistrocarpus_cervicornis	Shimoni: Wasini Island	Kenya	-4.67816	39.373808
Dictyota_ciliolata	Shimoni: Wasini Island	Kenya	-4.67816	39.373808
Canistrocarpus_crispatus	Shimoni: Wasini Island	Kenya	-4.67816	39.373808
Canistrocarpus_cervicornis	Mombasa: Nyali Beach	Kenya	-4.04404	39.7177
Dictyota_ciliolata	Mombasa: Nyali Beach	Kenya	-4.04404	39.7177
Canistrocarpus_crispatus	Mombasa: Nyali Beach	Kenya	-4.04404	39.7177
Canistrocarpus_cervicornis	Mombasa: Nyali Beach	Kenya	-4.04404	39.7177
Canistrocarpus_cervicornis	Gazi	Kenya	-4.45	39.533055
Dictyota_bartayresiana	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_cervicornis	Madang Province: Bogia: Kolakola and Reamura Islet	Papua New Guinea	-4.2843	144.978
Canistrocarpus_cervicornis	Madang Province: Madang: Kranket Island: enclosed bay	Papua New Guinea	-5.19314	145.824
Canistrocarpus_cervicornis	Madang Province: Madang: Gossem Island	Papua New Guinea	-5.15716	145.805
Canistrocarpus_cervicornis	Madang Province: Bogia: Hansa Bay: Laing Island	Papua New Guinea	-4.1718	144.872417
Dictyota_dichotoma1	Provence-Alpes-Côte d'Azur: Le Dramont	France	43.413245	6.859487
Dictyota_bartayresiana	Madang Province: Bogia: Baral Point	Papua New Guinea	-4.189536	144.909898
Canistrocarpus_cervicornis	Madang Province: Suaru	Papua New Guinea	-4.364688	145.089823
Canistrocarpus_cervicornis	Madang Province: Suaru	Papua New Guinea	-4.364688	145.089823
Canistrocarpus_cervicornis	Madang Province: Hatzfeldhafen	Papua New Guinea	-3.819097	144.54098

Dictyota_hamifera	Madang Province: Saidor: Gumbi Bay	Papua New Guinea	-5.615	146.399
Canistrocarpus_cervicornis	Madang Province: Astrolabe Bay: Suit	Papua New Guinea	-5.61191	146.377
Canistrocarpus_crispatus	Madang Province: Madang: Kranket Island: enclosed bay	Papua New Guinea	-5.19314	145.824
Dictyota_stolonifera	Madang Province: Ulingan Bay	Papua New Guinea	-4.50012	145.461
Canistrocarpus_cervicornis	Madang Province: Ulingan Bay	Papua New Guinea	-4.50012	145.461
Dictyota_hamifera	Madang Province: Murukinam	Papua New Guinea	-4.6333333	145.5666667
Dictyota_friabilis1	Madang Province: Bogia: Hansa Bay: Laing Island	Papua New Guinea	-4.1718	144.872417
Dictyota_sandvicensis1	Hawaii: Oahu: Punaluu	U.S.A.	21.593823	-157.892776
Dictyota_acutiloba1	Hawaii: Oahu: Punaluu	U.S.A.	21.593823	-157.892776
Dictyota_dichotoma1	Nord-Pas-de-Calais: Audinghen: Pointe du Riden	France	50.8534	1.57732
Canistrocarpus_cervicornis	Vipingo	Kenya	-3.593899	39.891665
Dictyota_bartayresiana	Vipingo	Kenya	-3.593899	39.891665
Dictyota_adnata	Vipingo	Kenya	-3.593899	39.891665
Canistrocarpus_cervicornis	Vipingo	Kenya	-3.593899	39.891665
Canistrocarpus_crispatus	Vipingo	Kenya	-3.593899	39.891665
Canistrocarpus_crispatus	Vipingo	Kenya	-3.593899	39.891665
Dictyota_ciliolata	Vipingo	Kenya	-3.593899	39.891665
Canistrocarpus_crispatus	Vipingo	Kenya	-3.593899	39.891665
Canistrocarpus_crispatus	Vipingo	Kenya	-3.593899	39.891665
Canistrocarpus_crispatus	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_crispatus	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_cervicornis	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_crispatus	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_cervicornis	Mombasa: Nyali Beach	Kenya	-4.04404	39.7177
Canistrocarpus_crispatus	Mombasa: Nyali Beach	Kenya	-4.04404	39.7177
Dictyota_ciliolata	Mombasa: Nyali Beach	Kenya	-4.04404	39.7177
Canistrocarpus_crispatus	Gazi	Kenya	-4.45	39.533055
Dictyota_ciliolata	Gazi	Kenya	-4.45	39.533055
Dictyota_humifusa	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_crispatus	Gazi	Kenya	-4.45	39.533055
Dictyota_bartayresiana	Gazi	Kenya	-4.45	39.533055

Canistrocarpus_cervicornis	Gazi	Kenya	-4.45	39.533055
Dictyota_hamifera	Diani	Kenya	-4.2823	39.5988
Dictyota_bartayresiana	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_cervicornis	Watamu	Kenya	-3.36479	40.0066
Dictyota_adnata	Watamu	Kenya	-3.36479	40.0066
Canistrocarpus_crispatus	Gazi	Kenya	-4.45	39.533055
Dictyota_adnata	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_crispatus	Diani	Kenya	-4.2823	39.5988
Dictyota_humifusa	Diani	Kenya	-4.2823	39.5988
Dictyota_humifusa	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_crispatus	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_cervicornis	Gazi	Kenya	-4.45	39.533055
Dictyota_bartayresiana	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_crispatus	Bamburi	Kenya	-3.95641	39.7696
Canistrocarpus_cervicornis	Bamburi	Kenya	-3.95641	39.7696
Canistrocarpus_cervicornis	Bamburi	Kenya	-3.95641	39.7696
Dictyota_humifusa	Bamburi	Kenya	-3.95641	39.7696
Dictyota_ciliolata	Mombasa: Ras Iwetine	Kenya	-4.02129	39.7318
Dictyota_dichotoma1	Nord-Pas-de-Calais: Wimereux: Ancien Fort de Croi	France	50.7645	1.6042
Canistrocarpus_cervicornis	Mombasa: Mwamba Beach	Kenya	-4.074165	39.680954
Dictyota_bartayresiana	Mombasa: Mwamba Beach	Kenya	-4.074165	39.680954
Dictyota_humifusa	Mombasa: Mwamba Beach	Kenya	-4.074165	39.680954
Canistrocarpus_cervicornis	Mombasa: Mwamba Beach	Kenya	-4.074165	39.680954
Canistrocarpus_crispatus	Kanamai	Kenya	-3.55291	39.911623
Canistrocarpus_cervicornis	Shimoni	Kenya	-4.64727	39.3772
Dictyota_ciliolata	Shimoni	Kenya	-4.64727	39.3772
Dictyota_bartayresiana	Shimoni	Kenya	-4.64727	39.3772
Canistrocarpus_crispatus	Shimoni	Kenya	-4.64727	39.3772
Canistrocarpus_cervicornis	Msambweni	Kenya	-4.47584	39.5016
Dictyota_bartayresiana	Gazi: Kidogweni Creek	Kenya	-4.425252	39.514971
Canistrocarpus_crispatus	Gazi: Kidogweni Creek	Kenya	-4.425252	39.514971

Canistrocarpus_cervicornis	Gazi: Kidogoweni Creek	Kenya	-4.425252	39.514971
Canistrocarpus_cervicornis	Gazi: Kidogoweni Creek	Kenya	-4.425252	39.514971
Dictyota_humifusa	Gazi: Kidogoweni Creek	Kenya	-4.425252	39.514971
Dictyota_acutiloba1	Jubail: Abu Ali	Saudi Arabia	27.3528	49.539
Dictyota_acutiloba1	Jubail: Dauhat ad-Dafi: Pole Reef	Saudi Arabia	27.3192	49.4223
Dictyota_acutiloba1	Jubail: Abu Ali	Saudi Arabia	27.3357	49.4783
Dictyota_acutiloba1	Jubail: Abu Ali	Saudi Arabia	27.3483	49.4975
Dictyota_ciliolata	Jubail: Dauhat ad-Dafi: Pole Reef	Saudi Arabia	27.3192	49.4223
Dictyota_acutiloba1	Jubail: Dauhat ad-Dafi: Pole Reef	Saudi Arabia	27.3192	49.4223
Dictyota_ciliolata	Jubail: Abu Ali	Saudi Arabia	27.3483	49.4975
Dictyota_ciliolata	Jubail: Abu Ali: Antenna Reef	Saudi Arabia	27.3642	49.4661
Dictyota_ciliolata	Jubail: Abu Ali	Saudi Arabia	27.3483	49.4975
Dictyota_acutiloba1	Jubail: Abu Ali	Saudi Arabia	27.3483	49.4975
Dictyota_acutiloba1	Jubail: Ras az-Zaur	Saudi Arabia	27.4228	49.306
Dictyota_acutiloba1	Jubail: Ras az-Zaur	Saudi Arabia	27.4228	49.306
Dictyota_acutiloba1	Jubail: Abu Ali	Saudi Arabia	27.3357	49.4783
Dictyota_acutiloba1	Jubail: Dauhat ad-Dafi: Pole Reef	Saudi Arabia	27.3192	49.4223
Dictyota_ciliolata	Jubail: Abu Ali	Saudi Arabia	27.3531	49.5362
Dictyota_acutiloba1	Jubail: Abu Ali	Saudi Arabia	27.3531	49.5362
Dictyota_friabilis1	Karan	Saudi Arabia	27.7093	49.8309
Dictyota_acutiloba1	Jubail: Dauhat ad-Dafi: Twin Reef	Saudi Arabia	27.3584	49.4604
Dictyota_ciliolata	Jubail: Dauhat ad-Dafi: Twin Reef	Saudi Arabia	27.3584	49.4604
Dictyota_acutiloba1	Jubail: Dauhat ad-Dafi: West Reef	Saudi Arabia	27.339	49.375
Dictyota_dichotoma1	Nord-Pas-de-Calais: Wimereux: Ancien Fort de Croi	France	50.7645	1.6042
Dictyota_humifusa	Mombasa: Ras Iwetine	Kenya	-4.02129	39.7318
Canistrocarpus_cervicornis	Gazi: Chale Island	Kenya	-4.45	39.533055
Canistrocarpus_crispatus	Gazi: Chale Island	Kenya	-4.45	39.533055
Dictyota_bartayresiana	Gazi	Kenya	-4.45	39.533055
Canistrocarpus_cervicornis	Malindi: Casuarina Point	Kenya	-3.247327	40.142322
Dictyota_ciliolata	Mambrui	Kenya	-3.092994	40.160894
Dictyota_dichotoma1	Bretagne: Roscoff: Ile Verte	France	48.731555	-3.989466

Dictyota_dichotoma1	Bretagne: Roscoff: Ile Verte	France	48.731555	-3.989466
Dictyota_dichotoma1	Bretagne: St. Michel de Plouguerneau	France	48.635665	-4.519882
Canistrocarpus_cervicornis	Zanzibar: Uroa	Tanzania	-6.09558	39.436626
Canistrocarpus_cervicornis	Zanzibar: Chapwani Island	Tanzania	-6.127817	39.191163
Dictyota_bartayresiana	Zanzibar: Chapwani Island	Tanzania	-6.127817	39.191163
Canistrocarpus_cervicornis	Zanzibar: Bawi Island	Tanzania	-6.153786	39.132134
Dictyota_ciliolata	Zanzibar: Uroa	Tanzania	-6.09558	39.436626
Dictyota_bartayresiana	Zanzibar: Mbweni	Tanzania	-6.21049	39.1988
Dictyota_bartayresiana	Zanzibar: Mbweni	Tanzania	-6.21049	39.1988
Canistrocarpus_crispatus	Zanzibar: Mbweni	Tanzania	-6.21049	39.1988
Dictyota_ciliolata	Zanzibar: Matemwe	Tanzania	-5.857243	39.359894
Dictyota_bartayresiana	Tanjong Gul	Singapore	1.294111	103.657494
Canistrocarpus_cervicornis	Pereybere	Mauritius	-19.9937	57.587
Dictyota_humifusa	Pereybere	Mauritius	-19.9937	57.587
Dictyota_friabilis	Pereybere	Mauritius	-19.9937	57.587
Dictyota_bartayresiana	Pereybere	Mauritius	-19.9937	57.587
Dictyota_humifusa	Le Morne Braban	Mauritius	-20.419	57.3402
Dictyota_friabilis	Le Morne Braban	Mauritius	-20.419	57.3402
Dictyota_humifusa	Le Morne Braban	Mauritius	-20.419	57.3402
Dictyota_bartayresiana	Le Morne Braban	Mauritius	-20.419	57.3402
Dictyota_bartayresiana	Flic en Flac	Mauritius	-20.3074	57.3612
Dictyota_ciliolata	Espailat: Rio San Juan	Dominican Republic	19.6517	-70.0806
Dictyota_bartayresiana	Santo Domingo: Boca Chica	Dominican Republic	18.4434	-69.6105
Dictyota_bartayresiana	Puerto Plata: Puerto Plata	Dominican Republic	19.8009	-70.69
Dictyota_mertensii1	Puerto Plata: Puerto Plata	Dominican Republic	19.8009	-70.69
Dictyota_mertensii1	Puerto Plata: Puerto Plata	Dominican Republic	19.8009	-70.69
Dictyota_ciliolata	Puerto Plata: Puerto Plata	Dominican Republic	19.8009	-70.69
Dictyota_pinnatifida	Puerto Plata: Puerto Plata	Dominican Republic	19.8009	-70.69
Dictyota_caribaea	Espailat: Rio San Juan	Dominican Republic	19.6517	-70.0806
Dictyota_ciliolata	Espailat: Rio San Juan	Dominican Republic	19.6517	-70.0806
Dictyota_ciliolata	Espailat: Rio San Juan	Dominican Republic	19.6517	-70.0806

Dictyota_ciliolata	Espailat: Rio San Juan	Dominican Republic	19.6517	-70.0806
Canistrocarpus_cervicornis	Puerto Plata: Puerto Plata	Dominican Republic	19.8009	-70.69
Dictyota_pinnatifida	Samana: Samana	Dominican Republic	19.2007	-69.3339
Canistrocarpus_cervicornis	Réunion: Boucan cannot	Réunion	-21.030913	55.220774
Lobospira_bicuspidata	Western Australia: Carnac Island	Australia	-32.1235	115.663
Stypopodium_sp4	Marsa Alam	Egypt	24.70482	35.0908
Dictyota_ciliolata	El Quseir: Mangrove Bay	Egypt	25.939696	34.394889
Dictyota_pinnatifida	Florida: Indian River Lagoon: Jupiter	U.S.A.	26.99163	-80.09157
Dictyota_crenulata	Baja California Sur: Cabo San Lucas: Playa Santa Maria	Mexico	22.929909	-109.814768
Stypopodium_schimperi	Sinai: Gulf of Aqaba: Dahab	Egypt	28.433959	34.456483
Dictyota_sandvicensis	Sinai: Gulf of Aqaba: Dahab	Egypt	28.433959	34.456483
Dictyota_dichotoma1	Galicia: A Coruña: Isla de San Pedro	Spain	43.37838	-8.44763
Dictyota_friabilis1.d	Tahiti: Arue	French Polynesia	-17.52031	-149.54671
Dictyota_binghamiae	Baja California: La Bufadora	Mexico	31.72463	-116.71916
Dictyota_flabellata	Baja California: S of Bahia de Los Angeles: Islote Las Anima	Mexico	28.826889	-113.357139
Dictyota_flabellata	Baja California: S of Bahia de Los Angeles: Islote Las Anima	Mexico	28.826889	-113.357139
Dictyota_flabellata	Baja California: S of Bahia de Los Angeles: Islote Las Anima	Mexico	28.826889	-113.357139
Dictyota_flabellata	Baja California: S of Bahia de Los Angeles: Islote Las Anima	Mexico	28.826889	-113.357139
Dictyota_flabellata	Baja California: S of Bahia de Los Angeles: Islote Las Anima	Mexico	28.826889	-113.357139
Dictyota_flabellata	Baja California: S of Bahia de Los Angeles: Islote Las Anima	Mexico	28.826889	-113.357139
Dictyota_flabellata	Baja California: S of Bahia de Los Angeles: Islote Las Anima	Mexico	28.815461	-113.349466
Dictyota_sp20	Baja California: S of Bahia de Los Angeles: Punta Pescador	Mexico	28.937707	-113.381964
Dictyota_flabellata	Baja California: S of Bahia de Los Angeles: Punta Pescador	Mexico	28.937707	-113.381964
Dictyota_sp20	Baja California: S of Bahia de Los Angeles: Punta Pescador	Mexico	28.937707	-113.381964
Dictyota_flabellata	Baja California: S of Bahia de Los Angeles: Punta Pescador	Mexico	28.937707	-113.381964
Dictyota_flabellata	Baja California: S of Bahia de Los Angeles: Punta Pescador	Mexico	28.937707	-113.381964
Padina_arborescens.c	Baja California: Bahia de Los Angeles	Mexico	28.919208	-113.47936
Dictyota_flabellata	Baja California Sur: Santa Rosalia	Mexico	27.327445	-112.245297
Dictyota_flabellata	Baja California Sur: Santa Rosalia	Mexico	27.327445	-112.245297
Dictyota_flabellata	Baja California Sur: Santa Rosalia	Mexico	27.327445	-112.245297
Dictyota_flabellata	Baja California Sur: Santa Rosalia	Mexico	27.327445	-112.245297

Dictyota_flabellata	Baja California Sur: Santa Rosalia	Mexico	27.327445	-112.245297
Padina_arborescens.a	Baja California Sur: Santa Rosalia	Mexico	27.327445	-112.245297
Dictyota_flabellata	Baja California Sur: Bahia Concepcion: Playa Santispac	Mexico	26.761466	-111.889808
Padina_crassa.a	Baja California Sur: La Paz: Calerita	Mexico	24.354261	-110.28339
Dictyota_ceylanica5	Baja California Sur: La Paz: Playa La Concha	Mexico	24.201967	-110.300932
Dictyota_flabellata	Baja California Sur: La Paz: Playa La Concha	South-Korea	37.72648	129.067379
Dictyota_ceylanica5	Baja California Sur: La Paz: Playa La Concha	Mexico	24.201967	-110.300932
Dictyota_bartayresiana	Tahiti: Pirae	French Polynesia	-17.519858	-149.54519
Dictyota_flabellata	Baja California Sur: La Paz: Sausozo	Mexico	24.310911	-110.640805
Padina_psbA.sp1	Baja California Sur: Isla Espiritu Santo: Los Islotes	Mexico	24.598397	-110.401563
Padina_glabra	Baja California Sur: Isla Espiritu Santo: Los Islotes	Mexico	24.598397	-110.401563
Dictyota_binghamiae	Baja California: Kennedy Camp	Mexico	31.701015	-116.683345
Dictyota_binghamiae	Baja California: Kennedy Camp	Mexico	31.701015	-116.683345
Zonaria_farlowii	Baja California: Kennedy Camp	Mexico	31.701015	-116.683345
Dictyota_flabellata	Baja California: Bahia Todos Santos: La Joya	Mexico	31.718548	-116.667541
Dictyota_coriacea	Baja California: Bahia Todos Santos: La Joya	Mexico	31.718548	-116.667541
Dictyota_stolonifera	Al Bahr al Ahmar: Elphinstone Reef	Egypt	25.306713	34.856173
Canistrocarpus_cervicornis	Shikoku: Kochi Prefecture: Kashiwajima	Japan	32.773033	132.625418
Dictyota_dichotoma2	Shikoku: Kochi Prefecture: Kashiwajima	Japan	32.773033	132.625418
Dictyota_ceylanica4	Shikoku: Kochi Prefecture: Kashiwajima	Japan	32.773033	132.625418
Canistrocarpus_cervicornis	Shikoku: Kochi Prefecture: Kashiwajima	Japan	32.773033	132.625418
Dictyota_koreana	Shikoku: Kochi Prefecture: Kashiwajima	Japan	32.773033	132.625418
Dictyota_pfaffii	Shikoku: Kochi Prefecture: Kashiwajima	Japan	32.773033	132.625418
Dictyota_ceylanica4	Shikoku: Kochi Prefecture: Kashiwajima	Japan	32.773033	132.625418
Dictyota_dichotoma2	Shikoku: Kochi Prefecture: Kashiwajima	Japan	32.773033	132.625418
Dictyota_koreana	Shikoku: Ehime Prefecture: Komobuchi	Japan	33.20401	132.40564
Dictyota_koreana	Shikoku: Ehime Prefecture: Komobuchi	Japan	33.20401	132.40564
Dictyopteris_prolifera1	Shikoku: Kochi Prefecture: Tosakure	Japan	33.322293	133.246028
Dictyota_coriacea	Shikoku: Kochi Prefecture: Tosakure	Japan	33.322293	133.246028
Dictyota_dichotoma2	Shikoku: Kochi Prefecture: Tosakure	Japan	33.322293	133.246028
Dictyota_rigida2	Shikoku: Kochi Prefecture: Tosakure	Japan	33.322293	133.246028

Dictyota_anastomosans	Shikoku: Kochi Prefecture: Tosakure	Japan	33.322293	133.246028
Rugulopteryx_okamurae	Shikoku: Tokushima Prefecture: Izari	Japan	33.801265	134.669008
Dictyota_koreana	Shikoku: Tokushima Prefecture: Izari	Japan	33.801265	134.669008
Distromium_decumbens1	Shikoku: Tokushima Prefecture: Izari	Japan	33.801265	134.669008
Dictyota_coriacea2	Shikoku: Tokushima Prefecture: Izari	Japan	33.801265	134.669008
Rugulopteryx_okamurae	Shikoku: Tokushima Prefecture: Izari	Japan	33.801265	134.669008
Dictyota_koreana	Shikoku: Tokushima Prefecture: Izari	Japan	33.801265	134.669008
Rugulopteryx_okamurae	Shikoku: Tokushima Prefecture: Izari	Japan	33.801265	134.669008
Dictyopteris_prolifera1	Shikoku: Tokushima Prefecture: Izari	Japan	33.801265	134.669008
Dictyopteris_prolifera1	Honshu: Wakajama Prefecture: Shirahama	Japan	33.578138	135.417754
Zonaria_diesingiana	Honshu: Wakajama Prefecture: Shirahama	Japan	33.578138	135.417754
Homoeostrichus_sinclairii	Honshu: Shizuoka Prefecture: Shimoda	Japan	34.664967	138.943255
Padina_psbA.sp2	New South Wales: Woolgoolga	Australia	-30.10861	153.20775
Rugulopteryx_marginatus	New South Wales: Minnie Waters	Australia	-29.77608	153.3021
Dictyota_cyanoloma	New South Wales: Minnie Waters	Australia	-29.77608	153.3021
Padina_gymnospora.c	New South Wales: Minnie Waters	Australia	-29.77608	153.3021
Dictyota_bartayresiana	Tahiti: Faaa	French Polynesia	-17.548831	-149.618125
Padina_fraseri	New South Wales: Newcastle	Australia	-32.92765	151.79194
Styopodium_australasicum	New South Wales: Newcastle	Australia	-32.92765	151.79194
Dictyota_ceylanica1	Tahiti: Faaa	French Polynesia	-17.548831	-149.618125
Dictyota_ceylanica1	Tahiti: Faaa	French Polynesia	-17.548831	-149.618125
Rugulopteryx_marginatus	New South Wales: Newcastle	Australia	-32.92765	151.79194
Dictyota_cyanoloma	New South Wales: Newcastle	Australia	-32.92765	151.79194
Lobospira_bicuspidata	New South Wales: Jervis Bay: Bowen Island	Australia	-35.11184	150.76876
Dictyota_cyanoloma	New South Wales: Jervis Bay: Bowen Island	Australia	-35.11184	150.76876
Homoeostrichus_sinclairii	New South Wales: Jervis Bay: Bowen Island	Australia	-35.11184	150.76876
Lobospira_bicuspidata	New South Wales: Jervis Bay: Bowen Island	Australia	-35.11184	150.76876
Zonaria_diesingiana	New South Wales: Jervis Bay: Bowen Island	Australia	-35.11184	150.76876
Dictyopteris_muelleri	New South Wales: Jervis Bay: Bowen Island	Australia	-35.11184	150.76876
Padina_melemele.b	New South Wales: Jervis Bay: Bowen Island	Australia	-35.11184	150.76876
Lobospira_bicuspidata	New South Wales: Jervis Bay: Bowen Island	Australia	-35.11184	150.76876

Dictyota_hamifera	Tahiti: Afaahiti	French Polynesia	-17.738111	-149.262099
Dictyota_paniculata	Victoria: Walkerville	Australia	-38.86034	145.99999
Homoeostrichus_sinclairii	Victoria: Walkerville	Australia	-38.86034	145.99999
Zonaria_crenata	Victoria: Walkerville	Australia	-38.86034	145.99999
Zonaria_sp1	Victoria: Flinders	Australia	-38.47577	145.02865
Distromium_flabellatum	Victoria: Flinders	Australia	-38.47577	145.02865
Homoeostrichus_sp4	Victoria: Flinders	Australia	-38.47577	145.02865
Dictyota_dichotoma3	Victoria: Flinders	Australia	-38.47577	145.02865
Zonaria_sp1	Victoria: Flinders	Australia	-38.47577	145.02865
Dictyota_dichotoma3	Victoria: Flinders	Australia	-38.47577	145.02865
Rugulopteryx_radicans	Victoria: Flinders	Australia	-38.47577	145.02865
Dictyota_dichotoma3	Victoria: Flinders	Australia	-38.47577	145.02865
Zonaria_crenata	Victoria: Flinders	Australia	-38.47577	145.02865
Dictyota_dichotoma3	Victoria: Flinders	Australia	-38.47577	145.02865
Zonaria_crenata	Victoria: Flinders	Australia	-38.47577	145.02865
Zonaria_sp1	Victoria: Flinders	Australia	-38.47577	145.02865
Zonaria_sp1	Victoria: Flinders	Australia	-38.47577	145.02865
Homoeostrichus_sinclairii	Victoria: Flinders	Australia	-38.47577	145.02865
Dictyota_polyclada1	Victoria: Flinders	Australia	-38.47577	145.02865
Dictyota_diemensis	Victoria: Bellarine Peninsula: Point Lonsdale: Glaneuse Reef	Australia	-38.29141	144.60781
Dictyota_cyanoloma	Victoria: Bellarine Peninsula: Point Lonsdale: Glaneuse Reef	Australia	-38.29141	144.60781
Dictyopteris_muelleri	Victoria: Bellarine Peninsula: Point Lonsdale: Glaneuse Reef	Australia	-38.29141	144.60781
Homoeostrichus_sinclairii	South Australia: Port McDonnell	Australia	-38.06015	140.66291
Dictyota_paniculata	South Australia: Port McDonnell	Australia	-38.06015	140.66291
Dictyota_cyanoloma	South Australia: Port McDonnell	Australia	-38.06015	140.66291
Dictyota_alternifida	South Australia: Port McDonnell	Australia	-38.06015	140.66291
Dictyota_diemensis	South Australia: Port McDonnell	Australia	-38.06015	140.66291
Dictyota_diemensis	South Australia: Robe	Australia	-37.155036	139.744495
Dictyota_diemensis	South Australia: Port Noarlunga	Australia	-35.149126	138.465605
Dictyota_cyanoloma	South Australia: Port Noarlunga	Australia	-35.149126	138.465605
Dictyota_cyanoloma	South Australia: Port Noarlunga	Australia	-35.149126	138.465605

Dictyota_cyanoloma	South Australia: Port Noarlunga	Australia	-35.149126	138.465605
Dictyota_polyclada3	South Australia: Elliston	Australia	-33.652123	134.880312
Dictyota_acutiloba2	South Australia: Ceduna	Australia	-32.126484	133.670267
Dictyota_acutiloba2	South Australia: Fowlers Bay	Australia	-32.0134	132.46153
Padina_sp1	South Australia: Fowlers Bay	Australia	-32.0134	132.46153
Dictyota_acutiloba2	South Australia: Fowlers Bay	Australia	-32.0134	132.46153
Dilophus_gunnianus	South Australia: Fowlers Bay	Australia	-32.0134	132.46153
Dictyopteris_sp9	Western Australia: Esperance	Australia	-33.853052	121.904913
Rugulopteryx_radicans	Western Australia: Recherche Archipelago	Australia	-33.9128	121.87731
Rugulopteryx_radicans	Western Australia: Recherche Archipelago	Australia	-33.9128	121.87731
Dilophus_fastigiatus	Western Australia: Recherche Archipelago	Australia	-33.9128	121.87731
Dilophus_robustus1	Western Australia: Recherche Archipelago	Australia	-33.9128	121.87731
Dictyopteris_gracilis	Western Australia: Recherche Archipelago	Australia	-33.9128	121.87731
Rugulopteryx_radicans	Western Australia: Recherche Archipelago	Australia	-33.9128	121.87731
Rugulopteryx_radicans	Western Australia: Recherche Archipelago	Australia	-33.90933	121.90743
Dilophus_robustus2	Western Australia: Recherche Archipelago	Australia	-33.89759	121.90673
Dilophus_fastigiatus	Western Australia: Recherche Archipelago	Australia	-33.89759	121.90673
Dilophus_robustus1	Western Australia: Recherche Archipelago	Australia	-33.89759	121.90673
Dilophus_robustus1	Western Australia: Recherche Archipelago	Australia	-33.89759	121.90673
Dilophus_fastigiatus	Western Australia: Recherche Archipelago	Australia	-33.84108	121.933
Dictyota_polyclada3	Western Australia: Yallingup: Canal Rocks	Australia	-33.669519	114.994471
Dictyota_nigricans	Western Australia: Yallingup: Canal Rocks	Australia	-33.669519	114.994471
Dilophus_robustus2	Western Australia: Yallingup: Canal Rocks	Australia	-33.669519	114.994471
Scoresbyella_profunda	Western Australia: Yallingup: Canal Rocks	Australia	-33.669519	114.994471
Dictyota_rigida3	Western Australia: Yallingup: Canal Rocks	Australia	-33.669519	114.994471
Dictyota_acutiloba1	Western Australia: Cottesloe	Australia	-32.00687	115.7512
Dictyota_sp22	Western Australia: Rottnest Island: Roe Reef	Australia	-31.97419	115.53678
Dilophus_robustus2	Western Australia: Rottnest Island: Roe Reef	Australia	-31.97419	115.53678
Dictyota_sp23	Western Australia: Rottnest Island: Roe Reef	Australia	-31.97419	115.53678
Canistrocarpus_cervicornis	Western Australia: Rottnest Island: Roe Reef	Australia	-31.97419	115.53678
Dictyota_sp22	Western Australia: Rottnest Island: Roe Reef	Australia	-31.97419	115.53678

Scoresbyella_profunda	Western Australia: Rottnest Island: Roe Reef	Australia	-31.97419	115.53678
Dictyota_rigida3	Western Australia: Rottnest Island: Roe Reef	Australia	-31.97419	115.53678
Styopodium_flabelliforme2	Western Australia: Rottnest Island: Roe Reef	Australia	-31.97419	115.53678
Canistrocarpus_cervicornis	Western Australia: Rottnest Island: Roe Reef	Australia	-31.97419	115.53678
Dictyota_nigricans	Western Australia: Rottnest Island: Roe Reef	Australia	-31.97419	115.53678
Dictyota_rigida3	Western Australia: Rottnest Island: Roe Reef	Australia	-31.97419	115.53678
Dictyota_sp23	Western Australia: Rottnest Island: Roe Reef	Australia	-31.97419	115.53678
Dictyopteris_sp7	Western Australia: Rottnest Island: Roe Reef	Australia	-31.97419	115.53678
Dilophus_robustus1	Western Australia: Rottnest Island: Groper Canyon	Australia	-31.98157	115.52211
Dictyota_sp25	Western Australia: Rottnest Island: Groper Canyon	Australia	-31.98157	115.52211
Scoresbyella_profunda	Western Australia: Rottnest Island: Groper Canyon	Australia	-31.98157	115.52211
Dictyota_ciliolata	Western Australia: Port Denison: Leander Reef	Australia	-29.277648	114.912326
Dictyota_jamaicensis	Pernambuco: Ilha Santo Aleixo	Brazil	-8.611221	-35.025508
Dictyota_mertensii1	Pernambuco: Ilha Santo Aleixo	Brazil	-8.611221	-35.025508
Dictyopteris_delicatula3	Pernambuco: Ilha Santo Aleixo	Brazil	-8.611221	-35.025508
Dictyopteris_delicatula3	Pernambuco: Ilha Santo Aleixo	Brazil	-8.611221	-35.025508
Dictyota_liturata	Rio de Janeiro: Buzios: Praia do Forno	Brazil	-22.762257	-41.875187
Dictyota_dichotoma1	Rio de Janeiro: Buzios: Praia do Forno	Brazil	-22.762257	-41.875187
Dictyota_liturata	Rio de Janeiro: Buzios: Praia do Forno	Brazil	-22.762257	-41.875187
Dictyota_liturata	Rio de Janeiro: Buzios: Praia do Forno	Brazil	-22.762257	-41.875187
Dictyota_dichotoma1	Rio de Janeiro: Buzios: Praia do Forno	Brazil	-22.762257	-41.875187
Dictyopteris_sp2	Sao Paulo: Ubatuba: Fortaleza	Brazil	-23.531444	-45.161905
Dictyopteris_sp2	Sao Paulo: Ubatuba: Fortaleza	Brazil	-23.531444	-45.161905
Dictyota_jamaicensis	Sao Paulo: Ubatuba: Fortaleza	Brazil	-23.531444	-45.161905
Dictyopteris_sp12	Sao Paulo: Ubatuba: Fortaleza	Brazil	-23.531444	-45.161905
Dictyopteris_polypodioides	Rhodes: Kallithea	Greece	36.379198	28.240057
Styopodium_fabelliforme3	Marsa Alam	Egypt	24.70482	35.0908
Dictyota_mertensii1	St. Ann Parish: St. Ann's Bay: Drax Hall	Jamaica	18.442993	-77.182243
Canistrocarpus_cervicornis	St. Ann Parish: St. Ann's Bay: Drax Hall	Jamaica	18.442993	-77.182243
Dictyota_jamaicensis	St. Ann Parish: St. Ann's Bay: Drax Hall	Jamaica	18.444846	-77.180715
Dictyota_ciliolata	St. Ann Parish: St. Ann's Bay: Drax Hall	Jamaica	18.442993	-77.182243

Dictyota_implexa	St. Ann Parish: St. Ann's Bay: Drax Hall	Jamaica	18.442993	-77.182243
Dictyota_jamaicensis	St. Ann Parish: Discovery Bay	Jamaica	18.472913	-77.409958
Canistrocarpus_cervicornis	Mactan Island	Philippines	10.30223	124.01964
Dictyota_caribaea	Olango Island	Philippines	10.21509	123.99719
Canistrocarpus_cervicornis	Olango Island	Philippines	10.21509	123.99719
Dictyota_ciliolata	Olango Island	Philippines	10.21509	123.99719
Styopodium_flabelliforme1	Bohol: Cabilao Island	Philippines	9.89132	123.7597
Dictyota_canaliculata2.c	Bohol: Cabilao Island	Philippines	9.88574	123.75918
Canistrocarpus_cervicornis	Bohol: Panglao	Philippines	9.54354	123.75944
Dictyota_ceylanica5	Bohol: Panglao	Philippines	9.54354	123.75944
Canistrocarpus_crispatus	Bohol: Panglao	Philippines	9.54354	123.75944
Dictyota_ciliolata	Bohol: Panglao	Philippines	9.54354	123.75944
Dictyota_bartayresiana	Moorea: Cook Bay	French Polynesia	-17.490329	-149.825787
Padina_sanctaecrucis.1	Palawan: Busuanga: Cagbatan	Philippines	11.964769	120.180216
Dictyota_stolonifera	Luzon: Sorsogon: Bulusan: Dancalan	Philippines	12.848959	124.152889
Canistrocarpus_crispatus	Luzon: Sorsogon: Bulusan: Dancalan	Philippines	12.848959	124.152889
Taonia_atomaria	Cataluña: Gerona: Cap Creus	Spain	42.31948	3.32341
Canistrocarpus_cervicornis	St. Ann Parish: Priory	Jamaica	18.449	-77.21668
Dictyota_pinnatifida	St. Ann Parish: Priory	Jamaica	18.449	-77.21668
Dictyota_bartayresiana	St. Ann Parish: Priory	Jamaica	18.449	-77.21668
Dictyota_mertensii2	St. Ann Parish: Priory	Jamaica	18.455715	-77.225947
Canistrocarpus_cervicornis	St. Ann Parish: St. Ann's Bay	Jamaica	18.4505	-77.20985
Dictyota_mertensii2	St. Ann Parish: St. Ann's Bay: Drax Hall	Jamaica	18.442993	-77.182243
Dictyota_mertensii1	St. Ann Parish: St. Ann's Bay: Drax Hall	Jamaica	18.442993	-77.182243
Canistrocarpus_cervicornis	St. Ann Parish: St. Ann's Bay: Drax Hall	Jamaica	18.442993	-77.182243
Dictyota_caribaea	St. Ann Parish: St. Ann's Bay: Drax Hall	Jamaica	18.442993	-77.182243
Dictyota_ciliolata	St. Ann Parish: St. Ann's Bay: Drax Hall	Jamaica	18.442993	-77.182243
Dictyota_implexa	St. Ann Parish: Priory: Chris Cove	Jamaica	18.45637	-77.23251
Dictyota_pinnatifida	St. Ann Parish: Priory: Chris Cove	Jamaica	18.45637	-77.23251
Dictyota_caribaea	St. Ann Parish: Priory: Sponge Gardens	Jamaica	18.45482	-77.22123
Dictyota_sp11	St. Ann Parish: Priory: The Wall	Jamaica	18.45515	-77.22256

Dictyota_dichotoma1	Nord-Pas-de-Calais: Cap Gris Nez	France	50.8717	1.58795
Dictyota_dichotoma1	Zeeland: Schouwen-Duiveland: de Val	Netherlands	51.627208	3.920274
Dictyota_dichotoma1	Nord-Pas-de-Calais: Cap Gris Nez	France	50.8717	1.58795
Dictyota_dichotoma1	Nord-Pas-de-Calais: Cap Gris Nez	France	50.8717	1.58795
Dictyota_dichotoma1	Nord-Pas-de-Calais: Cap Gris Nez	France	50.8717	1.58795
Dictyota_dichotoma1	Nord-Pas-de-Calais: Cap Gris Nez	France	50.8717	1.58795
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Zeeland: Schouwen-Duiveland: de Val	Netherlands	51.627208	3.920274
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Zeeland: Schouwen-Duiveland: de Val	Netherlands	51.627208	3.920274
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Moustierlin: Pointe de Moustierlin	France	47.8442	-4.04061
Dictyota_dichotoma1	Bretagne: Roscoff	France	48.7278	-3.98227
Dictyota_dichotoma1	Bretagne: Roscoff	France	48.7278	-3.98227
Dictyota_dichotoma1	Bretagne: Roscoff	France	48.7278	-3.98227
Dictyota_dichotoma1	Bretagne: Roscoff	France	48.7278	-3.98227
Dictyota_dichotoma1	Bretagne: Roscoff	France	48.7278	-3.98227
Dictyota_dichotoma1	Bretagne: Roscoff	France	48.7278	-3.98227
Dictyota_dichotoma1	Bretagne: Roscoff	France	48.7278	-3.98227
Dictyota_dichotoma1	Zeeland: Schouwen-Duiveland: de Val	Netherlands	51.627208	3.920274

Dictyota_dichotoma1	Bretagne: Dinard: St-Enogat	France	48.637	-2.085
Dictyota_dichotoma1	Bretagne: Dinard: St-Enogat	France	48.637	-2.085
Dictyota_dichotoma1	Bretagne: Dinard: St-Enogat	France	48.637	-2.085
Dictyota_dichotoma1	Bretagne: Dinard: St-Enogat	France	48.637	-2.085
Dictyota_dichotoma1	Bretagne: Dinard: St-Enogat	France	48.637	-2.085
Dictyota_dichotoma1	Bretagne: Dinard: St-Enogat	France	48.637	-2.085
Dictyota_dichotoma1	Bretagne: Dinard: St-Enogat	France	48.637	-2.085
Dictyota_dichotoma1	Bretagne: Dinard: St-Enogat	France	48.637	-2.085
Dictyota_dichotoma1	Bretagne: Dinard: St-Enogat	France	48.637	-2.085
Dictyota_dichotoma2	Anin	South-Korea	37.72648	129.067379
Dictyota_dichotoma2	Jeolabukdo: Gyokpo	South-Korea	34.908228	128.721096
Dictyota_dichotoma2	Jeolabukdo: Gyokpo	South-Korea	34.908228	128.721096
Dictyota_koreana	Daejin	Korea	37.559173	129.120554
Dictyota_dichotoma2	Gyungsangbuk-do: Pohang: Guryongpo	Korea	35.801867	129.503291
Dictyota_koreana	Busan: Gijang-gun	Korea	35.220723	129.251773
Dictyota_koreana	Gyoungsangnamdo: Haegumgang	South-Korea	34.987227	128.82646
Dictyota_koreana	Namhae	South-Korea	34.7463	127.848792
Dictyota_koreana	Wando	South-Korea	34.300259	126.765364
Dictyota_koreana	Jeollanam-do: Heuksando	South-Korea	34.671569	125.448485
Dictyota_pardalis	Chungcheongdo: Manripo	South-Korea	36.788706	126.130254
Dictyota_pardalis	Chungcheongdo: Manripo	South-Korea	36.788706	126.130254
Dictyota_coriacea	Gyoam	South-Korea	38.290146	128.549424
Dictyota_coriacea	Anin	South-Korea	37.72648	129.067379
Dictyota_dichotoma2	Gyoungsangnamdo: Sangjokam	South-Korea	34.900717	128.268301
Dictyota_coriacea	Dolsando	South-Korea	34.604297	127.730529
Dictyota_coriacea	Jeollanam-do: Heuksando	South-Korea	34.671569	125.448485
Dictyota_dichotoma2	Dolsando	South-Korea	34.604297	127.730529
Rugulopteryx_okamurae	Haegumgang	Korea	34.732615	128.634178
Rugulopteryx_okamurae	Seongsan	South-Korea	33.463061	126.93982
Dictyopteris_divaricata	Anin	South-Korea	37.72648	129.067379
Dictyopteris_divaricata	Chungcheongdo: Manripo	South-Korea	36.788706	126.130254

<i>Dictyopteris_divaricata</i>	Jeollanam-do: Heuksando	South-Korea	34.671569	125.448485
<i>Dictyopteris_prolifera1</i>	Gyungsoangbuk-do: Pohang: Guryongpo	Korea	35.801867	129.503291
<i>Dictyopteris_prolifera1</i>	Hachuja	Korea	33.955908	126.321597
<i>Dictyopteris_prolifera1</i>	Hachuja	Korea	33.955908	126.321597
<i>Dictyopteris_prolifera1</i>	Hachuja	Korea	33.955908	126.321597
<i>Dictyopteris_latiuscula</i>	Haegumgang	Korea	34.732615	128.634178
<i>Dictyopteris_latiuscula</i>	Haegumgang	Korea	34.732615	128.634178
<i>Dictyopteris_latiuscula</i>	Gyoungsoangnamdo: Sangjokam	South Korea	34.900717	128.268301
<i>Dictyopteris_undulata</i>	Seongsan	South-Korea	33.463061	126.93982
<i>Dictyopteris_undulata</i>	Gyungsoangbuk-do: Pohang: Guryongpo	Korea	35.801867	129.503291
<i>Spatoglossum_crassum</i>	Anin	South-Korea	37.72648	129.067379
<i>Spatoglossum_crassum</i>	Dolsando	South-Korea	34.604297	127.730529
<i>Spatoglossum_pacificum</i>	Anin	South-Korea	37.72648	129.067379
<i>Padina_arborescens.b</i>	Uljin: Jukbyun	Korea	36.980941	129.416807
<i>Padina_crassa.b</i>	Gyungsoangbuk-do: Pohang: Guryongpo	Korea	35.801867	129.503291
<i>Padina_crassa.b</i>	Seongsan	South-Korea	33.463061	126.93982
<i>Padina_japonica</i>	Jeolabukdo: Gyokpo	South-Korea	34.908228	128.721096
<i>Distromium_decumbens1</i>	Gyungsoangbuk-do: Pohang: Guryongpo	Korea	35.801867	129.503291
<i>Dictyota_dichotoma2</i>	Gyoam	South-Korea	38.290146	128.549424
<i>Dictyota_dichotoma1</i>	Galway	Ireland	53.265167	-9.046558
<i>Padina_antillarum.d</i>	India: West Bengal: Gariahat	India	21.430934	88.940331
<i>Padina_melemele.g</i>	Passe Tomboo	New Caledonia	-21.575962	165.138837
<i>Padina_melemele.c</i>	Koumac	New Caledonia	-20.572372	164.245568
<i>Padina_stipitata</i>	Poindimié	New Caledonia		
<i>Padina_stipitata</i>	Touho	New Caledonia		
<i>Padina_australis</i>	Balabio	New Caledonia		
<i>Padina_melemele.c</i>		New Caledonia	-21.575962	165.138837
<i>Padina_sp2</i>	Loyalty Islands: Lifou	New Caledonia	-20.89195	167.27395
<i>Padina_sp2</i>	not specified	New Caledonia	-22.25945	166.286417
<i>Padina_macrophylla</i>	Goro	New Caledonia		
<i>Padina_sp3</i>	Touho	New Caledonia	-20.595	165.177783

<i>Padina_okinawaensis.a</i>	Koumac	New Caledonia	-20.572372	164.245568
<i>Padina_okinawaensis.c</i>	Lifou	New Caledonia		
<i>Padina_stipitata</i>	Ile des Pins	New Caledonia		
<i>Padina_melemele.c</i>	Ile des Pins	New Caledonia		
<i>Padina_macrophylla</i>		New Caledonia	-21.575962	165.138837
<i>Padina_macrophylla</i>		New Caledonia	-21.575962	165.138837
<i>Padina_australis</i>	Baie de Gadji: Ile des Pins	New Caledonia		
<i>Padina_australis</i>		New Caledonia		
<i>Padina_okinawaensis.c</i>	Baa Atoll	Maldives		
<i>Padina_okinawaensis.c</i>	Baa Atoll	Maldives	5.147307	72.950088
<i>Padina_okinawaensis.c</i>	Baa Atoll	Maldives	5.147307	72.950088
<i>Padina_okinawaensis.c</i>	Baa Atoll	Maldives	5.147307	72.950088
<i>Padina_okinawaensis.c</i>	Baa Atoll	Maldives	5.147307	72.950088
<i>Padina_okinawaensis.b</i>	Baa Atoll	Maldives	5.147307	72.950088
<i>Padina_okinawaensis.c</i>	Okinawa, Iriomote Island, Hinai	Japan	24.271558	123.727343
<i>Padina_terricolor</i>	Okinawa Prefecture: Iriomote Island: Hoshizuna Beach	Japan	24.261534	123.802645
<i>Padina_undulata.jonesii</i>	Okinawa Prefecture: Iriomote Island: Hoshidate	Japan	24.261534	123.802645
<i>Padina_sanctaecrucis.1</i>	Okinawa Prefecture: Ishigaki Island: Mikara	Japan	24.398375	124.123147
<i>Padina_sanctaecrucis.1</i>	Okinawa Prefecture: Ishigaki Island: Fukido	Japan	24.398375	124.123147
<i>Styopodium_schimperi</i>		France	42.992438	5.83282
<i>Zonaria_angustata</i>	South Australia: Kangaroo Island: Emu Bay	Australia	-35.594573	137.511475
<i>Canistrocarpus_cervicornis</i>	St. Gilles	Réunion	-21.055551	55.217566
<i>Dictyota_dichotoma2</i>	Chiba: Marine Station	Japan	35.604259	35.604259
<i>Dictyota_dichotoma2</i>	Chiba: Marine Station	Japan	35.604259	35.604259
<i>Dictyota_dichotoma2</i>	Choshi	Japan	35.706614	140.835669
<i>Rugulopteryx_okamurae</i>	Choshi	Japan	35.723542	140.869009
<i>Dictyota_coriacea</i>	Choshi	Japan	35.723542	140.869009
<i>Dictyota_friabilis1</i>	Okinawa: Kerama Islands: Zamami-shima	Japan	26.234	127.33
<i>Dictyota_bartayresiana2</i>	Okinawa: Cape Maeda	Japan	26.444	127.773
<i>Dictyota_acutiloba1</i>	Okinawa: Onna	Japan	26.442	127.8
<i>Canistrocarpus_cervicornis</i>	Okinawa: Onna	Japan	26.442	127.8

Dictyopteris_sp10	Okinawa: Onna	Japan	26.442	127.8
Dictyota_friabilis1	Okinawa: Onna	Japan	26.443	127.785
Dictyopteris_sp8	Okinawa: Miyagi	Japan	26.3294	127.7435
Dictyota_rigida2	Kyushu: Kagoshima: Nangunn-Motomachi	Japan	31.2642	130.2162
Dictyota_liturata	Kyushu: Kagoshima: Nangunn-Motomachi	Japan	31.2642	130.2162
Dictyota_pfaffii	Kyushu: Kagoshima: Nangunn-Motomachi	Japan	31.2642	130.2162
Dictyota_ciliolata	Kyushu: Kagoshima: Nangunn-Motomachi	Japan	31.2632	130.22
Dictyota_koreana	Chiba: Katsuura	Japan	35.1388	140.3247
Canistrocarpus_cervicornis	Chiba: Katsuura	Japan	35.1388	140.3247
Dictyota_dichotoma2	Chiba: Katsuura	Japan	35.1388	140.3247
Dictyota_koreana	Okinawa: Kerama Islands: Zamami-shima	Japan	26.234	127.33
Dictyota_bartayresiana2	Okinawa: Cape Maeda	Japan	26.444	127.773
Dictyota_pfaffii	Okinawa: Cape Maeda	Japan	26.444	127.773
Dictyota_bartayresiana2	Okinawa: Onna	Japan	26.443	127.785
Dictyota_bartayresiana2	Okinawa: Miyagi	Japan	26.3294	127.7435
Dictyota_bartayresiana2	Okinawa: Miyagi	Japan	26.3294	127.7435
Canistrocarpus_crispatus	Queensland: Townsville: Kissing Point	Australia	-19.13	146.48
Dictyota_ceylanica5	Queensland: Lizard Island	Australia	-14.653055	145.44944
Dictyota_sp24	Queensland: Northwest Island	Australia	-23.306666	151.786111
Dictyota_liturata	Queensland: Heron Island	Australia	-23.4435	151.914
Dictyota_stolonifera	Queensland: Masthead Island: Masthead Reef	Australia	-23.53306	151.74694
Dictyota_linearis	Lagune de Thau	France	43.4185	3.65485
Dictyota_caribaea2	Veracruz: Punta puntilla	Mexico	18.7166667	-95.2833333
Dictyota_caribaea2	Veracruz: Playa hermosa	Mexico	18.674966	-95.130737
Canistrocarpus_cervicornis	Veracruz: El Morro	Mexico	19.147901	-96.09025
Dictyota_caribaea2	Veracruz: Playa hermosa	Mexico	18.674966	-95.130737
Dictyota_pleiacantha2	Veracruz: El Morro	Mexico	19.147901	-96.09025
Canistrocarpus_cervicornis	Veracruz: Villa Rica	Mexico	19.237394	-96.170721
Dictyota_rigida5	Sao Paulo	Brazil	-23.836834	-46.017819
Dictyota_pinnatifida	Quintana Roo: Isla Mujeres	Mexico	21.236474	-86.743877
Dictyota_guineensis	Quintana Roo: Punta Brava	Mexico	20.954691	-86.816805

<i>Dictyota guineensis</i>	Quintana Roo: Punta Brava	Mexico	20.954691	-86.816805
<i>Dictyota ceylanica</i> 3	Quintana Roo: Puerto Morelos	Mexico	20.846676	-86.872267
<i>Dictyota jamaicensis</i>	Quintana Roo: Akumal	Mexico	20.394516	-87.313814
<i>Dictyota guineensis</i>	Quintana Roo: Akumal	Mexico	20.394516	-87.313814
<i>Dictyota jamaicensis</i>	Quintana Roo: Akumal	Mexico	20.394516	-87.313814
<i>Dictyota pinnatifida</i>	Quintana Roo: Holbox: Playa Caracol	Mexico	21.525358	-87.388736
<i>Dictyota jamaicensis</i>	Quintana Roo: Holbox: Playa Caracol	Mexico	21.525358	-87.388736
<i>Dictyota mertensii</i> 1	Quintana Roo: Holbox: Playa Caracol	Mexico	21.525358	-87.388736
<i>Dictyota mertensii</i> 2	Quintana Roo: Isla Mujeres	Mexico	21.236474	-86.743877
<i>Dictyota mertensii</i> 2	Quintana Roo: Isla Mujeres	Mexico	21.236474	-86.743877
<i>Canistrocarpus cervicornis</i>	Veracruz: Playa Muñecos	Mexico	19.753505	-96.383329
<i>Dictyota ciliolata</i>	Veracruz: Playa Muñecos	Mexico	19.753505	-96.383329
<i>Canistrocarpus cervicornis</i>	Veracruz: Playa Muñecos	Mexico	19.753505	-96.383329
<i>Dictyota ciliolata</i>	Veracruz: Playa Muñecos	Mexico	19.753505	-96.383329
<i>Dictyota canariensis</i>	veracruz: Montepío	Mexico	18.646258	-95.075173
<i>Dictyota ciliolata</i>	veracruz: Montepío	Mexico	18.646258	-95.075173
<i>Dictyota ciliolata</i>	Veracruz: Punta Delgada	Mexico	19.125931	-96.099824
<i>Canistrocarpus cervicornis</i>	Veracruz: Punta Delgada	Mexico	19.125931	-96.099824
<i>Canistrocarpus cervicornis</i>	Veracruz: Punta Delgada	Mexico	19.125931	-96.099824
<i>Canistrocarpus cervicornis</i>	Veracruz: San Andrés Tuxtla: Balzapote	Mexico	18.664454	-95.128089
<i>Dictyotopsis propagulifera</i>	Queensland: Cooktown: Annan River	Australia	-15.532	145.271
<i>Dictyota ciliolata</i>	Lord Howe Island: Ryans Reef	Australia	-31.496356	159.064421
<i>Dilophus robustus</i> 2	Western Australia: Port Denison	Australia	-29.274034	114.911043
<i>Dilophus fastigiatus</i>	Western Australia: Port Denison	Australia	-29.274034	114.911043
<i>Dictyota diemensis</i>	South Australia: Aldinga	Australia	-35.269112	138.440527
<i>Dilophus gunnianus</i>	South Australia: Cape Jaffa	Australia	-36.940076	139.694023
<i>Dilophus gunnianus</i>	Western Australia: Hopetoun	Australia	-33.9519	120.124
<i>Dictyota diemensis</i>	Victoria: Warrnambool	Australia	-38.4033	142.48
<i>Dictyota alternifida</i>	South Australia: Port MacDonnel	Australia	-38.054726	140.707254
<i>Dictyota acutiloba</i> 1	Lord Howe Island: Neds Beach	Australia	-31.5167	159.066
<i>Dilophus fastigiatus</i>	South Australia: Sir Joseph Banks Group: Spilsby Island	Australia	-34.670975	136.347627

Dilophus_fastigiatus	South Australia: Sir Joseph Banks Group: Spilsby Island	Australia	-34.670975	136.347627
Dilophus_fastigiatus	South Australia: Sir Joseph Banks Group: Spilsby Island	Australia	-34.670975	136.347627
Rugulopteryx_radicans	South Australia: Sir Joseph Banks Group: Stickney Island	Australia	-34.680039	136.273769
Dilophus_fastigiatus	South Australia: Sir Joseph Banks Group: Reevesby Island	Australia	-34.505744	136.278249
Dictyota_cyanoloma	Victoria: Williamstown: Gloucester reserve	Australia	-37.869049	144.881838
Dictyota_cyanoloma	Victoria: Williamstown: Gloucester reserve	Australia	-37.869049	144.881838
Dictyota_sp26	North Carolina: Onslow Bay	United States of America	33.63556	-77.22168
Dictyota_polyclada1	South Australia: Spencer Gulf: Sir Joseph Banks Group: Langton	Australia	-34.592842	136.251572
Dilophus_fastigiatus	South Australia: Spencer Gulf: Sir Joseph Banks Group: Langton	Australia	-34.592842	136.251572
Padina_australis	Kepulauan Seribu: Karang Jong	Indonesia	-5.824159	106.692996
Padina_boryana	Kepulauan Seribu: Bidadari	Indonesia	-6.033947	106.746416
Padina_boryana	Kepulauan Seribu: Putri	Indonesia	-8.717471	115.268934
Padina_minor	Ishigaki Island	Japan	24.342295	124.148104
Dictyota_implexa	Naples: Posilipo	Italy	40.794	14.1934
Dictyota_dichotoma1	Naples: Posilipo	Italy	40.794	14.1934
Padina_japonica	Kagoshima: Koshiki Island	Japan	31.766079	129.802201
Dictyota_dichotoma1	Prvic Island: Kita	Croatia	44.953137	14.598083
Padina_pavonica.1a	Sicily: Catania	Italy	37.509135	15.109995
Padina_pavonica.1b	South East Sicily	Italy	36.750804	15.179208
Padina_ditristromatica	Napoli: Ischia: St. Angelo	Italy	40.69471	13.890347
Padina_ditristromatica	Napoli: Ischia: St. Angelo	Italy	40.69471	13.890347
Padina_ditristromatica	Napoli: Ischia: St. Angelo	Italy	40.69471	13.890347
Padina_ditristromatica	Napoli: Ischia: St. Angelo	Italy	40.69471	13.890347
Padina_pavonicoides	Cannes: Port Cap de la Croisette	France	43.545652	7.013608
Padina_maroensis	Necker Island	Hawaii	23.5744	-164.700052
Padina_usehtunii	Patheingyi (Bassein): Chaung Thar beach	Myanmar	16.638306	94.295589
Padina_usehtunii	Thandwel (Sandoway): Ngapali Beach	Myanmar	18.443331	94.314316
Padina_usehtunii	Thandwel (Sandoway): Ngapali Beach	Myanmar	18.443331	94.314316
Padina_boryana	Mon State: Kyaikkhami: Setsei	Myanmar	16.015673	97.561039
Padina_boryana	Thandwe (Sandoway): Ngapali Beach	Myanmar	18.443331	94.314316
Padina_pavonica.1d	Lesbos Island: Skala Mystegnon	Greece	39.363312	26.164341

Padina_fraseri	Queensland	Australia		
Dictyota_dhofarensis	Dhofar: Sath: Wadi Haart	Oman	17.05642	55.087938
Dictyota_liturata2	Kwazulu-Natal: Aliwal Shoal	South Africa	-30.25045	30.785502
Dictyota_liturata2	Western Cape Province: False Bay: St. James	South Africa	-34.1196	18.46
Dictyota_liturata2	Kwazulu-Natal: Aliwal Shoal	South Africa	-30.25045	30.785502
Dictyota_humifusa	Sodwana Bay	South Africa	-27.5406	32.6823
Dictyota_rigida4	Sodwana Bay: Adlams Reef	South Africa	-27.6509	32.668
Canistrocarpus_cervicornis	Sodwana Bay: Adlams Reef	South Africa	-27.6509	32.668
Dictyota_naevosa	Kwazulu-Natal: Mabibi	South Africa	-27.332717	32.754573
Dictyota_rigida4	Kwazulu-Natal: Mabibi	South Africa	-27.332717	32.754573
Dictyota_ciliolata	Kwazulu-Natal: Mabibi	South Africa	-27.332717	32.754573
Dictyota_ciliolata	Kwazulu-Natal: Mabibi	South Africa	-27.332717	32.754573
Canistrocarpus_cervicornis	Kwazulu-Natal: Maputoland: Rabbit Rock	South Africa	-27.169116	32.812954
Dictyota_naevosa	Kwazulu-Natal: Kosi Bay	South Africa	-26.90128	32.892531
Dictyota_liturata2	Kwazulu-Natal: Island Rock	South Africa	-27.26708	32.775069
Dictyota_liturata2	Kwazulu-Natal: Palm Beach	South Africa	-31.003067	30.269673
Dictyota_naevosa	Kwazulu-Natal: Palm Beach	South Africa	-31.003067	30.269673
Dictyota_liturata2	Kwazulu-Natal: Protea Banks: Southern Pinnacle	South Africa	-30.826933	30.4903
Rugulopteryx_suhrii	Kwazulu-Natal: Trafalgar: Broken Reef	South Africa	-30.959	30.3029
Rugulopteryx_suhrii	Kwazulu-Natal: Trafalgar: Broken Reef	South Africa	-30.959	30.3029
Dictyota_naevosa	Kwazulu-Natal: Shaka's Rock	South Africa	-29.520077	31.230585
Rugulopteryx_suhrii	Kwazulu-Natal: Mission Rocks	South Africa	-28.276568	32.505798
Rugulopteryx_suhrii	Kwazulu-Natal: Mission Rocks	South Africa	-28.276568	32.505798
Canistrocarpus_cervicornis	Kwazulu-Natal: Cape Vidal	South Africa	-28.116762	32.566581
Canistrocarpus_cervicornis	Kwazulu-Natal: Mission Rocks	South Africa	-28.276568	32.505798
Rugulopteryx_suhrii	Eastern Cape Province: Ntlonyana	South Africa	-32.208887	28.950656
Dictyota_liturata2	Eastern Cape Province: Ntlonyana	South Africa	-32.208887	28.950656
Dictyota_liturata2	Eastern Cape Province: Ntlonyana	South Africa	-32.208887	28.950656
Dictyota_naevosa	Eastern Cape Province: Hagahaga Mouth	South Africa	-32.762975	28.254513
Dictyota_naevosa	Kwazulu-Natal: Port Edward	South Africa	-31.06738	30.220148
Dictyota_hamifera	Sodwana Bay: Two Mile Reef	South Africa	-27.526213	32.681558

<i>Dictyota_liturata2</i>	Kwazulu-Natal: Island Rock	South Africa	-27.26708	32.775069
<i>Dictyota_naevosa</i>	Kwazulu-Natal: Mission Rocks	South Africa	-28.276568	32.505798
<i>Dictyota_liturata2</i>	Kwazulu-Natal: Protea Banks: Northern Pinnacle	South Africa	-30.826933	30.4903
<i>Rugulopteryx_suhrii</i>	Kwazulu-Natal: Protea Banks: Southern Pinnacle	South Africa	-30.826933	30.4903
<i>Rugulopteryx_suhrii</i>	Kwazulu-Natal: Port Edward	South Africa	-31.06738	30.220148
<i>Dictyota_ciliolata</i>	Kwazulu-Natal: Mabibi	South Africa	-27.332717	32.754573
<i>Zonaria_subarticulata</i>	Kwazulu-Natal: Protea Banks: Southern Pinnacle	South Africa	-30.826933	30.4903
<i>Distromium_skottsbergii</i>	Kwazulu-Natal: Protea Banks: Southern Pinnacle	South Africa	-30.826933	30.4903
<i>Dilophus_robustus3</i>	Kwazulu-Natal: Protea Banks: Northern Pinnacle	South Africa	-30.826933	30.4903
<i>Distromium_skottsbergii</i>	Kwazulu-Natal: Protea Banks: Northern Pinnacle	South Africa	-30.826933	30.4903
<i>Zonaria_subarticulata</i>	Kwazulu-Natal: Protea Banks: Southern Pinnacle	South Africa	-30.826933	30.4903
<i>Dictyota_naevosa</i>	Kwazulu-Natal: Mission Rocks	South Africa	-28.276568	32.505798
<i>Canistrocarpus_cervicornis</i>	Kwazulu-Natal: Mission Rocks	South Africa	-28.276568	32.505798
<i>Spatoglossum_sp</i>	Kwazulu-Natal: Cape Vidal	South Africa	-28.116762	32.566581
<i>Dictyota_liturata</i>	Western Cape Province: False Bay: St. James	South Africa	-34.1196	18.46
<i>Dictyota_sp7</i>	Kwazulu-Natal: Durban: Isipingo	South Africa	-30.025705	30.920677
<i>Dictyota_humifusa</i>	Kwazulu-Natal: Durban: Isipingo	South Africa	-30.025705	30.920677
<i>Rugulopteryx_suhrii</i>	Kwazulu-Natal: Palm Beach	South Africa	-31.003067	30.269673
<i>Dictyota_naevosa</i>	Kwazulu-Natal: Palm Beach	South Africa	-31.003067	30.269673
<i>Rugulopteryx_suhrii</i>	Kwazulu-Natal: Palm Beach	South Africa	-31.003067	30.269673
<i>Padina_sulcata</i>	Kepulauan Seribu: Sepa	Indonesia	-5.567048	106.591699
<i>Padina_okinawaensis.c</i>	Kepulauan Seribu: Kelapa	Indonesia	-5.656513	106.569949
<i>Padina_okinawaensis.c</i>	Kepulauan Seribu: Panjang	Indonesia	-5.645907	106.553383
<i>Padina_sulcata</i>	Kepulauan Seribu: Panjang	Indonesia	-5.917434	106.158472
<i>Padina_australis</i>	Kepulauan Seribu: Karang Jong	Indonesia	-5.824159	106.692996
<i>Padina_okinawaensis.c</i>	Kepulauan Seribu: Tidung Kecil	Indonesia	-5.798752	106.505698
<i>Padina_sulcata</i>	Kepulauan Seribu: Semak Daung	Indonesia	-5.727716	106.567002
<i>Padina_minor</i>	Kepulauan Seribu: Kotok Besar	Indonesia	-5.703081	106.538422
<i>Padina_okinawaensis.b</i>	Kepulauan Seribu: Lancang	Indonesia	-5.930062	106.591004
<i>Padina_tetrastromatica</i>	Kepulauan Seribu: Kelor	Indonesia	-6.025746	106.745393
<i>Padina_calcareia</i>	north of Babeldaob Island	Palau	7.954532	134.627698

Padina_usohtunii	Krabi Province: Ko Lanta Island	Thailand	7.615754	99.022037
Padina_usohtunii	Krabi Province: Ko Lanta Island	Thailand	7.615754	99.022037
Padina_usohtunii	Krabi Province: Ko Lanta Island	Thailand	7.615754	99.022037
Dictyota_acutiloba1	Hurghada	Egypt	27.233333	33.833333
Dictyota_acutiloba1	Hurghada	Egypt	27.233333	33.833333
Dictyota_acutiloba1	Hurghada	Egypt	27.233333	33.833333
Dictyota_dichotoma1	Helgoland	Germany	54.1812	7.88587
Dictyota_ciliolata	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Padina_pavonicoides	Asturias: Oviedo	Spain	43.659942	-5.849366
Padina_crassa.b	Hong Kong	China	22.290313	114.088992
Padina_antillarum.b	Cahuita	Costa Rica	9.740742	-82.823417
Padina_gymnospora.e	Cahuita	Costa Rica	9.740742	-82.823417
Padina_boergesenii.c	Cahuita	Costa Rica	9.740742	-82.823417
Padina_concrescens	Playa Coco	Costa Rica	11.136137	-85.80614
Padina_gymnospora.c	Western Australia	Australia	-32.471501	115.502893
Padina_18S.crassa				
Padina_18S.tenuis				
Dictyopteris_undulata	Jeollanam-do: Heuksando	South-Korea	34.671569	125.448485
Dictyopteris_undulata	Seongsan	South-Korea	33.463061	126.93982
Homoeostrichus_olsenii	South Australia: Nora Creina	Australia	-37.345058	139.862827
Padina_okinawaensis.b	Trang Province: Libong Island	Thailand	7.158981	99.364228
Padina_usohtunii	Trang Province: Ko Libong Island	Thailand	7.231431	99.362285
Padina_pavonica.1b	Catalunya: Llanca	Spain	42.367364	3.167227
Padina_pavonica.1a	Provence: Port-Cros	France	43.007939	6.378368
Padina_pavonicoides	Provence: Port-Cros	France	43.007939	6.378368
Padina_pavonicoides	Provence: Port-Cros	France	43.007939	6.378368
Zonaria_tournefortii	Îles d'Hyères: Port-Cros	France	43.0142	6.38927
Dictyota_fasciola	Hvar Island	Croatia	43.155	16.3866
Dictyota_implexa	Split	Croatia	43.5003	16.4461
Dictyota_implexa	Split	Croatia	43.5003	16.4461
Dictyota_fasciola	Split	Croatia	43.5003	16.4461

Dictyota_implexa	Split	Croatia	43.5003	16.4461
Dictyota_ceylanica4	New South Wales: Woolgoolga	Australia	-30.10861	153.20775
Dictyota_intermedia	New South Wales: Woolgoolga	Australia	-30.10861	153.20775
Dictyota_intermedia	New South Wales: Woolgoolga	Australia	-30.10861	153.20775
Dictyota_cyanoloma	New South Wales: Minnie Waters	Australia	-29.77608	153.3021
Dictyota_alternifida	New South Wales: Newcastle	Australia	-32.92765	151.79194
Dictyota_alternifida	New South Wales: Newcastle	Australia	-32.92765	151.79194
Dictyota_cyanoloma	New South Wales: Newcastle	Australia	-32.92765	151.79194
Dictyota_intermedia	New South Wales: Jervis Bay: Huskisson	Australia	-35.04976	150.67934
Dictyopteris_muelleri	New South Wales: Jervis Bay: Huskisson	Australia	-35.04976	150.67934
Lobospira_bicuspidata	New South Wales: Jervis Bay: Bowen Island	Australia	-35.11184	150.76876
Lobospira_bicuspidata	New South Wales: Jervis Bay: Bowen Island	Australia	-35.11184	150.76876
Dictyota_cyanoloma	New South Wales: Jervis Bay: Bowen Island	Australia	-35.11184	150.76876
Dictyopteris_muelleri	Victoria: Walkerville	Australia	-38.86034	145.99999
Dictyota_dichotoma3	Victoria: Walkerville	Australia	-38.86034	145.99999
Dictyota_diemensis	Victoria: Walkerville	Australia	-38.86034	145.99999
Padina_fraseri	Victoria: Walkerville	Australia	-38.86034	145.99999
Dictyota_diemensis	Victoria: Walkerville	Australia	-38.86034	145.99999
Dictyota_diemensis	Victoria: Walkerville	Australia	-38.86034	145.99999
Dictyota_dichotoma3	Victoria: Flinders	Australia	-38.47577	145.02865
Dictyota_dichotoma3	Victoria: Flinders	Australia	-38.47577	145.02865
Dictyota_diemensis	Victoria: Flinders	Australia	-38.47577	145.02865
Dictyota_diemensis	Victoria: Flinders	Australia	-38.47577	145.02865
Dictyota_polyclada1	Victoria: Flinders	Australia	-38.47577	145.02865
Dilophus_fastigiatus	Victoria: Flinders	Australia	-38.47577	145.02865
Dictyota_alternifida	Victoria: Bellarine Peninsula: Point Lonsdale: Glaneuse Reef	Australia	-38.29141	144.60781
Dilophus_fastigiatus	Victoria: Bellarine Peninsula: Point Lonsdale: Glaneuse Reef	Australia	-38.29141	144.60781
Dilophus_sp1	Victoria: Bellarine Peninsula: Queenscliff: Queenscliff Beach	Australia	-38.270374	144.663278
Dictyota_diemensis	South Australia: Port McDonnell	Australia	-38.06015	140.66291
Lobospira_bicuspidata	South Australia: Port McDonnell	Australia	-38.06015	140.66291
Dictyota_diemensis	South Australia: Port McDonnell	Australia	-38.05354	140.70523

Lobospira_bicuspidata	South Australia: Port McDonnell	Australia	-38.05354	140.70523
Dictyota_diemensis	South Australia: Robe	Australia	-37.155036	139.744495
Dictyota_diemensis	South Australia: Robe	Australia	-37.155036	139.744495
Dictyota_diemensis	South Australia: Robe	Australia	-37.155036	139.744495
Dictyota_diemensis	South Australia: Robe	Australia	-37.155036	139.744495
Dictyota_diemensis	South Australia: Robe	Australia	-37.155036	139.744495
Dictyota_diemensis	South Australia: Robe	Australia	-37.155036	139.744495
Dictyota_diemensis	South Australia: Robe	Australia	-37.155036	139.744495
Dictyota_diemensis	South Australia: Robe	Australia	-37.155036	139.744495
Dictyota_cyanoloma	South Australia: Port Noarlunga	Australia	-35.148635	138.46417
Dictyota_diemensis	South Australia: Port Noarlunga	Australia	-35.148635	138.46417
Rugulopteryx_marginatus	South Australia: Port Noarlunga	Australia	-35.148635	138.46417
Padina_psbA.sp1	South Australia: Port Noarlunga	Australia	-35.148635	138.46417
Dictyota_polyclada1	South Australia: Cape Jaffa	Australia	-36.940865	139.687423
Dictyota_diemensis	South Australia: Elliston	Australia	-33.652123	134.880312
Dictyota_paniculata	South Australia: Elliston	Australia	-33.653306	134.87902
Dictyota_paniculata	South Australia: Elliston	Australia	-33.653306	134.87902
Dictyota_acutiloba2	South Australia: Ceduna: Thevenard peninsula	Australia	-32.150546	133.653916
Dictyota_acutiloba2	South Australia: Ceduna	Australia	-32.126484	133.670267
Dictyota_polyclada2	South Australia: Ceduna	Australia	-32.126484	133.670267
Dictyota_acutiloba2	South Australia: Fowlers Bay	Australia	-32.0134	132.46153
Padina_psbA.sp1	Western Australia: Esperance	Australia	-33.853052	121.904913
Dilophus_fastigiatus	Western Australia: Esperance	Australia	-33.9128	121.87731
Dilophus_fastigiatus	Western Australia: Esperance	Australia	-33.9128	121.87731
Padina_sp1	Western Australia: Esperance	Australia	-33.90933	121.90743
Dictyota_sp25	Western Australia: Esperance	Australia	-33.89759	121.90673
Dictyota_paniculata	Western Australia: Esperance	Australia	-33.84108	121.933
Dictyota_paniculata	Western Australia: Hopetoun: Mary Ann Haven	Australia	-33.95245	120.12533
Dilophus_gunnianus	Western Australia: Hopetoun: Mary Ann Haven	Australia	-33.95245	120.12533
Dictyota_paniculata	Western Australia: Hopetoun: Flathead Point	Australia	-33.95447	120.11687
Canistrocarpus_cervicornis	Western Australia: Hopetoun: Flathead Point	Australia	-33.95447	120.11687

Dilophus_gunnianus	Western Australia: Hopetoun: Flathead Point	Australia	-33.95447	120.11687
Dilophus_gunnianus	Western Australia: Hopetoun: Flathead Point	Australia	-33.95447	120.11687
Dictyota_acutiloba1	Western Australia: Albany: Vancouver Peninsula: Whaling Cove	Australia	-35.055185	117.931432
Rugulopteryx_radicans	Western Australia: Albany: Vancouver Peninsula: Whaling Cove	Australia	-35.055185	117.931432
Rugulopteryx_radicans	Western Australia: Albany: Vancouver Peninsula: Whaling Cove	Australia	-35.055185	117.931432
Rugulopteryx_radicans	Western Australia: Albany: Vancouver Peninsula: Whaling Cove	Australia	-35.055185	117.931432
Rugulopteryx_radicans	Western Australia: Albany: Vancouver Peninsula: Whaling Cove	Australia	-35.055185	117.931432
Dictyota_cyanoloma	Western Australia: Albany: Vancouver Peninsula: Whaling Cove	Australia	-35.055185	117.931432
Dictyota_nigricans	Western Australia: Albany: Vancouver Peninsula: Whaling Cove	Australia	-35.055185	117.931432
Dictyota_polyclada3	Western Australia: Yallingup: Canal Rocks	Australia	-33.669519	114.994471
Dictyota_sp25	Western Australia: Yallingup: Canal Rocks	Australia	-33.669519	114.994471
Dilophus_robustus2	Western Australia: Yallingup: Canal Rocks	Australia	-33.669519	114.994471
Dictyota_sp25	Western Australia: Yallingup: Canal Rocks	Australia	-33.669519	114.994471
Dictyota_sp25	Western Australia: Yallingup: Canal Rocks	Australia	-33.669519	114.994471
Padina_gymnospora.b	Western Australia: Yallingup: Canal Rocks	Australia	-33.669519	114.994471
Distromium_flabellatum	Western Australia: Yallingup: Canal Rocks	Australia	-33.669519	114.994471
Dictyota_ciliolata	Western Australia: Cottesloe	Australia	-32.00687	115.7512
Dictyota_ciliolata	Western Australia: Cottesloe	Australia	-32.00687	115.7512
Dictyota_ciliolata	Western Australia: Cottesloe	Australia	-32.00687	115.7512
Dictyota_acutiloba1	Western Australia: Cottesloe	Australia	-32.00687	115.7512
Dictyota_sp23	Western Australia: Rottnest Island: Roe Reef	Australia	-31.97419	115.53678
Canistrocarpus_cervicornis	Western Australia: Rottnest Island: Groper Canyon	Australia	-31.98157	115.52211
Dilophus_fastigiatus	Western Australia: Port Denison: Leander Reef	Australia	-29.277648	114.912326
Dilophus_fastigiatus	Western Australia: Port Denison: Leander Reef	Australia	-29.277648	114.912326
Padina_sp1	Western Australia: Port Denison: Leander Reef	Australia	-29.277648	114.912326
Padina_melemele.f	Western Australia: Port Denison: Leander Reef	Australia	-29.277648	114.912326
Padina_melemele.f	Western Australia: Port Denison: Leander Reef	Australia	-29.277648	114.912326
Canistrocarpus_cervicornis	Western Australia: Port Denison: Leander Reef	Australia	-29.277648	114.912326
Canistrocarpus_cervicornis	Western Australia: Port Denison: Leander Reef	Australia	-29.277648	114.912326
Dictyota_nigricans	Western Australia: Port Denison: Leander Reef	Australia	-29.277648	114.912326
Dilophus_fastigiatus	Western Australia: Port Denison: Leander Reef	Australia	-29.277648	114.912326

Canistrocarpus_cervicornis	Western Australia: Port Denison: Leander Reef	Australia	-29.277648	114.912326
Dictyota_ciliolata	Western Australia: Port Denison: Leander Reef	Australia	-29.277648	114.912326
Styopodium_multipartitum2	Tuléar: Cap Sainte Marie	Madagascar	-25.59	45.13
Dictyopteris_madagascar	Tuléar: Cap Sainte Marie	Madagascar	-25.565	45.115
Styopodium_multipartitum2	Tuléar: Cap Sainte Marie	Madagascar	-25.55333333	45.11
Dictyopteris_madagascar	Beloha: Rocher de l'Albatros	Madagascar	-25.47833333	44.94666667
Dictyopteris_madagascar	Tuléar: Lavanono: Au large de Lavanono	Madagascar	-25.47166667	44.92666667
Padina_sp7	Tuléar: Lavanono: Au large de Lavanono	Madagascar	-25.47166667	44.92666667
Canistrocarpus_cervicornis	Tuléar: Nosy Manitsa	Madagascar	-25.21833333	44.23333333
Padina_boergesenii.c	Tuléar: Nosy Manitsa	Madagascar	-25.21833333	44.23333333
Dictyota_ceylanica5	Anosy: Andavaka	Madagascar	-25.2	46.63333333
Stoechospermum_polypodioides	Anosy: Baie des Gallions	Madagascar	-25.14833333	46.75666667
Stoechospermum_polypodioides	Anosy: Baie des Gallions	Madagascar	-25.14666667	46.75
Canistrocarpus_cervicornis	Anosy: Baie des Gallions	Madagascar	-25.14666667	46.75
Canistrocarpus_crispatus	Anosy: Baie des Gallions	Madagascar	-25.14666667	46.75
Padina_boergesenii.c	Anosy: Cap Ranavalona: pointe Ehoala: Plage Bevava	Madagascar	-25.075	46.96166667
Canistrocarpus_cervicornis	Anosy: Libanona: Cap d'Antsirabe	Madagascar	-25.04333333	46.99666667
Padina_boergesenii.c	Anosy: Fort Dauphin: plage monseigneur	Madagascar	-25.03583333	46.99833333
Canistrocarpus_cervicornis	Anosy: Fort Dauphin: plage monseigneur	Madagascar	-25.03583333	46.99833333
Stoechospermum_polypodioides	Anosy: Fort Dauphin: plage monseigneur	Madagascar	-25.03583333	46.99833333
Canistrocarpus_cervicornis	Anosy: Fort Dauphin: plage monseigneur	Madagascar	-25.03583333	46.99833333
Canistrocarpus_crispatus	Anosy	Madagascar	-25.035	47.00166667
Padina_boergesenii.c	Anosy: Flacourt	Madagascar	-25.02833333	47.00166667
Dictyopteris_madagascar	Anosy: Phare Flacourt: En face du phare	Madagascar	-25.02166667	47.00833333
Dictyopteris_madagascar	Anosy: Baie de Fort-Dauphin	Madagascar	-25.00333333	47.025
Dictyopteris_madagascar	Anosy: Baie de Fort-Dauphin	Madagascar	-25.00333333	47.025
Dictyopteris_madagascar	Anosy: Baie de Fort-Dauphin	Madagascar	-25.00333333	47.025
Dictyopteris_madagascar	Anosy: Baie de Fort-Dauphin	Madagascar	-25.00333333	47.025
Canistrocarpus_cervicornis	Anosy: Evatra	Madagascar	-24.99833333	47.1
Stoechospermum_polypodioides	Anosy: Nord-Est du phare d'Evatra	Madagascar	-24.97833333	47.09833333
Canistrocarpus_cervicornis	Anosy: Mahanoro: Chez Patrick	Madagascar	-24.96833333	47.10166667

<i>Canistrocarpus_cervicornis</i>	Anosy: Mahanoro: Chez Patrick	Madagascar	-24.96833333	47.10166667
<i>Rugulopteryx_suhrii</i>	Anosy: Mahanoro: Chez Patrick	Madagascar	-24.96833333	47.10166667
<i>Stoechospermum_polypodoides</i>	Anosy: Lokaro: Sud de la baie	Madagascar	-24.95	47.10833333
<i>Dictyota_ceylanica5</i>	Rempi Area	Papua New Guinea	-5.017833	145.800171
<i>Dictyota_ceylanica5</i>	Rempi Area	Papua New Guinea	-5.022333	145.799164
<i>Dictyota_ceylanica1</i>	Rempi Area	Papua New Guinea	-5.022333	145.799164
<i>Dictyota_ceylanica6</i>	Rempi Area	Papua New Guinea	-5.026834	145.799164
<i>Padina_sp8</i>	S Rempi area	Papua New Guinea	-5.049467	145.809769
<i>Dictyota_sp31</i>	S Rempi area	Papua New Guinea	-5.049467	145.809769
<i>Padina_okinawaensis.c</i>	between Alexishafen and Sek Island	Papua New Guinea	-5.087723	145.812101
<i>Canistrocarpus_cervicornis</i>	between Alexishafen and Sek Island	Papua New Guinea	-5.087723	145.812101
<i>Dictyota_sp31</i>	Alexishafen	Papua New Guinea	-5.090627	145.807142
<i>Dictyota_canaliculata2.c</i>	Madang	Papua New Guinea	-5.090627	145.807142
<i>Padina_sp2</i>	Madang	Papua New Guinea	-5.090627	145.807142
<i>Canistrocarpus_cervicornis</i>	N Malamal Passage	Papua New Guinea	-5.116667	145.823334
<i>Dictyota_ceylanica6</i>	N Malamal Passage	Papua New Guinea	-5.116667	145.823334
<i>Dictyota_ceylanica6</i>	S Sek Island	Papua New Guinea	-5.119833	145.823166
<i>Canistrocarpus_cervicornis</i>	W Wongat Island	Papua New Guinea	-5.134567	145.824783
<i>Canistrocarpus_cervicornis</i>	W Wongat Island	Papua New Guinea	-5.134567	145.824783
<i>Padina_okinawaensis.c</i>	Riwo waters	Papua New Guinea	-5.150046	145.805356
<i>Dictyota_grossedentata2</i>	Riwo waters	Papua New Guinea	-5.150046	145.805356
<i>Padina_okinawaensis.c</i>	Riwo	Papua New Guinea	-5.150046	145.805356
<i>Dictyota_sp17</i>	Riwo	Papua New Guinea	-5.150046	145.805356
<i>Canistrocarpus_crispatus</i>	Riwo	Papua New Guinea	-5.150046	145.805356
<i>Dictyota_sp17</i>	Riwo	Papua New Guinea	-5.150046	145.805356
<i>Padina_antillarum.c</i>	Riwo	Papua New Guinea	-5.150046	145.805356
<i>Dictyota_stolonifera</i>	Rasch Passage	Papua New Guinea	-5.151	145.818665
<i>Padina_okinawaensis.c</i>	Rasch Passage	Papua New Guinea	-5.151	145.818665
<i>Dictyota_ceylanica5</i>	Rasch Passage	Papua New Guinea	-5.151	145.818665
<i>Dictyota_ceylanica6</i>	N Tab Island	Papua New Guinea	-5.151166	145.833496
<i>Padina_sp8</i>	E Rasch Passage	Papua New Guinea	-5.152	145.818832

Dictyota_ceylanica6	N Tab Island	Papua New Guinea	-5.1525	145.835831
Dictyota_sp15	N Tab Island	Papua New Guinea	-5.1525	145.835831
Padina_sp8	Padoz reef	Papua New Guinea	-5.159667	145.812836
Padina_okinawaensis.c	Padoz reef	Papua New Guinea	-5.159667	145.812836
Padina_sp8	N Tab Island	Papua New Guinea	-5.159833	145.835831
Padina_australis	Johor	Malaysia		
Padina_tetrastromatica	Johor: Desaru	Malaysia	1.570941	104.261434
Padina_sulcata	Pulau Labuan: Pulau Rusukan Kecil	Malaysia	5.246775	115.221655
Padina_sulcata	Sabah: Kota Kinabalu: Pulau Sapangar	Malaysia	6.068201	116.068627
Dictyota_bartayresiana	Oman: Masirah Island	Oman	20.33666	58.449497
Canistrocarpus_cervicornis	Oman: Masirah Island	Oman	20.33666	58.449497
Dictyota_dhofarensis	Masirah Island	Oman	20.1759	58.66511
Dictyota_friabilis1	Musandam: Khasab	Oman	26.1442	56.1852
Canistrocarpus_cervicornis	Capital Area: Bandar Khayran	Oman	23.520041	58.748617
Dictyota_friabilis1	Capital Area: Qantab	Oman	23.56501	58.629506
Dictyota_sp20	Oaxaca: Mazunte: Mazunte Beach	Mexico	15.66045	-96.55525
Dictyota_ceylanica5	Oaxaca: Mazunte: Mazunte Beach	Mexico	15.66045	-96.55525
Dictyota_crenulata	Oaxaca: Mazunte: Mazunte Beach	Mexico	15.66045	-96.55525
Dictyota_sp20	Oaxaca: Mazunte: Mazunte Beach	Mexico	15.66045	-96.55525
Dictyota_ceylanica5	Oaxaca: Puerto Escondido: Bahia Puerto Angelito	Mexico	15.8572	-97.0744
Dictyota_humifusa	Oaxaca: Puerto Escondido	Mexico	15.85755	-97.065667
Dictyota_ceylanica5	Oaxaca: Puerto Escondido	Mexico	15.85755	-97.065667
Dictyota_ceylanica5	Guerrero: Acapulco: Canal de Boca Chica: peninsula	Mexico	16.827167	-99.911917
Dictyopteris_sp13	Guerrero: Acapulco: Canal de Boca Chica: peninsula	Mexico	16.82716667	-99.9119167
Dictyota_humifusa	Guerrero: Acapulco: Isla Virgen	Mexico	16.824554	-99.90088
Dictyota_crenulata	Guerrero: Ixtapa: Playa del Palmar	Mexico	17.651117	-101.601167
Dictyota_ceylanica5	Guerrero: Zihuatanejo: Manzanillo	Mexico	17.621	-101.521667
Dictyota_crenulata	Colima: Manzanillo: Playa la Audiencia	Mexico	19.105	-104.352033
Dictyota_crenulata	Colima: Manzanillo: Playa la Audiencia	Mexico	19.105	-104.352033
Dictyota_crenulata	Colima: Manzanillo: Juluapan	Mexico	19.09855	-104.39025
Dictyota_sp20	Jalisco: Puerto Vallarta: Playa Mismaloya	Mexico	20.532117	-105.2933

Dictyota_sp19	Jalisco: Puerto Vallarta: Playa Mismaloya	Mexico	20.532117	-105.2933
Dictyota_ceylanica5	Nayarit: Punta de Mita: Playa Careyero	Mexico	20.784317	-105.511833
Dictyota_sp20	Jalisco: Puerto Vallarta: Majahuitas	Mexico	20.506833	-105.39285
Dictyopteris_sp2	Jalisco: Puerto Vallarta: Majahuitas	Mexico	20.506833	-105.39285
Dictyota_sp21	Jalisco: Puerto Vallarta: Caletas	Mexico	20.504983	-105.374667
Padina_australis	Thandwe: Ngapali Beach	Myanmar	18.443188	94.308187
Padina_tetrastromatica	Nakhon Si Thammarat Province: Huasai	Thailand	8.688858	100.000299
Padina_macrophylla	Tenia	New Caledonia	-22.007923	165.938573
Padina_sanctaecrucis.2	Nouvelle	New Caledonia	-22.261783	166.406101
Zonaria_diesingiana	Nagasaki: Nomozaiki	Japan	32.610089	129.779757
Spatoglossum_pacificum	Niigata: Kashiwazaki	Japan	37.379368	138.555293
Padina_18S.arborescens				
Canistrocarpus_cervicornis	Northern Reef	Palau	7.98545	134.5727
Dictyota_sp11	Northern Reef	Palau	7.98545	134.5727
Dictyota_sp16	Northern Reef	Palau	7.717033	134.56635
Canistrocarpus_cervicornis	Northern Reef	Palau	7.715333	134.580433
Canistrocarpus_cervicornis	Northern Reef	Palau	7.715333	134.580433
Dictyota_canaliculata2.b	Northern Reef	Palau	7.715333	134.580433
Dictyota_grossedentata	Northern Reef	Palau	7.715333333	134.5804333
Dictyota_canaliculata2	Northern Reef	Palau	7.721483	134.63975
Canistrocarpus_crispatus	Northern Reef	Palau	7.7505	134.621
Dictyota_ceylanica1	Northern Reef	Palau	7.954467	134.514783
Dictyota_canaliculata2.b	Northern Reef	Palau	7.951117	134.544583
Dictyota_canaliculata2.b	Northern Reef	Palau	7.954517	134.627683
Canistrocarpus_cervicornis	Northern Reef	Palau	7.865817	134.531233
Canistrocarpus_cervicornis	Northern Reef	Palau	7.87015	134.549117
Dictyota_grossedentata	Northern Reef	Palau	7.87015	134.5491167
Dictyota_alternifida	New South Wales: Manly	Australia	-33.79936	151.301088
Dictyota_bartayresiana2	Phu Quoc: Han Toi	Vietnam	9.914379	103.996807
Dictyota_bartayresiana2	Phu Quoc: Han Toi	Vietnam	9.914379	103.996807
Dictyota_bartayresiana2	Phu Quoc: Han Toi	Vietnam	9.914379	103.996807

Dictyota_friabilis	Sinai: Gulf of Aqaba: Ras Um Sid	Egypt	27.846778	34.314961
Dictyota_friabilis	Sinai: Gulf of Aqaba: Dahab	Egypt	28.433959	34.456483
Dictyota_dichotoma1	Nord-Pas-de-Calais: Audreselles: Pointe du Nid de Corbet	France	50.8289	1.58965
Dictyota_spiralis1	Provence-Alpes-Côte d'Azur: Île de Frioul	France	5.302656	5.302656
Padina_pavonica.1a	Provence-Alpes-Côte d'Azur: Île de Frioul	France	43.275815	5.301837
Dictyopteris_polypodioides	Provence-Alpes-Côte d'Azur: Île de Frioul	France	5.302656	5.302656
Dictyota_dichotoma1	Languedoc-Roussillon: Port Vendres: Les Paulilles	France	42.5221	3.11405
Dictyota_spiralis1	Languedoc-Roussillon: Port Vendres: Les Paulilles	France	42.5221	3.11405
Dictyota_fasciola	Languedoc-Roussillon: Port Vendres: Les Paulilles	France	42.5221	3.11405
Dictyota_spiralis1	Languedoc-Roussillon: Port Vendres: Les Paulilles	France	42.5221	3.11405
Dictyota_fasciola	Languedoc-Roussillon: Banyuls: Cap du Troc	France	42.4805	3.14295
Dictyota_fasciola	Languedoc-Roussillon: Banyuls: Cap du Troc	France	42.4805	3.14295
Dictyota_fasciola	Languedoc-Roussillon: Banyuls: Cap du Troc	France	42.4805	3.14295
Dictyota_dichotoma1	Languedoc-Roussillon: Banyuls: Cap du Troc	France	42.4805	3.14295
Dictyota_spiralis	Languedoc-Roussillon: Banyuls: Cap du Troc	France	42.4805	3.14295
Dictyota_fasciola	Languedoc-Roussillon: Banyuls: Cap du Troc	France	42.4805	3.14295
Dictyota_fasciola	Languedoc-Roussillon: Côte Vermeille: Cerbère: Cap Peyferite	France	42.454099	3.166069
Dictyota_fasciola	Languedoc-Roussillon: Côte Vermeille: Cerbère: Cap Peyferite	France	42.454099	3.166069
Dictyota_fasciola	Languedoc-Roussillon: Côte Vermeille: Cerbère: Cap Peyferite	France	42.454099	3.166069
Dictyota_fasciola	Languedoc-Roussillon: Côte Vermeille: Cerbère: Cap Peyferite	France	42.454099	3.166069
Dictyota_spiralis1	Languedoc-Roussillon: Côte Vermeille: Cerbère: Cap Peyferite	France	42.454099	3.166069
Dictyota_implexa	Languedoc-Roussillon: Côte Vermeille: Cerbère: Cap Peyferite	France	42.454099	3.166069
Zonaria_subarticulata	Eastern Cape Province: Mzamba	South Africa	-31.095154	30.185734
Rugulopteryx_suhrii	Eastern Cape Province: Mzamba	South Africa	-31.095154	30.185734
Dilophus_robustus3	Kwazulu-Natal: Protea Banks: Southern Pinnacle	South Africa	-30.826933	30.4903
Distromium_skottsbergii	Kwazulu-Natal: Protea Banks: Southern Pinnacle	South Africa	-30.826933	30.4903
Dilophus_robustus3	Kwazulu-Natal: Protea Banks: Southern Pinnacle	South Africa	-30.826933	30.4903
Zonaria_subarticulata	Kwazulu-Natal: Protea Banks: Southern Pinnacle	South Africa	-30.826933	30.4903
Dilophus_robustus3	Kwazulu-Natal: Protea Banks: Southern Pinnacle	South Africa	-30.826933	30.4903
Dilophus_robustus3	Kwazulu-Natal: Protea Banks: Southern Pinnacle	South Africa	-30.826933	30.4903
Dilophus_robustus3	Kwazulu-Natal: Protea Banks: Southern Pinnacle	South Africa	-30.826933	30.4903

Dictyota_acutiloba1	Jubail: Abu Ali	Saudi Arabia	27.3545	49.524
Rugulopteryx_suhrii	Kwazulu-Natal: Palm Beach	South Africa	-31.003067	30.269673
Spatoglossum_solierii	Catalu±a: Gerona: Palam±s: Cala Corbs	Spain	41.858015	3.146746
Dictyota_spiralis1	Catalu±a: Gerona: Palam±s: Cala Corbs	Spain	41.858015	3.146746
Dictyota_implexa	Catalu±a: Gerona: Palam±s: Cala Corbs	Spain	41.858015	3.146746
Dictyota_implexa	Catalu±a: Gerona: Palam±s	Spain	41.858015	3.146746
Dictyota_implexa	Catalu±a: Gerona: Palam±s	Spain	41.858015	3.146746
Dictyota_linearis	Catalu±a: Gerona: Palam±s	Spain	41.858015	3.146746
Dictyota_dichotoma1	Galicia: A Coru±a: Isla de San Pedro	Spain	43.37838	-8.44763
Dictyota_dichotoma1	Bretagne: Roscoff: Ile de Batz	France	48.7458	-4.0105
Dictyota_dichotoma1	Bretagne: Roscoff: Perharidy	France	48.718999	-4.018936
Dictyota_dichotoma1	Bretagne: Roscoff: Perharidy	France	48.718999	-4.018936
Dictyota_acutiloba1	Jubail: Abu Ali	Saudi Arabia	27.3531	49.5362
Padina_australis	Negros Oriental: San Jos	Philippines	9.412	123.238
Dictyota_ciliolata	Negros Oriental: Dumaguete	Philippines	9.330833	123.309417
Dictyota_ceylanica1	Negros Oriental: Dumaguete	Philippines	9.330833	123.309417
Canistrocarpus_cervicornis	Negros Oriental: Dumaguete	Philippines	9.330833	123.309417
Canistrocarpus_crispatus	Negros Oriental: Dumaguete	Philippines	9.330833	123.309417
Canistrocarpus_crispatus	Negros Oriental: Dumaguete	Philippines	9.330833	123.309417
Dictyota_ciliolata	Siquijor: Sawang	Philippines	9.196861	123.4473
Canistrocarpus_cervicornis	Siquijor: Sawang	Philippines	9.196861	123.4473
Padina_australis	Siquijor: Sawang	Philippines	9.196861	123.4473
Dictyota_ceylanica5	Siquijor: Dapdap	Philippines	9.224033	123.5163
Dictyota_canaliculata1	Siquijor: Dapdap	Philippines	9.224033	123.5163
Dictyota_adnata	Negros Oriental: Bais	Philippines	9.576556	123.158722
Dictyota_mangrovestolon	Negros Oriental: Bais	Philippines	9.576556	123.158722
Dictyota_friabilis1.b	Negros Oriental: Apo Island	Philippines	9.083333	123.25
Padina_antillarum.d	Diani Beach	Kenya	-4.299722	39.598611
Padina_antillarum.a	Diani Beach	Kenya	-4.299722	39.598611
Dictyota_bartayresiana	Diani Beach	Kenya	-4.299722	39.598611
Dictyota_bartayresiana	Diani Beach	Kenya	-4.299722	39.598611

Dictyota_dichotoma1	Isla de Arousa	Spain	42.568538	-8.890269
Dictyota_dichotoma1	Isla de Arousa	Spain	42.568538	-8.890269
Dictyota_dichotoma1	Isla de Arousa	Spain	42.568538	-8.890269
Dictyota_dichotoma1	Isla de Arousa	Spain	42.568538	-8.890269
Dictyota_dichotoma1	Isla de Arousa	Spain	42.568538	-8.890269
Dictyota_dichotoma1	Isla de Arousa	Spain	42.568538	-8.890269
Dictyota_dichotoma1	Isla de Arousa	Spain	42.568538	-8.890269
Dictyota_dichotoma1	Isla de Arousa	Spain	42.568538	-8.890269
Dictyota_dichotoma1	Isla de Arousa	Spain	42.568538	-8.890269
Dictyota_dichotoma1	Isla de Arousa	Spain	42.568538	-8.890269
Dictyota_spiralis	Isla de Arousa	Spain	42.568538	-8.890269
Dictyota_spiralis	Isla de Arousa	Spain	42.568538	-8.890269
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Cabo Home	Spain	42.25088	-8.87037
Dictyota_dichotoma1	Nord-Pas-de-Calais: Wimereux: Ancien Fort de Croi	France	50.7645	1.6042

Dictyota_dichotoma2	Muroran	Japan	42.336415	140.994378
Dictyota_dichotoma2	Muroran	Japan	42.336415	140.994378
Dictyota_dichotoma2	Muroran	Japan	42.336415	140.994378
Dictyota_dichotoma1	Gradelle	Corsica	42.302318	8.646948
Dictyota_dichotoma1	Gradelle	Corsica	42.302318	8.646948
Dictyota_dichotoma1	Gradelle	Corsica	42.302318	8.646948
Dictyota_dichotoma1	Gradelle	Corsica	42.302318	8.646948
Dictyota_dichotoma1	Gradelle	Corsica	42.302318	8.646948
Dictyota_dichotoma1	Gradelle	Corsica	42.302318	8.646948
Dictyota_dichotoma1	Gradelle	Corsica	42.302318	8.646948
Dictyota_dichotoma1	Gradelle	Corsica	42.302318	8.646948
Dictyota_dichotoma1	Gradelle	Corsica	42.302318	8.646948
Dictyota_implexa	Gradelle	Corsica	42.302318	8.646948
Dictyota_implexa	Gradelle	Corsica	42.302318	8.646948
Dictyota_implexa	Gradelle	Corsica	42.302318	8.646948
Dictyota_linearis	Gradelle	Corsica	42.302318	8.646948
Dictyota_linearis	Gradelle	Corsica	42.302318	8.646948
Dictyota_fasciola	Gradelle	Corsica	42.302318	8.646948
Dictyota_fasciola	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_spiralis3	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_mediterranea	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_dichotoma1	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_implexa	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_mediterranea	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_mediterranea	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_dichotoma1	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_mediterranea	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_mediterranea	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_ciliolata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_mediterranea	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_implexa	Rhodes: Ladiko Bay	Greece	36.32049	28.20534

Dictyota_implexa	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_mediterranea	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_dichotoma1	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_spiralis3	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_spiralis3	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_spiralis2	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_dichotoma1	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_implexa	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_bartayresiana	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_mediterranea	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_fasciola	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_dichotoma1	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_spiralis3	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_implexa	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Styopodium_schimperii	Rhodes: Ladiko Bay	Greece	36.32049	28.20534
Dictyota_mediterranea	Rhodes: Agios Thomas	Greece	36.07483	28.04838
Dictyota_mediterranea	Rhodes: Agios Thomas	Greece	36.07483	28.04838
Dictyota_mediterranea	Rhodes: Agios Thomas	Greece	36.07483	28.04838
Dictyota_linearis	Rhodes: Agios Thomas	Greece	36.07483	28.04838
Dictyota_linearis	Rhodes: Agios Thomas	Greece	36.07483	28.04838
Dictyota_linearis	Rhodes: Agios Thomas	Greece	36.07483	28.04838
Dictyota_implexa	Rhodes: Agios Thomas	Greece	36.07483	28.04838
Dictyota_mediterranea	Rhodes: Agios Thomas	Greece	36.07483	28.04838
Dictyota_dichotoma1	Rhodes: Agios Thomas	Greece	36.07483	28.04838
Dictyota_dichotoma1	Rhodes: Agios Thomas	Greece	36.07483	28.04838
Dictyota_spiralis3	Rhodes: Agios Thomas	Greece	36.07483	28.04838
Dictyota_spiralis3	Rhodes: Agios Thomas	Greece	36.07483	28.04838
Dictyota_spiralis2	Rhodes: Agios Thomas	Greece	36.07483	28.04838
Dictyota_mediterranea	Rhodes: Fourni	Greece	36.10648	27.73702
Dictyota_fasciola	Rhodes: Fourni	Greece	36.10648	27.73702
Dictyota_mediterranea	Rhodes: Fourni	Greece	36.10648	27.73702

Dictyota_linearis	Rhodes : Rhodes city	Greece	36.45329	28.21661
Dictyota_implexa	Rhodes : Rhodes city	Greece	36.45329	28.21661
Dictyopteris_polypodioides	Rhodes : Rhodes city	Greece	36.45329	28.21661
Dictyota_implexa	Rhodes : Rhodes city	Greece	36.45329	28.21661
Dictyota_implexa	Rhodes : Rhodes city	Greece	36.45329	28.21661
Dictyota_linearis	Rhodes : Rhodes city	Greece	36.45329	28.21661
Dictyota_linearis	Rhodes : Rhodes city	Greece	36.45329	28.21661
Dictyota_friabilis1	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_implexa	Karpathos: Kastellia Bay	Greece	35.46988	27.19349
Dictyota_mediterranea	Karpathos: Kastellia Bay	Greece	35.46988	27.19349
Dictyota_mediterranea	Karpathos: Kastellia Bay	Greece	35.46988	27.19349
Dictyota_spiralis2	Karpathos: Kastellia Bay	Greece	35.46988	27.19349
Dictyota_spiralis2	Karpathos: Kastellia Bay	Greece	35.46988	27.19349
Taonia_atomaria1	Karpathos: Kastellia Bay	Greece	35.46988	27.19349
Taonia_atomaria1	Karpathos: Kastellia Bay	Greece	35.46988	27.19349
Dictyota_grossedentata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_implexa	Karpathos: Kastellia Bay	Greece	35.46988	27.19349
Dictyota_implexa	Karpathos: Achata Beach	Greece	35.55795	27.20403
Dictyota_friabilis1	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_fasciola	Karpathos: Agios Nikolaos	Greece	35.62879	27.15722
Dictyota_mediterranea	Karpathos: Agios Nikolaos	Greece	35.62879	27.15722
Dictyota_fasciola	Karpathos: Agios Nikolaos	Greece	35.62879	27.15722
Dictyota_mediterranea	Karpathos: Christou Pigadi	Greece	35.44908	27.16159
Dictyota_mediterranea	Karpathos: Christou Pigadi	Greece	35.44908	27.16159
Dictyota_mediterranea	Karpathos: Christou Pigadi	Greece	35.44908	27.16159
Dictyota_mediterranea	Karpathos: Christou Pigadi	Greece	35.44908	27.16159
Dictyota_implexa	Karpathos: Christou Pigadi	Greece	35.44908	27.16159
Canistrocarpus_crispatus	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Zonaria_tournefortii	Azores: Flores: Fajã Pedro Vieira	Portugal	39.499753	-31.174278
Zonaria_tournefortii	Azores: Flores: Fajã Pedro Vieira	Portugal	39.499753	-31.174278
Dictyota_sp1	Azores: Flores: Fajã Pedro Vieira	Portugal	39.499753	-31.174278

Dictyota_implexa	Azores: Flores: Fajã Pedro Vieira	Portugal	39.499753	-31.174278
Dictyota_sp1	Azores: Flores: Fajã Pedro Vieira	Portugal	39.499753	-31.174278
Dictyota_ciliolata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_dichotoma1	Azores: Flores: Fajã Pedro Vieira	Portugal	39.499753	-31.174278
Dictyota_dichotoma1	Azores: Flores: Fajã Pedro Vieira	Portugal	39.499753	-31.174278
Padina_cox1.sp4	Flores: Faja Piedro Vieira	Azores	39.500215	-31.170985
Dictyota_sp1	Azores: Flores: Fajã Pedro Vieira	Portugal	39.499753	-31.174278
Dictyota_friabilis1	Port Moresby: Lion Island	Papua New Guinea	-9.53791	147.278
Padina_cox1.sp4	Flores: Santa Cruz	Azores	39.450282	-31.125672
Dictyota_dichotoma1	Azores: Flores: Santa Cruz	Portugal	39.450859	-31.125988
Taonia_atomaria	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Canistrocarpus_cervicornis	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_spiralis3	Provence: Port-Cros	France	43.007939	6.378368
Dictyota_friabilis1	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_cymatophila	Madeira: Funchal: Cais de Carvito	Portugal	32.636088	-16.935376
Dictyota_pfaffii	Madeira: Funchal: Cais de Carvito	Portugal	32.636088	-16.935376
Dictyota_dichotoma1	Madeira: Reis Magos	Portugal	32.641521	-16.829643
Dictyota_stolonifera	Motupore Island: barrier reef	Papua New Guinea	-9.53015	147.283
Dictyota_liturata	Madeira: Reis Magos	Portugal	32.641521	-16.829643
Dictyota_cymatophila	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_pfaffii	Madeira: Reis Magos	Portugal	32.641521	-16.829643
Dictyota_pfaffii	Madeira: Reis Magos	Portugal	32.641521	-16.829643
Dictyota_stolonifera	Motupore Island: barrier reef	Papua New Guinea	-9.53015	147.283
Dictyota_liturata	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_sp3	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_dichotoma1	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_implexa	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_cymatophila	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_pleiacantha1	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_dichotoma1	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_dichotoma1	Madeira: Porto Moniz	Portugal	32.868931	-17.171794

Dictyota_implexa	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_implexa	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_cymatophila	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_dichotoma1	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_dichotoma1	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_dichotoma1	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_sp3	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_dichotoma1	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_stolonifera	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_cymatophila	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_implexa	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_implexa	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_implexa	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_pleiacantha1	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_implexa	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_dichotoma1	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_pleiacantha1	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_dichotoma1	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_dichotoma1	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Dictyota_cymatophila	Madeira: Porto Moniz	Portugal	32.868931	-17.171794
Canistrocarpus_crispatus	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Canistrocarpus_crispatus	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_ciliolata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_ciliolata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_ciliolata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Canistrocarpus_crispatus	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_fasciola	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483
Dictyopteris_polypodioides	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483
Dictyota_pfaffii	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483
Dictyota_cyanoloma	Canary Islands: Tenerife: Garachico: harbour	Spain	28.372817	-16.754404
Dictyota_pleiacantha1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251

Dictyota_cymatophila	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_cymatophila	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_grossedentata	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_dichotoma1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_sp1	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_stolonifera	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_cymatophila	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_pleiacantha1	Canary Islands: Tenerife: El Médano	Spain	28.04356	-16.535958
Dictyota_spiralis1	Canary Islands: Tenerife: El Médano	Spain	28.04356	-16.535958
Dictyota_friabilis1	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_dichotoma1	Canary Islands: Tenerife: El Médano	Spain	28.04356	-16.535958
Dictyota_stolonifera	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_stolonifera	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_grossedentata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_stolonifera	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_friabilis1	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_stolonifera	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_grossedentata	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_stolonifera	Port Moresby: Horse Shoe Reef	Papua New Guinea	-9.583	147.317
Canistrocarpus_cervicornis	Port Moresby: Horse Shoe Reef	Papua New Guinea	-9.583	147.317
Dictyota_hamifera	Port Moresby: Horse Shoe Reef	Papua New Guinea	-9.583	147.317
Dictyota_stolonifera	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_grossedentata	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Canistrocarpus_crispatus	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_friabilis1	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_bartayresiana	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_bartayresiana	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Canistrocarpus_cervicornis	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_ciliolata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_grossedentata	Port Moresby: Bootless Bay: Osborne Point	Papua New Guinea	-9.520642	147.261827

Dictyota_bartayresiana	Port Moresby: Bootless Bay: Osborne Point	Papua New Guinea	-9.520642	147.261827
Dictyota_friabilis1	Port Moresby: Bootless Bay: Osborne Point	Papua New Guinea	-9.520642	147.261827
Dictyota_adnata	Port Moresby: Motupore Island	Papua New Guinea	-9.52138	147.282
Dictyota_stolonifera	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_grossedentata	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_friabilis1	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_friabilis1	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_ciliolata	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_ciliolata	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_ciliolata	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_bartayresiana	Port Moresby: Loloata Island	Papua New Guinea	-9.54645	147.294
Dictyota_humifusa	Zanzibar: Mbweni cliffs	Tanzania	-6.21049	39.1988
Dictyota_bartayresiana	Zanzibar: Mbweni cliffs	Tanzania	-6.21049	39.1988
Dictyota_humifusa	Zanzibar: Uroa	Tanzania	-6.09558	39.436626
Dictyota_ciliolata	Zanzibar: Uroa	Tanzania	-6.09558	39.436626
Canistrocarpus_crispatus	Zanzibar: Uroa	Tanzania	-6.09558	39.436626
Canistrocarpus_cervicornis	Zanzibar: Uroa	Tanzania	-6.09558	39.436626
Canistrocarpus_cervicornis	Zanzibar: Uroa	Tanzania	-6.09558	39.436626
Canistrocarpus_cervicornis	Zanzibar: Uroa	Tanzania	-6.09558	39.436626
Canistrocarpus_cervicornis	Zanzibar: Uroa	Tanzania	-6.09558	39.436626
Dictyota_ciliolata	Zanzibar: Bawi Island	Tanzania	-6.15862	39.12676
Dictyota_bartayresiana	Zanzibar: Bawi Island	Tanzania	-6.15862	39.12676
Canistrocarpus_cervicornis	Zanzibar: Bawi Island	Tanzania	-6.15862	39.12676
Dictyota_humifusa	Zanzibar: Bawi Island	Tanzania	-6.15862	39.12676
Dictyota_humifusa	Zanzibar: Matemwe	Tanzania	-5.857243	39.359894
Dictyota_ciliolata	Zanzibar: Matemwe	Tanzania	-5.857243	39.359894
Canistrocarpus_cervicornis	Zanzibar: Matemwe	Tanzania	-5.857243	39.359894
Canistrocarpus_cervicornis	Zanzibar: Nungwi	Tanzania	-5.717284	39.301357
Dictyota_ciliolata	Zanzibar: Nungwi	Tanzania	-5.717284	39.301357
Canistrocarpus_crispatus	Zanzibar: Nungwi	Tanzania	-5.717284	39.301357
Canistrocarpus_crispatus	Zanzibar: Ras Fumba	Tanzania	-6.238189	39.544534

Dictyota_bartayresiana	Zanzibar: Ras Fumba	Tanzania	-6.238189	39.544534
Canistrocarpus_cervicornis	Zanzibar: Ras Fumba	Tanzania	-6.238189	39.544534
Canistrocarpus_cervicornis	Zanzibar: Ras Fumba	Tanzania	-6.238189	39.544534
Dictyota_bartayresiana	Zanzibar: Ras Fumba	Tanzania	-6.238189	39.544534
Dictyota_bartayresiana	Zanzibar: Ras Fumba	Tanzania	-6.238189	39.544534
Dictyota_ciliolata	Zanzibar: Ras Fumba	Tanzania	-6.238189	39.544534
Canistrocarpus_crispatus	Zanzibar: Ras Fumba	Tanzania	-6.238189	39.544534
Canistrocarpus_crispatus	Zanzibar: Ras Fumba	Tanzania	-6.238189	39.544534
Canistrocarpus_cervicornis	Zanzibar: Kizinkazi	Tanzania	-6.451464	39.466663
Dictyota_humifusa	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Dictyota_humifusa	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Dictyota_ciliolata	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Dictyota_rigida1	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Canistrocarpus_cervicornis	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Canistrocarpus_cervicornis	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Dictyota_bartayresiana	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Dictyota_adnata	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Dictyota_adnata	Zanzibar: Mangapwani	Tanzania	-5.991595	39.183901
Canistrocarpus_cervicornis	Zanzibar: Bawi Island	Tanzania	-6.15862	39.12676
Dictyota_friabilis1	Zanzibar: Bawi Island	Tanzania	-6.15862	39.12676
Canistrocarpus_crispatus	Zanzibar: Chumbe Island	Tanzania	-6.279169	39.174844
Dictyota_grossedentata	Zanzibar: Chumbe Island	Tanzania	-6.279169	39.174844
Canistrocarpus_crispatus	Zanzibar: Chumbe Island	Tanzania	-6.279169	39.174844
Canistrocarpus_cervicornis	Zanzibar: Chumbe Island	Tanzania	-6.279169	39.174844
Dictyota_acutiloba1	Jubail: Abu Ali	Saudi Arabia	27.3237	49.4696
Dictyota_humifusa	Zanzibar: Chumbe Island	Tanzania	-6.279169	39.174844
Canistrocarpus_crispatus	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Dictyota_bartayresiana	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Canistrocarpus_cervicornis	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Dictyota_humifusa	Zanzibar: Chwaka	Tanzania	-6.165473	39.450188
Dictyota_bartayresiana	Zanzibar: Nungwi	Tanzania	-5.717284	39.301357

Canistrocarpus_cervicornis	Kunduchi	Tanzania	-6.67938	39.2253
Dictyota_rigida1	Kunduchi	Tanzania	-6.67938	39.2253
Canistrocarpus_crispatus	Kunduchi	Tanzania	-6.67938	39.2253
Dictyota_bartayresiana	Kunduchi	Tanzania	-6.67938	39.2253
Dictyota_ciliolata	Kunduchi	Tanzania	-6.67938	39.2253
Canistrocarpus_crispatus	Kunduchi	Tanzania	-6.67938	39.2253
Dictyota_bartayresiana	Kunduchi	Tanzania	-6.67938	39.2253
Canistrocarpus_cervicornis	Kunduchi	Tanzania	-6.67938	39.2253
Dictyota_friabilis1	Kunduchi	Tanzania	-6.67938	39.2253
Dictyota_ciliolata	Mafia: Chole Bay	Tanzania	-7.927303	39.755176
Canistrocarpus_cervicornis	Mafia: Chole Bay	Tanzania	-7.927303	39.755176
Canistrocarpus_crispatus	Mafia: Chole Bay	Tanzania	-7.927303	39.755176
Dictyota_bartayresiana	Mafia: Chole Bay	Tanzania	-7.927303	39.755176
Dictyota_humifusa	Mafia: Chole Bay: Kinasi	Tanzania	-7.979188	39.746459
Dictyota_friabilis1	Mafia: Chole Bay: Kinasi	Tanzania	-7.979188	39.746459
Canistrocarpus_crispatus	Mafia: Chole Bay: Kinasi	Tanzania	-7.979188	39.746459
Dictyota_friabilis1	Mafia: Chole Bay: Juani Island	Tanzania	-7.984793	39.789209
Canistrocarpus_crispatus	Mafia: Chole Bay	Tanzania	-7.927303	39.755176
Dictyota_humifusa	Mafia: Chole Bay	Tanzania	-7.927303	39.755176
Canistrocarpus_cervicornis	Mafia: Chole Bay	Tanzania	-7.927303	39.755176
Canistrocarpus_cervicornis	Mafia: Chole Bay	Tanzania	-7.927303	39.755176
Canistrocarpus_cervicornis	Mafia: Chole Bay	Tanzania	-7.927303	39.755176
Canistrocarpus_crispatus	Mafia: Chole Bay	Tanzania	-7.927303	39.755176
Dictyota_ciliolata	Mafia: Chole Bay	Tanzania	-7.927303	39.755176
Canistrocarpus_cervicornis	Mafia: Chole Bay: Juani Island	Tanzania	-7.984793	39.789209
Canistrocarpus_cervicornis	Mafia: Chole Bay: Juani Island	Tanzania	-7.984793	39.789209
Canistrocarpus_crispatus	Mafia: Kilindoni	Tanzania	-7.910607	39.658788
Dictyota_bartayresiana	Mafia: Kilindoni	Tanzania	-7.910607	39.658788
Dictyota_friabilis1	Mafia: Chole Bay: Kinasi	Tanzania	-7.979188	39.746459
Dictyota_friabilis1	Mafia: Chole Bay: Kinasi	Tanzania	-7.979188	39.746459
Dictyota_adnata	Mafia: Chole Bay	Tanzania	-7.927303	39.755176

<i>Canistrocarpus_crispatus</i>	Mafia: Chole Bay	Tanzania	-7.927303	39.755176
<i>Canistrocarpus_cervicornis</i>	Mafia: Chole Bay	Tanzania	-7.927303	39.755176
<i>Canistrocarpus_cervicornis</i>	Mafia: Chole Bay	Tanzania	-7.927303	39.755176
<i>Dictyota_rigida1</i>	Kunduchi	Tanzania	-6.67938	39.2253
<i>Dictyota_ciliolata</i>	Kunduchi	Tanzania	-6.67938	39.2253
<i>Canistrocarpus_cervicornis</i>	Kunduchi	Tanzania	-6.67938	39.2253
<i>Canistrocarpus_crispatus</i>	Kunduchi	Tanzania	-6.67938	39.2253
<i>Canistrocarpus_cervicornis</i>	Kunduchi	Tanzania	-6.67938	39.2253
<i>Dictyota_rigida1</i>	Mbudya Island	Tanzania	-6.653067	39.248486
<i>Dictyota_bartayresiana</i>	Mbudya Island	Tanzania	-6.653067	39.248486
<i>Canistrocarpus_crispatus</i>	Mbudya Island	Tanzania	-6.653067	39.248486
<i>Canistrocarpus_cervicornis</i>	Mbudya Island	Tanzania	-6.653067	39.248486
<i>Dictyota_humifusa</i>	Mbudya Island	Tanzania	-6.653067	39.248486
<i>Stoechospermum_polypodioides</i>	Mbudya Island	Tanzania	-6.653067	39.248486
<i>Dictyota_bartayresiana</i>	Pemba: Mkoani	Tanzania	-5.366496	39.638782
<i>Canistrocarpus_cervicornis</i>	Pemba: Mkoani	Tanzania	-5.366496	39.638782
<i>Dictyota_friabilis1</i>	Pemba: Mesali	Tanzania	-5.237289	39.600295
<i>Canistrocarpus_cervicornis</i>	Pemba: Mesali	Tanzania	-5.237289	39.600295
<i>Dictyota_bartayresiana</i>	Pemba: Mesali	Tanzania	-5.237289	39.600295
<i>Dictyota_humifusa</i>	Pemba: Vitongoji	Tanzania	-5.22846	39.852786
<i>Dictyota_friabilis1</i>	Pemba: Vitongoji	Tanzania	-5.22846	39.852786
<i>Canistrocarpus_crispatus</i>	Pemba: Vitongoji	Tanzania	-5.22846	39.852786
<i>Canistrocarpus_cervicornis</i>	Pemba: Vitongoji	Tanzania	-5.22846	39.852786
<i>Dictyota_bartayresiana</i>	Pemba: Tondooni: Verani	Tanzania	-4.903493	39.670821
<i>Dictyota_ciliolata</i>	Pemba: Tondooni: Verani	Tanzania	-4.903493	39.670821
<i>Dictyota_ciliolata</i>	Pemba: Tondooni: Verani	Tanzania	-4.903493	39.670821
<i>Dictyota_ciliolata</i>	Pemba: Tondooni: Verani	Tanzania	-4.903493	39.670821
<i>Dictyota_humifusa</i>	Pemba: Tondooni: Verani	Tanzania	-4.903493	39.670821
<i>Dictyota_hamifera</i>	Pemba: Tondooni: Verani	Tanzania	-4.903493	39.670821
<i>Canistrocarpus_cervicornis</i>	Pemba: Tondooni: Verani	Tanzania	-4.903493	39.670821
<i>Rugulopteryx_marginatus</i>	Victoria: Port Phillip Bay: Williamstown	Australia	-37.8526	144.922

Dictyota_alternifida	Victoria: Point Lonsdale	Australia	-38.291149	144.590721
Rugulopteryx_marginatus	Victoria: Point Lonsdale	Australia	-38.291149	144.590721
Dictyota_acutiloba1	Sinai: Gulf of Aqaba: Ras Um Sid	Egypt	27.846746	34.315528
Dictyota_friabilis1	Sinai: Gulf of Aqaba: Ras Um Sid	Egypt	27.846746	34.315528
Dictyota_friabilis1	Sinai: Gulf of Aqaba: Dahab	Egypt	28.433959	34.456483
Dictyota_acutiloba1	Sinai: Gulf of Aqaba: Dahab	Egypt	28.433959	34.456483
Canistrocarpus_cervicornis	Mbudya Island	Tanzania	-6.659183	39.246179
Canistrocarpus_crispatus	Pongojo Island	Tanzania	-6.703839	39.273556
Canistrocarpus_cervicornis	Pongojo Island	Tanzania	-6.703839	39.273556
Canistrocarpus_cervicornis	Zanzibar: Chwaka Bay: western tide channel	Tanzania	-6.174262	39.434996
Canistrocarpus_cervicornis	Zanzibar: Chwaka Bay: western tide channel	Tanzania	-6.174262	39.434996
Dictyota_humifusa	Zanzibar: Chwaka Bay: western tide channel	Tanzania	-6.174262	39.434996
Dictyota_bartayresiana	Zanzibar: Chwaka Bay: western tide channel	Tanzania	-6.174262	39.434996
Canistrocarpus_cervicornis	Zanzibar: Pongwe	Tanzania	-6.031481	39.407101
Dictyota_bartayresiana	Zanzibar: Pongwe	Tanzania	-6.031481	39.407101
Canistrocarpus_crispatus	Zanzibar: Pongwe	Tanzania	-6.031481	39.407101
Dictyota_ciliolata	Zanzibar: Nungwi	Tanzania	-5.717284	39.301357
Canistrocarpus_cervicornis	Zanzibar: Nungwi	Tanzania	-5.717284	39.301357
Dictyota_ciliolata	Zanzibar: Matemwe	Tanzania	-5.857243	39.359894
Dictyota_humifusa	Zanzibar: Matemwe	Tanzania	-5.857243	39.359894
Dictyota_acutiloba1	Jubail: Ras az-Zaur	Saudi Arabia	27.4228	49.306
Dictyota_ciliolata	Kamaran	Yemen	15.337	42.6208
Canistrocarpus_cervicornis	Kamaran	Yemen	15.337	42.6208
Dictyota_friabilis1	Kamaran	Yemen	15.337	42.6208
Dictyota_acutiloba1	Hawaii: Oahu: Honolulu: Ala Moana	U.S.A.	21.286163	-157.849122
Dictyota_sandvicensis	Hawaii: Oahu: Honolulu: Ala Moana	U.S.A.	21.286163	-157.849122
Padina_sanctaerucis.1	Hawaii: Oahu: Honolulu: Ala Moana	U.S.A.	21.286163	-157.849122
Dictyota_sandvicensis	Hawaii: Oahu: Lanikai	U.S.A.	21.3963	-157.72
Dictyota_friabilis1.a	Hawaii: Oahu: Lanikai	U.S.A.	21.3963	-157.72
Styopodium_hawaiiensis	Hawaii: Oahu: Lanikai	U.S.A.	21.3963	-157.72
Dictyota_friabilis1	Hawaii: Oahu: Kaalawai	U.S.A.	21.255301	-157.800727

Dictyota_acutiloba1	Jubail: Dauhat ad-Dafi: Twin Reef	Saudi Arabia	27.3584	49.4604
Padina_japonica	Tokyo Prefecture: Ogasawara Islands: Futami Bay	Japan	27.086241	142.198396
Padina_sanctaecrucis.1	Tokyo Prefecture: Ogasawara Islands: Futami Bay	Japan	27.086241	142.198396
Canistrocarpus_cervicornis	Teniya, Okinawa Island	Japan	26.567227	128.150514
Dictyota_spinulosa	Teniya, Okinawa Island	Japan	26.567227	128.150514
Dictyota_spinulosa	Teniya, Okinawa Island	Japan	26.567227	128.150514
Padina_ishigakiensis	Okinawa Prefecture: Okinawa Island: Genka	Japan	26.651936	128.049114
Homoeostrichus_flabellatus	Okinawa: Irabu Island	Japan	24.862402	125.159734
Dictyota_acutiloba1	Okinawa: Irabu Island	Japan	24.862402	125.159734
Padina_australis	Okinawa: Irabu Island	Japan	24.859266	125.141159
Padina_australis	Okinawa: Irabu Island	Japan	24.862402	125.159734
Dictyota_friabilis1	Ash-Sharqiyah: Sur	Oman	22.65151	59.44264
Dictyota_friabilis1	Ash-Sharqiyah: Sur	Oman	22.65098	59.43161
Dictyota_friabilis1	Ash-Sharqiyah: Sur	Oman	22.64836	59.42988
Dictyota_friabilis1	Ash-Sharqiyah: Sur	Oman	22.65394	59.43367
Dictyota_friabilis1	Ash-Sharqiyah: Sur	Oman	22.64585	59.43493
Dictyota_ciliolata	Ash-Sharqiyah: Sur	Oman	22.64836	59.42988
Dictyota_friabilis1	Ash-Sharqiyah: Sur	Oman	22.64836	59.42988
Zonaria_diesingiana2	Bablomekang Island	Palau	7.141667	134.317222
Padina_boryana	Malakal Island	Palau	7.328748	134.456182
Padina_arborescens.c		Japan	36.17144	140.616005
Dictyota_ciliolata	Bohol: Panglao	Philippines	9.54354	123.75944
Canistrocarpus_crispatus	Bohol: Panglao: Dumaluan	Philippines	9.557419	123.808321
Dictyota_ciliolata	Bohol: Panglao: Dumaluan	Philippines	9.557419	123.808321
Canistrocarpus_cervicornis	Bohol: Panglao: Dumaluan	Philippines	9.557419	123.808321
Canistrocarpus_crispatus	Olango Island: Caw-Oy	Philippines	10.2462	124.037
Canistrocarpus_crispatus	Luzon: Sorsogon: Bulusan: Dancalan	Philippines	12.848959	124.152889
Dictyota_bartayresiana	Leyte: Isabel: Tolingon	Philippines	10.861493	124.483685
Dictyota_ciliolata	Leyte: Isabel: Tolingon	Philippines	10.861493	124.483685
Canistrocarpus_cervicornis	Mindanao: Zamboanga: Zamboanga City: Vista del Mar	Philippines	6.921487	122.017099
Canistrocarpus_crispatus	Mindanao: Zamboanga: Zamboanga City: Pitogo	Philippines	7.448324	123.314914

<i>Canistrocarpus_cervicornis</i>	Mindanao: Zamboanga: Great Santa Cruz Island	Philippines	6.870804	122.067709
<i>Dictyota_ciliolata</i>	Mindanao: Zamboanga: Zamboanga City: Caragasan	Philippines	6.891337	122.09607
<i>Dictyota_ciliolata</i>	Mindanao: Zamboanga: Zamboanga City: Caragasan	Philippines	6.891337	122.09607
<i>Canistrocarpus_cervicornis</i>	Mindanao: Zamboanga: Zamboanga City: Caragasan	Philippines	6.891337	122.09607
<i>Dictyota_ciliolata</i>	Mindanao: Zamboanga: Zamboanga City: Caragasan	Philippines	6.891337	122.09607
<i>Dictyota_ciliolata</i>	Mindanao: Zamboanga: Zamboanga City: Caragasan	Philippines	6.891337	122.09607
<i>Canistrocarpus_cervicornis</i>	Mactan Island: Punta Engaña	Philippines	10.335186	124.044428
<i>Dictyota_ciliolata</i>	Mactan Island: Punta Engaña	Philippines	10.335186	124.044428
<i>Dictyota_ciliolata</i>	Mactan Island	Philippines	10.284201	123.999295
<i>Canistrocarpus_crispatus</i>	Siquijor: Siquijor: Cang-alwang	Philippines	9.216338	123.463544
<i>Dictyota_bartayresiana</i>	Siquijor: Siquijor: Cang-alwang	Philippines	9.216338	123.463544
<i>Canistrocarpus_cervicornis</i>	Siquijor: Siquijor: Cang-alwang	Philippines	9.216338	123.463544
<i>Dictyota_ciliolata</i>	Bohol: Panglao	Philippines	9.54354	123.75944
<i>Canistrocarpus_crispatus</i>	Negros Oriental: Dumaguete: Bantayan	Philippines	9.330833	123.309417
<i>Dictyota_grossedentata</i>	Negros Oriental: Dumaguete: Bantayan	Philippines	9.330833	123.309417
<i>Canistrocarpus_crispatus</i>	Negros Oriental: Dumaguete: Bantayan	Philippines	9.330833	123.309417
<i>Newhousia_imbricata</i>	Oahu: Hanauma Bay	Hawaii	21.26582	-157.691146
<i>Padina_LSU.japonica</i>		Bahamas	24.546202	-77.695644
<i>Padina_LSU.melemele</i>	Northwest Islands	Hawaii	23.809311	-166.170422
<i>Padina_boryana</i>	Phuket Province: Tha Lang: Koh Pling	Thailand	7.616699	99.017275
<i>Styopodium_flabelliforme1</i>	Bohol: Pangloa Island: Alona Beach	Philippines	9.631042	123.800726
<i>Dictyota_ceylanica5</i>	Pemba	Mozambique	-12.957758	40.533973
<i>Dictyota_canaliculata2.c</i>	Pemba	Mozambique	-12.957758	40.533973
<i>Padina_sp8</i>	Panap Damon Point	Papua New Guinea	-5.162	145.816498
<i>Canistrocarpus_cervicornis</i>	Panap Damon Point	Papua New Guinea	-5.162	145.816498
<i>Padina_sp8</i>	Tab Island	Papua New Guinea	-5.164166	145.838501
<i>Dictyota_sp12</i>	Tab Island	Papua New Guinea	-5.164166	145.838501
<i>Padina_sp8</i>	N Tab Island	Papua New Guinea	-5.166	145.8405
<i>Padina_boryana</i>	Tab Island	Papua New Guinea	-5.166833	145.840836
<i>Padina_okinawaensis.c</i>	Tab Island	Papua New Guinea	-5.166833	145.840836
<i>Dictyota_sp37</i>	Tab Island	Papua New Guinea	-5.166833	145.840836

Dictyopteris_sp7	Tab Island	Papua New Guinea	-5.166833	145.840836
Dictyota_friabilis1.b	W Tab Island	Papua New Guinea	-5.169497	145.839336
Padina_okinawaensis.c	W Panab Island	Papua New Guinea	-5.171667	145.807663
Padina_okinawaensis.c	W Panab Island	Papua New Guinea	-5.171667	145.807663
Dictyota_canaliculata2.c	W Panab Island	Papua New Guinea	-5.171667	145.807663
Padina_okinawaensis.c	W Panab Island	Papua New Guinea	-5.171667	145.807663
Dictyota_sp12	N Kranket Island	Papua New Guinea	-5.189	145.824173
Padina_okinawaensis.c	N Kranket Island	Papua New Guinea	-5.189	145.824173
Canistrocarpus_cervicornis	N Kranket Island	Papua New Guinea	-5.189	145.824173
Dictyota_sp40	N Kranket Island	Papua New Guinea	-5.189	145.824173
Dictyota_grossedentata2	Kranket Island	Papua New Guinea	-5.191833	145.824829
Dictyota_canaliculata2.c	Kranket Island	Papua New Guinea	-5.191833	145.824829
Dictyota_friabilis1.a	Kranket Island	Papua New Guinea	-5.191833	145.824829
Dictyota_grossedentata2	Kranket Island	Papua New Guinea	-5.191833	145.824829
Dictyopteris_delicatula3	Kranket Island	Papua New Guinea	-5.191833	145.824829
Dictyota_adnata	Biliau Island	Papua New Guinea	-5.197461	145.803803
Dictyota_friabilis1.b	Kranket Island	Papua New Guinea	-5.206666	145.816666
Dictyota_sp36	N BilBil Island	Papua New Guinea	-5.295	145.781326
Dictyota_sp12	W BilBil Island	Papua New Guinea	-5.298833	145.77916
Dictyota_bartayresiana	Nosy-Be	Madagascar	-13.268592	48.143367
Dictyota_sp12	Marovasa-Be	Madagascar	-14.987442	47.228179
Dictyota_ciliolata	Mahanjanga	Madagascar	-15.704225	46.303238
Canistrocarpus_cervicornis	Ste Marie	Madagascar	-17.087204	49.800255
Dictyopteris_madagascar	Anosy: Sainte Luce	Madagascar	-24.765	47.21333333
Stoechospermum_polypodioides	Anosy: Sainte Luce	Madagascar	-24.765	47.21333333
Stoechospermum_polypodioides	Tuléar: Lagon de Baravo	Madagascar	-25.20333333	44.32166667
Padina_boergesenii.c	Anosy: Fort Dauphin: plage monseigneur	Madagascar	25.18	47.88
Padina_sp9	Mahonoro: Chez Patrick	Madagascar	-25.07	47.2
Padina_boergesenii.c	Anosy: Fort Dauphin: plage monseigneur	Madagascar	25.18	47.88
Padina_gymnospora.e	Anosy: NE Phare Epatra	Madagascar	-25.219804	46.622132
Padina_sp9	Sainte Luce	Madagascar	-24.88	48.08

Dictyota_dichotoma2	Western Cape Province: Cape Peninsula: Buffels Bay	South Africa	-34.32	18.4626
Dictyota_dichotoma2	Western Cape Province: Cape Peninsula: Buffels Bay	South Africa	-34.32	18.4626
Dictyota_dichotoma2	Western Cape Province: Cape Peninsula: Buffels Bay	South Africa	-34.32	18.4626
Dictyota_dichotoma2	Western Cape Province: Cape Peninsula: Buffels Bay	South Africa	-34.32	18.4626
Dictyota_dichotoma2	Western Cape Province: Cape Peninsula: Buffels Bay	South Africa	-34.32	18.4626
Dictyota_dichotoma2	Western Cape Province: Cape Peninsula: Buffels Bay	South Africa	-34.32	18.4626
Dictyota_dichotoma2	Western Cape Province: Cape Peninsula: Buffels Bay	South Africa	-34.32	18.4626
Dictyota_dichotoma2	Western Cape Province: False Bay: Glencairn	South Africa	-34.32	18.4626
Dictyota_dichotoma2	Western Cape Province: False Bay: Glencairn	South Africa	-34.32	18.4626
Dictyota_dichotoma2	Western Cape Province: False Bay: Glencairn	South Africa	-34.32	18.4626
Dictyota_dichotoma2	Western Cape Province: False Bay: Glencairn	South Africa	-34.32	18.4626
Dictyota_dichotoma2	Western Cape Province: False Bay: Glencairn	South Africa	-34.32	18.4626
Dictyota_dichotoma2	Western Cape Province: False Bay: Glencairn	South Africa	-34.32	18.4626
Dictyota_rigida4	Kwazulu-Natal: Salt Rock	South Africa	-29.496213	31.246765
Canistrocarpus_cervicornis	Kwazulu-Natal: Cape Vidal	South Africa	-28.116762	32.566581
Dictyota_liturata	Kwazulu-Natal: Cape Vidal	South Africa	-28.116762	32.566581
Dictyota_dichotoma1	Western Cape Province: De Hoop: Noetsie	South Africa	-34.465973	20.748005
Dictyopteris_sp5	Sodwana Bay: Ribbon Reef	South Africa	-27.5403	32.6794166
Exallosorus_harveyanus	Western Cape Province: Gansbaai: Romansbaai	South Africa	-34.603349	19.32847
Exallosorus_harveyanus	Eastern Cape Province: Waterloo Bay	South Africa	-33.444589	27.24018
Distromium_sp2	Sodwana 4 Buoy	South Africa	-27.513225	32.684622
Styopodium_multipartitum	Sodwana Bay: Bikini Reef	South Africa	-27.513225	32.684622
Padina_psbA.boryana	Sodwana Bay: Jesser Point	South Africa	-27.446134	32.729645
Dictyota_naevosa	Eastern Cape Province: Kei Mouth	South Africa	-32.6862	28.385
Zonaria_subarticulata	Eastern Cape Province: Kei Mouth	South Africa	-32.6862	28.385
Dictyota_sp7	Western Cape Peninsula: Natures Valley	South Africa	-33.981792	23.641459
Dictyopteris_longifolia	Sodwana Bay: Jesser Point	South Africa	-27.446134	32.729645
Dictyota_dichotoma1	Sodwana Bay: Jesser Point	South Africa	-27.446134	32.729645
Styopodium_multipartitum	Sodwana Bay: Jesser Point	South Africa	-27.446134	32.729645
Padina_psbA.sp7	Kwazulu-Natal: Maphelane: Lighthouse	South Africa	-28.4079	32.426994
Padina_boryana	Raja Ampat: Jelly Point	Indonesia	-0.686765	130.424383

<i>Dictyota_bartayresiana</i>	Pinar del R̄o Province: Caba±as	Cuba	22.986048	-82.960551
<i>Dictyota_mertensii</i> 1	Habana: Miramar	Cuba	23.119609	-82.433646
<i>Dictyota_bartayresiana</i>	Pinar del R̄o Province: Caba±as	Cuba	22.986048	-82.960551
<i>Dictyota_ceylanica</i> 2	Habana Province: Jaruco	Cuba	23.179112	-82.0952
<i>Dictyota_jamaicensis</i>	Habana: Miramar	Cuba	23.119609	-82.433646
<i>Dictyota_bartayresiana</i>	Jucaro	Cuba	21.477747	-77.109776
<i>Dictyota_bartayresiana</i>	Jucaro	Cuba	21.477747	-77.109776
<i>Dictyota_caribaea</i>	Santa Cruz del Sur	Cuba	20.719444	-77.991111
<i>Dictyota_stolonifera</i>	Queensland: Heron Island	Australia	-23.4435	151.914
<i>Dictyota_ciliolata</i>	Western Australia: Ningaloo Reef	Australia	-22.67118	113.6424
<i>Dictyota_dichotoma</i> 1	Zeeland: Schouwen-Duiveland: De Val	Netherlands	51.627042	3.923979
<i>Dictyota_dichotoma</i> 1	Western Cape Province: Gansbaai: Romansbaai	South Africa	-34.603349	19.32847
<i>Dictyota_naevosa</i>	Eastern Cape Province: Waterloo Bay	South Africa	-33.444589	27.24018
<i>Dictyota_rigida</i> 4	Sodwana: Jesser Point	South Africa	-27.5406	32.6823
<i>Dictyota_liturata</i>	Sodwana Bay: Seven Mile Reef	South Africa	-27.4472	32.7167
<i>Dictyota_dichotoma</i> 1	Western Cape Province: Cape Peninsula: Cape of Good Hope	South Africa	-34.357488	18.473598
<i>Canistrocarpus_cervicornis</i>	Uarsciek	Somalia	2.294661	45.79536
<i>Canistrocarpus_cervicornis</i>	Chisimaio: Sar Uanle	Somalia	-0.497157	42.425379
<i>Canistrocarpus_cervicornis</i>	Alula	Somalia	11.944708	50.638068
<i>Canistrocarpus_crispatus</i>	Bajuni Islands: Fuma Island	Somalia	-0.565141	42.401949
<i>Canistrocarpus_crispatus</i>	Merca	Somalia	1.69924	44.777027
<i>Dictyota_acutiloba</i> 1	Hawaii: Oahu: Waikiki	U.S.A.	21.275722	-157.831705
<i>Dictyota_humifusa</i>	Hawaii: Oahu: Waikiki	U.S.A.	21.275722	-157.831705
<i>Dictyota_sandvicensis</i> 1	Hawaii: Oahu: Hanauma Bay	U.S.A.	21.2712	-157.739
<i>Exallosorus_harveyanus</i>	Cape Town: Boulders Beach	South Africa	-34.197659	18.454917
<i>Homoeostrichus_canaliculatus</i>	South Australia: Nora Creina	Australia	-37.345058	139.862827
<i>Homoeostrichus_olsenii</i>	South Australia: Nora Creina	Australia	-37.345058	139.862827
<i>Zonaria_crenata</i>	South Australia: Nora Creina	Australia	-37.345058	139.862827
<i>Homoeostrichus_sinclairii</i>	South Australia: Nora Creina	Australia	-37.345058	139.862827
<i>Homoeostrichus_sinclairii</i>	South Australia: Nora Creina	Australia	-37.345058	139.862827
<i>Zonaria_crenata</i>	South Australia: Nora Creina	Australia	-37.345058	139.862827

Zonaria_crenata	South Australia: Kangaroo Island: Emu Bay	Australia	-35.592866	137.510329
Zonaria_spiralis	South Australia: Kangaroo Island: Emu Bay	Australia	-35.592866	137.510329
Dictyota_dichotoma3	South Australia: Nora Creina	Australia	-37.345058	139.862827
Zonaria_crenata	South Australia: Kangaroo Island: Emu Bay	Australia	-35.592866	137.510329
Dictyota_implixa	Algarve: Armacao de Pera	Portugal	37.099936	-8.358243
Padina_arborescens.c	Kagoshima Prefecture: Shimadomari	Japan	31.21551	130.407993
Padina_arborescens.c	Nagasaki Prefecture: Nagasaki: Taira	Japan	32.73085	129.85964
Padina_australis	Okinawa Prefecture: Okinawa Island: Awase	Japan	26.313784	127.850901
Padina_australis	Okinawa Prefecture: Okinawa Island: Urazoko	Japan	26.265328	127.696489
Padina_crassa.b	Nagasaki Prefecture: Nagasaki: Taira	Japan	32.73085	129.85964
Padina_crassa.b	Ishikawa Prefecture: Akazumi	Japan	37.024683	136.736978
Padina_japonica	Nagasaki Prefecture: Nagasaki: Taira	Japan	32.73085	129.85964
Padina_japonica	Ishikawa Prefecture: Akazumi	Japan	37.024683	136.736978
Padina_melemele.h	Okinawa Prefecture: Okinawa Island: Awase	Japan	26.313784	127.850901
Padina_melemele.h	Okinawa Prefecture: Okinawa Island: Awase	Japan	26.313784	127.850901
Padina_melemele.h	Tokyo Prefecture: Ogasawara Island: Chichi-jima Island	Japan	27.082565	142.204499
Padina_melemele.d	Okinawa Prefecture: Ishigaki-jima Island	Japan	24.48597	124.293225
Padina_melemele.d	Okinawa Prefecture: Ishigaki-jima Island	Japan	24.48597	124.293225
Padina_minor	Kagoshima Prefecture: Koshiki Island	Japan	31.766079	129.802201
Padina_minor	Okinawa Prefecture: Iriomote-jima Island	Japan	24.261534	123.802645
Padina_minor	Okinawa Prefecture: Iriomote-jima Island	Japan	24.261534	123.802645
Padina_moffittiana	Okinawa Prefecture: Okinawa Island: Awase	Japan	26.313784	127.850901
Padina_moffittiana	Okinawa Prefecture: Okinawa Island: Awase	Japan	26.313784	127.850901
Padina_moffittiana	Okinawa Prefecture: Okinawa Island: Awase	Japan	26.313784	127.850901
Padina_moffittiana	Okinawa Prefecture: Okinawa Island: Awase	Japan	26.313784	127.850901
Padina_ryukyuana	Okinawa Prefecture: Okinawa Island: Awase	Japan	26.313784	127.850901
Padina_ryukyuana	Okinawa Prefecture: Iriomote-jima Island	Japan	24.261534	123.802645
Padina_thivyae	Kagoshima Prefecture: Tanega-shima Island	Japan	30.564588	131.038664
Padina_thivyae	Kagoshima Prefecture: Tanega-shima Island	Japan	30.564588	131.038664
Padina_thivyae	Kagoshima Prefecture: Tanega-shima Island	Japan	30.564588	131.038664
Padina_okinawaensis.c	Okinawa Prefecture: Okinawa Island: Awase	Japan	26.313784	127.850901

Padina_okinawaensis.c	Okinawa Prefecture: Ishigaki Island: Sekisei	Japan	24.337805	124.016986
Padina_okinawaensis.c	Okinawa Prefecture: Amami-Oshima Island: Nakohi	Japan	28.336905	129.578551
Padina_undulata.jonesii	Okinawa Prefecture: Okinawa Island: Awase	Japan	26.314564	127.835024
Padina_undulata.jonesii	Okinawa Prefecture: Ishigaki Island: Aragusuku	Japan	24.337805	124.016986
Padina_terricolor	Okinawa Prefecture: Okinawa Island: Genka	Japan	26.639131	128.060043
Padina_terricolor	Okinawa Prefecture: Okinawa Island: Awase	Japan	26.314564	127.835024
Padina_terricolor	Okinawa Prefecture: Okinawa Island: Awase	Japan	26.314564	127.835024
Padina_terricolor	Okinawa Prefecture: Amami-Oshima Island: Kasari	Japan	28.403776	129.475273
Padina_fasciata	Okinawa Prefecture: Iriomote-jima Island: Nakano	Japan	24.261534	123.802645
Padina_fasciata	Okinawa Prefecture: Okinawa Island: Awase	Japan	26.313784	127.850901
Padina_fasciata	Okinawa Prefecture: Iriomote-jima Island: Hoshizuna Beach	Japan	24.439001	123.777754
Padina_fasciata	Okinawa Prefecture: Ishigaki Island: Fukido	Japan	24.486438	124.225729
Padina_sanctaerucis.1	Okinawa Prefecture: Iriomote Island: Haemida Beach	Japan	24.261414	123.845297
Padina_sanctaerucis.1	Okinawa Prefecture: Ishigaki Island: Miyara	Japan	24.347656	124.209686
Padina_sanctaerucis.1	Okinawa Prefecture: Ishigaki Island: Fukido	Japan	24.486438	124.225729
Padina_ishigakiensis	Okinawa Prefecture: Okinawa Island: Awase	Japan		
Padina_ishigakiensis	Okinawa Prefecture: Ishigaki Island: Hunakoshi	Japan		
Padina_ishigakiensis	Okinawa Prefecture: Amami-Oshima Island: Koniya	Japan		
Padina_ishigakiensis	Okinawa Prefecture: Amami-Oshima Island: Koniya	Japan		
Padina_macrophylla	Okinawa Prefecture: Ishigaki Island: Aashioya	Japan	34.441634	135.179321
Padina_macrophylla	Okinawa Prefecture: Ishigaki Island: Akasaki	Japan	24.351269	124.103751
Padina_macrophylla	Awase, Okinawa Island, Okinawa Prefecture	Japan	26.282853	127.820398
Padina_macrophylla	Okinawa Prefecture: Iriomote Island: Hinai	Japan	24.360283	123.68443
Padina_usoehrtunii	Pathein (Bassein): Chaung Thar beach	Myanmar	16.638306	94.295589
Padina_maroensis	Maro Reef	Hawaii	25.383572	-170.585695
Padina_maroensis	Maro Reef	Hawaii	25.383572	-170.585695
Padina_ditristromatica	Augusta Syracuse: Brucoli	Italy	37.223729	15.227611
Padina_pavonicoides	Cannes: Port Cap de la Croisette	France	43.545652	7.013608
Padina_calcareae	north of Babeldaob Island	Palau	7.954532	134.627698
Dictyota_canaliculata2.a	Raja Ampat: Kri	Indonesia	-0.561883	130.661
Dictyota_canaliculata2.a	Raja Ampat: Kri	Indonesia	-0.561883	130.661

Dictyota_humifusa	Raja Ampat: Kri	Indonesia	-0.556167	130.691
Dictyota_sp34	Raja Ampat: Mioskon Island	Indonesia	-0.4968	130.727
Dictyota_ciliolata	Raja Ampat: Gam	Indonesia	-0.5361	130.579
Dictyota_friabilis1.a	Raja Ampat: Sleeping Barracuda reef	Indonesia	-0.545317	130.7
Dictyota_adnata	Raja Ampat: Gam	Indonesia	-0.51895	130.57
Canistrocarpus_crispatus	Raja Ampat: Gam: Besir Bay	Indonesia	-0.516467	130.564
Canistrocarpus_cervicornis	Raja Ampat: Gam: Besir Bay	Indonesia	-0.516467	130.564
Dictyota_canaliculata2	Raja Ampat: Batanta	Indonesia	-0.77965	130.712
Canistrocarpus_crispatus	Raja Ampat: Batanta	Indonesia	-0.781233	130.708
Canistrocarpus_crispatus	Raja Ampat: Batanta	Indonesia	-0.781233	130.708
Dictyota_sp10	Raja Ampat: Batanta	Indonesia	-0.77965	130.712
Dictyota_adnata	Raja Ampat: Gam: Besir Bay	Indonesia	-0.489889	130.593
Dictyota_canaliculata1	Raja Ampat: Gam: Desa Besir	Indonesia	-0.463367	130.687
Dictyota_sp17	Raja Ampat: Gam	Indonesia	-0.428983	130.566
Dictyota_ceylanica4	Raja Ampat: Gam	Indonesia	-0.429233	130.56
Canistrocarpus_cervicornis	Raja Ampat: Gam	Indonesia	-0.429233	130.56
Dictyota_sp11	Raja Ampat: Gam	Indonesia	-0.506717	130.65
Dictyota_sp16	Raja Ampat: Gam: Yenweres Bay	Indonesia	-0.486933	130.673
Dictyota_ciliolata	Raja Ampat: Gam	Indonesia	-0.506717	130.65
Canistrocarpus_crispatus	Raja Ampat: Gam	Indonesia	-0.506717	130.65
Dictyota_sp16	Raja Ampat: Gam	Indonesia	-0.487733	130.664
Dictyota_canaliculata2.b	Raja Ampat: Gam: Yenweres Bay	Indonesia	-0.486933	130.673
Dictyota_canaliculata1	Raja Ampat: Yeffam Island	Indonesia	-0.56945	130.274
Dictyota_ciliolata	North Carolina: Beaufort: Radio Island	U.S.A.	34.7146	-76.6906
Dictyota_ciliolata	North Carolina: Beaufort: Radio Island	U.S.A.	34.7146	-76.6906
Canistrocarpus_cervicornis	Mahé Island: Ile Souris: Pointe du Sel	Seychelles	-4.737618	55.525807
Canistrocarpus_cervicornis	Praslin Island: Grande Anse	Seychelles	-4.32774	55.6977
Canistrocarpus_crispatus	Praslin Island: Grande Anse	Seychelles	-4.32774	55.6977
Canistrocarpus_cervicornis	La Digue Island	Seychelles	-4.3831	55.8362
Dictyota_ciliolata	La Digue Island	Seychelles	-4.3831	55.8362
Canistrocarpus_cervicornis	Moyenne Island	Seychelles	-4.618002	55.508685

Dictyota_ciliolata	St Joseph Atoll	Seychelles	-5.4106	53.3183
Dictyota_friabilis1	St Joseph Atoll	Seychelles	-5.4106	53.3183
Dictyota_ciliolata	Ile Desnoeufts	Seychelles	-6.238543	53.03928
Dictyota_ciliolata	Mahé Island: Anse Forbans	Seychelles	-4.74498	55.518311
Dictyota_ciliolata	Mahé Island: l'Islette	Seychelles	-4.663685	55.410699
Canistrocarpus_crispatus	Mahé Island: l'Islette	Seychelles	-4.663685	55.410699
Canistrocarpus_cervicornis	Mahé Island: l'Islette	Seychelles	-4.663685	55.410699
Padina_pavonica.1a	Mallorca: Port des Canonges	Spain	39.491574	2.436724
Padina_pavonica.1d	Mallorca: Port des Canonges	Spain	39.491574	2.436724
Padina_pavonicoides	Menorca Island: La Llosa d'en Patro Pere	Spain	39.984645	3.808926
Padina_calcareo	West-Papua: Gam Island: Besir Bay: Cape Besir	Indonesia	-1.63738	129.908504
Padina_calcareo	Batanta Island: Gegenlol Bay	Indonesia	-0.802771	130.422207
Padina_calcareo	Wai Island (Jerief Isl.): Yenweres Bay	Indonesia	-0.701667	130.708056
Dictyota_acutiloba1	Hawaii: Kauai: Anini Reef	U.S.A.	22.22337	-159.43776
Padina_arborescens.b	Seto Inland Sea: Awaji-shima: Oishi	Japan	34.27233	134.9544
Dictyota_dichotoma2	Seto Inland Sea: Awaji-shima: Oishi	Japan	34.27233	134.9544
Dictyota_coriacea	Seto Inland Sea: Awaji-shima: Oishi	Japan	34.27233	134.9544
Dictyota_koreana	Seto Inland Sea: Awaji-shima: Oishi	Japan	34.27233	134.9544
Dictyota_sp16	Halmahera: Tidore: Cobo	Indonesia	0.755194	127.406611
Dictyota_sp34	Halmahera mainland: Tanjung Ratemu (S of river)	Indonesia	0.906861	127.48825
Dictyota_sp34	Halmahera: Ternate: Sulamadaha II	Indonesia	0.867222	127.329389
Dictyota_sp34	Halmahera: Ternate: Dufadufa / Benteng Toloko	Indonesia	0.813639	127.389333
Dictyota_sp34	Pulau Gura Ici: Pulau Gura Ici E	Indonesia	-0.021472	127.238111
Dictyota_ceylanica6	Pulau Gura Ici: Pulau Lela S	Indonesia	-0.030889	127.250861
Dictyota_sp34	Halmahera: off Tidore: Pulau Pilongga S	Indonesia	0.71225	127.479806
Dictyota_sp16	off Halmahera mainland: Teluk Dodinga E: N of Pulau Jere	Indonesia	0.846611	127.630194
Dictyota_friabilis1.a	off Halmahera mainland: Teluk Dodinga E: NW of Pulau Jere	Indonesia	0.840556	127.631667
Dictyota_sp34	off Halmahera mainland: Teluk Dodinga: Karang Galiasa Besar I	Indonesia	0.846	127.585389
Dictyota_sp15	Awlad Baraka	Egypt	24.9658	34.9428
Taonia_atomaria	Sicily: Capo Passero	Italy	36.674	15.1385
Dictyota_spiralis1	Sicily: Giardini Naxos	Italy	37.8218	15.2782

Dictyota_mediterranea	Sicily: Giardini Naxos	Italy	37.8218	15.2782
Dictyota_spiralis1	Sicily: Giardini Naxos	Italy	37.8218	15.2782
Dictyota_mediterranea	Sicily: Capo di Milazzo	Italy	38.2714	15.2306
Dictyota_bartayresiana	Playa Lagun	Curacao	12.321231	-69.151827
Canistrocarpus_cervicornis	Playa Lagun	Curacao	12.321231	-69.151827
Canistrocarpus_cervicornis	Playa Lagun	Curacao	12.321231	-69.151827
Dictyota_bartayresiana	Playa Piskano	Curacao	12.3159	-69.052333
Dictyota_bartayresiana	Karachi: Buleji	Pakistan	24.839826	66.823814
Canistrocarpus_cervicornis	Karachi: Buleji	Pakistan	24.839826	66.823814
Dictyota_coriacea	Shizuoka Prefecture: Yumigahama	Japan	34.626035	138.891208
Dictyota_coriacea	Shizuoka Prefecture: Touji	Japan	34.641256	138.91701
Homoeostrichus_sinclairii	South Australia: Nora Creina	Australia	-37.345058	139.862827
Homoeostrichus_sinclairii	South Australia: Nora Creina	Australia	-37.345058	139.862827
Dictyota_pleiacantha1	Santa Maria, STo Lorento	Azores	36.987038	-25.052322
Dictyota_dichotoma2	Gyungsangbuk-do: Pohang: Guryongpo	Korea	35.801867	129.503291
Dictyota_dichotoma2	Gyungsangbuk-do: Pohang: Guryongpo	Korea	35.801867	129.503291
Dictyota_cyanoloma	Azores: STo Miguel: Lagoa	Portugal	37.741116	-25.573829
Dictyota_sp5	Azores: STo Miguel: Lagoa	Portugal	37.741116	-25.573829
Dictyota_friabilis1	Socotra Archipelago: Socotra: Diham	Yemen	12.59945	53.820533
Padina_japonica				
Padina_18S.crassa				
Dictyopteris_australis	Shimane: Oki Island	Japan	36.266736	133.144411
Zonaria_diesingiana	Shimane: Oki-shoto	Japan	36.236096	133.142636
Dictyota_sandvicensis	Shimane: Oki-shoto	Japan	36.236096	133.142636
Dictyota_adnata	Moluccas: Ambon	Indonesia	-3.702358	128.156764
Canistrocarpus_cervicornis	Sumba	Indonesia	-9.625549	120.432046
Canistrocarpus_crispatus	Sumba	Indonesia	-9.625549	120.432046
Dictyota_bartayresiana	Sumba	Indonesia	-9.625549	120.432046
Canistrocarpus_crispatus	Komodo Island, Teluk Slawi	Indonesia	-8.582735	119.497972
Canistrocarpus_crispatus	Komodo Island: Selat Linta	Indonesia	-8.617525	119.567385
Canistrocarpus_cervicornis	Komodo Island: Selat Linta	Indonesia	-8.617525	119.567385

<i>Dictyota bartayresiana</i>	Sumbawa: Sanggar	Indonesia	-8.360974	118.30125
<i>Dictyota bartayresiana</i>	Socotra Archipelago: Socotra: Nojid: Rhiy di-Qatanhin	Yemen	12.3208	53.61927
<i>Canistrocarpus cervicornis</i>	Socotra Archipelago: Socotra: Nojid: Rhiy di-Diblih	Yemen	12.35293	54.12073
<i>Dictyota ciliolata</i>	Socotra Archipelago: Socotra: Bindar Fikhah	Yemen	12.558499	54.50836
<i>Canistrocarpus cervicornis</i>	Socotra Archipelago: Socotra: Qadub: Dihamd	Yemen	12.61255	53.85892
<i>Dictyota ciliolata</i>	Socotra Archipelago: Socotra: Qadub: Dihamd	Yemen	12.61255	53.85892
<i>Dictyota ciliolata</i>	Socotra Archipelago: Socotra: Qadub: Dihamd	Yemen	12.63435	53.87203
<i>Dictyota ciliolata</i>	Socotra Archipelago: Socotra: Qadub: Dihamd	Yemen	12.63435	53.87203
<i>Dictyota friabilis1</i>	Socotra Archipelago: Socotra: Nojid: Rhiy di-Qatanhin	Yemen	12.35312	53.54337
<i>Dictyota ciliolata</i>	Socotra Archipelago: Socotra: Rhiy di-Sa'b	Yemen	12.54038	53.31123
<i>Canistrocarpus cervicornis</i>	Socotra Archipelago: Socotra: Rhiy di-Isfir: Bindar di-Sa'b	Yemen	12.60352	53.39742
<i>Canistrocarpus cervicornis</i>	Socotra Archipelago: Socotra: Nojid: Rhiy di-Diblih	Yemen	12.3267	53.99863
<i>Dictyota ciliolata</i>	Socotra Archipelago: Socotra: Nojid: Rhiy di-Diblih	Yemen	12.32527	53.99975
<i>Dictyota ciliolata</i>	Socotra Archipelago: Socotra: Nojid: Rhiy di-Diblih	Yemen	12.32588	54.01515
<i>Dictyota ciliolata</i>	Socotra Archipelago: Socotra: Nojid: Rhiy di-Diblih	Yemen	12.32588	54.01515
<i>Dictyota ciliolata</i>	Socotra Archipelago: Socotra: Ras Shizra	Yemen	12.45223	54.35953
<i>Dictyota ciliolata</i>	Socotra Archipelago: Socotra: Mahfirhin	Yemen	12.40682	54.24015
<i>Canistrocarpus cervicornis</i>	Socotra Archipelago: Socotra: Mahfirhin	Yemen	12.40682	54.24015
<i>Dictyota liturata</i>	Isla De Margarita: Porlamar: Playa El Agua	Venezuela	10.9527	-63.8435
<i>Dictyota pinnatifida</i>	Isla De Margarita: Playa El Tirano	Venezuela	11.118889	-63.841829
<i>Zonaria diesingiana</i>	Ishigaki Island	Japan	24.486438	124.225729
<i>Spatoglossum pacificum</i>	Shizuoka Prefecture: Shirahama	Japan	33.700967	135.341557
<i>Dictyota koreana</i>	Shizuoka Prefecture: Touji	Japan	34.641256	138.91701
<i>Dictyopteris undulata</i>	Shizuoka Prefecture: Touji	Japan	34.641256	138.91701
<i>Dictyota dichotoma2</i>	Shizuoka Prefecture: Shirahama	Japan	33.700967	135.341557
<i>Spatoglossum crassum</i>	Shizuoka Prefecture: Yumigahama	Japan	34.626035	138.891208
<i>Dictyopteris prolifera2</i>	Shizuoka Prefecture: Tsumekizaki	Japan	34.644556	138.917292
<i>Zonaria diesingiana</i>	Shizuoka Prefecture: Yoshida	Japan	34.751585	138.273319
<i>Distromium decumbens1</i>	Shizuoka Prefecture: Yoshida	Japan	34.751585	138.273319
<i>Padina arborescens.c</i>	Shizuoka Prefecture: Touji	Japan	34.641256	138.91701
<i>Dictyota koreana</i>	Shizuoka Prefecture: Tago Bay	Japan	34.767254	138.773491

<i>Rugulopteryx_okamurae</i>	Shizuoka Prefecture: Touji	Japan	34.641256	138.91701
<i>Rugulopteryx_okamurae</i>	Shizuoka Prefecture: Yumigahama	Japan	34.626035	138.891208
<i>Dictyota_flabellata</i>	Baja California Sur: El Sauzoso	Mexico	24.2487	-110.59
<i>Homoeostrichus_formosana</i>	Kenting: Kaisung: Big Bay	Taiwan	21.932813	120.785594
<i>Homoeostrichus_formosana</i>	Kenting: Kaisung: Big Bay	Taiwan	21.932813	120.785594
<i>Styopodium_flabelliforme1</i>	Kaisung, Pratas Island	Taiwan	20.716667	116.7
<i>Padina_fasciata</i>	Okinawa Prefecture: Taketomi Island	Japan	24.312087	124.078832
<i>Padina_sanctaecrucis.1</i>	Okinawa Prefecture: Taketomi Island	Japan	24.312087	124.078832
<i>Padina_australis</i>	Satun Province: Tarutao Island: Talovov	Thailand	6.627776	99.600934
<i>Dictyota_intermedia</i>	Queensland: Yeppoon: Keppel Bay	Australia	-23.136	150.76
<i>Dictyota_ciliolata</i>	Queensland: Yeppoon: Keppel Bay	Australia	-23.136	150.76
<i>Dictyota_acutiloba1</i>	Cooee Bay, Yeppoon, Queensland	Australia	-23.136	150.76
<i>Rugulopteryx_marginatus</i>	Queensland: Yeppoon: Keppel Bay	Australia	-23.136	150.76
<i>Canistrocarpus_cervicornis</i>	Queensland: Yeppoon: Keppel Bay	Australia	-23.136	150.76
<i>Dictyota_rigida2</i>	Queensland: Yeppoon: Keppel Bay	Australia	-23.136	150.76
<i>Dictyota_ciliolata</i>	Queensland: Yeppoon: Keppel Bay	Australia	-23.136	150.76
<i>Styopodium_flabelliforme1</i>	Kaisung, Pratas Island	Taiwan	20.716667	116.7
<i>Dictyopteris_muelleri</i>	Tasmania: Taroon	Australia	-42.955951	147.346861
<i>Padina_stipitata</i>	Chesterfield Island	New Caledonia		
<i>Dictyota_humifusa</i>	Mbudya Island	Tanzania	-6.61818	39.27196
<i>Zonaria_diesingiana</i>	Mbudya Island	Tanzania	-6.61818	39.27196
<i>Padina_boergesenii.c</i>	Mbudya Island	Tanzania	-6.652822	39.247777
<i>Dictyota_ciliolata</i>	Mbudya Island	Tanzania	-6.652822	39.247777
<i>Canistrocarpus_cervicornis</i>	Mbudya Island	Tanzania	-6.652822	39.247777
<i>Padina_boergesenii.c</i>	Mbudya Island	Tanzania	-6.65545	39.24511
<i>Distromium_sp3</i>	Kunduchi	Tanzania	-6.61532	39.24417
<i>Dictyota_bartayresiana</i>	Mtwara: Ruvula	Tanzania	-10.28763	40.40383
<i>Dictyota_ceylanica5</i>	Mtwara: Ruvula	Tanzania	-10.28763	40.40383
<i>Canistrocarpus_cervicornis</i>	Mtwara: Ruvula	Tanzania	-10.28763	40.40383
<i>Dictyota_ciliolata</i>	Mtwara: Ruvula	Tanzania	-10.31735	40.39764
<i>Dictyota_bartayresiana</i>	Mtwara: Ruvula	Tanzania	-10.31735	40.39764

Canistrocarpus_cervicornis	Mtwara: Ruvula	Tanzania	-10.31735	40.39764
Dictyota_bartayresiana	Mtwara: Ruvula	Tanzania	-10.31735	40.39764
Distromium_sp3	Mtwara: Mikindani	Tanzania	-10.23412	40.167
Dictyota_bartayresiana	Mtwara: Mikindani	Tanzania	-10.23412	40.167
Dictyota_sp11	Mtwara: Mikindani Bay	Tanzania	-10.23412	40.167
Canistrocarpus_cervicornis	Mtwara: Mikindani Bay	Tanzania	-10.19765	40.14367
Styopodium_sp3	Mtwara: Mikindani Bay	Tanzania	-10.19765	40.14367
Dictyota_stolonifera	Mtwara: Mikindani Bay	Tanzania	-10.19765	40.14367
Dictyota_ciliolata	Zanzibar: Bawi Island	Tanzania	-6.15862	39.12676
Dictyota_ciliolata	Zanzibar: Bawi Island	Tanzania	-6.15862	39.12676
Canistrocarpus_cervicornis	Zanzibar: Bawi Island	Tanzania	-6.15863	39.12676
Canistrocarpus_cervicornis	Zanzibar: Bawi Island	Tanzania	-6.15863	39.12676
Dictyota_stolonifera	Zanzibar: Mnemba atoll	Tanzania	-5.83813	39.39187
Dictyota_stolonifera	Zanzibar: Mnemba atoll	Tanzania	-5.83813	39.39187
Dictyota_grossedentata	Zanzibar: Mnemba atoll	Tanzania	-5.83813	39.39187
Padina_sp4	Zanzibar: Nungwi	Tanzania	-5.71527	39.3001
Padina_boergesenii.c	Zanzibar: Nungwi	Tanzania	-5.71527	39.3001
Canistrocarpus_cervicornis	Zanzibar: Nungwi	Tanzania	-5.71527	39.3001
Canistrocarpus_cervicornis	Zanzibar: Nungwi	Tanzania	-5.71527	39.3001
Padina_boergesenii.c	Zanzibar: Nungwi	Tanzania	-5.72256	39.3172
Canistrocarpus_cervicornis	Zanzibar: Nungwi	Tanzania	-5.72256	39.3172
Canistrocarpus_cervicornis	Zanzibar: Nungwi	Tanzania	-5.72256	39.3172
Dictyota_ceylanica3	Zanzibar: Matemwe	Tanzania	-5.88823	39.3609
Dictyota_ceylanica3	Zanzibar: Matemwe	Tanzania	-5.88823	39.3609
Dictyota_ceylanica3	Zanzibar: Matemwe	Tanzania	-5.88823	39.3609
Canistrocarpus_cervicornis	Zanzibar: Matemwe	Tanzania	-5.88823	39.3609
Dictyota_rigida1	Zanzibar: Matemwe	Tanzania	-5.88823	39.3609
Dictyota_ciliolata	Zanzibar: Matemwe	Tanzania	-5.88823	39.3609
Dictyota_bartayresiana	Zanzibar: Pongwe	Tanzania	-6.031481	39.407101
Canistrocarpus_cervicornis	Zanzibar: Pongwe	Tanzania	-6.031481	39.407101
Canistrocarpus_cervicornis	Zanzibar: Pongwe	Tanzania	-6.031481	39.407101

Dictyota_bartayresiana	Zanzibar: Chwaka	Tanzania	-6.168033	39.442635
Dictyota_bartayresiana	Zanzibar: Chwaka	Tanzania	-6.168033	39.442635
Canistrocarpus_cervicornis	Zanzibar: Chwaka	Tanzania	-6.168033	39.442635
Canistrocarpus_cervicornis	Zanzibar: Chwaka	Tanzania	-6.168033	39.442635
Canistrocarpus_crispatus	Zanzibar: Paje	Tanzania	-6.268888	39.546318
Padina_boergesenii.a	Zanzibar: Paje	Tanzania	-6.268888	39.546318
Canistrocarpus_cervicornis	Zanzibar: Paje	Tanzania	-6.268888	39.546318
Canistrocarpus_cervicornis	Zanzibar: Makunduchi	Tanzania	-6.432927	39.568892
Padina_boergesenii.c	Zanzibar: Makunduchi	Tanzania	-6.432927	39.568892
Padina_boergesenii.a	Zanzibar: Makunduchi	Tanzania	-6.432927	39.568892
Dictyota_dichotoma1	Marseille: Gulf of Marseille	France	43.3366	5.29514
Dictyota_dichotoma1	Provence-Alpes-Côte d'Azur: Marseille: Sugitan	France	43.3366	5.29514
Dictyota_fasciola	Provence-Alpes-Côte d'Azur: Marseille: Sugitan	France	43.3366	5.29514
Dictyota_implexa	Provence-Alpes-Côte d'Azur: Marseille: Sugitan	France	43.3366	5.29514
Dictyota_dichotoma1	Provence-Alpes-Côte d'Azur: Marseille: Sugitan	France	43.3366	5.29514
Dictyota_dichotoma1	Provence-Alpes-Côte d'Azur: Marseille: Sugitan	France	43.3366	5.29514
Dictyota_dichotoma1	Provence-Alpes-Côte d'Azur: Marseille: Sugitan	France	43.3366	5.29514
Dictyota_dichotoma1	Provence-Alpes-Côte d'Azur: Marseille: Sugitan	France	43.3366	5.29514
Dictyota_coriacea	Anin	South-Korea	37.72648	129.067379
Dictyopteris_divaricata	Anin	South-Korea	37.72648	129.067379
Dictyopteris_latiuscula	Gyoungsangnamdo: Sangjokam	South Korea	34.900717	128.268301
Dictyopteris_undulata	Jeollanam-do: Heuksando	South-Korea	34.671569	125.448485
Dictyopteris_prolifera1	Gyungshangbuk-do: Gampo	Korea	35.801867	129.503291
Dictyopteris_undulata	Seongsan	South-Korea	33.463061	126.93982
Dictyopteris_prolifera1	Seongsan	South-Korea	33.463061	126.93982
Spatoglossum_crassum	Anin	South-Korea	37.72648	129.067379
Spatoglossum_pacificum	Gyungshangbuk-do: Gampo	Korea	35.801867	129.503291
Dictyota_coriacea	Dolsando	South-Korea	34.604297	127.730529
Padina_crassa.b	Gyoungsangnamdo: Sangjokam	South Korea	34.900717	128.268301
Dictyota_coriacea	Yeonam	Korea	35.57313	129.464376
Dictyota_dichotoma2	Jeollanam-do: Heuksando	South-Korea	34.671569	125.448485
Dictyota_dichotoma2	Dolsando	South-Korea	34.604297	127.730529

Dictyota_dichotoma2	Gyoungsangnamdo: Sangjokam	South Korea	34.900717	128.268301
Rugulopteryx_okamurae	Seongsan	South-Korea	33.463061	126.93982
Zonaria_diesingiana	Seongsan	South-Korea	33.463061	126.93982
Dictyopteris_divaricata	Jeollanam-do: Jindo-gun	Korea	34.327304	126.180547
Dictyota_dichotoma2	Chuksan	Korea	37.851351	128.92609
Dictyota_pleiacantha2	North Carolina: Onslow Bay: Pete Parkers Numbers	United States	34.24056	-76.5921
Dictyota_ciliolata	North Carolina: Onslow Bay: Northwest places #3	United States	34.42991	-76.61143
Dictyota_ciliolata	North Carolina: Onslow Bay: Northwest places #3	United States	34.42991	-76.61143
Dictyota_pleiacantha2	North Carolina: Onslow Bay	United States of Americ	33.80336	-77.31321
Dictyota_sp29	North Carolina: Onslow Bay	United States of Americ	33.80336	-77.31321
Dictyota_sp29	North Carolina: Onslow Bay	United States of Americ	33.63556	-77.22168
Dictyota_sp29	North Carolina: Onslow Bay: Southeast Tower	United States	33.5033	-77.16603
Dictyota_pfaffii	North Carolina: Onslow Bay	United States of Americ	33.80336	-77.31321
Dictyota_sp29	North Carolina: Onslow Bay: Southeast Tower	United States	33.5033	-77.16603
Dictyota_ciliolata	North Carolina: Onslow Bay: Southeast Tower	United States	33.5033	-77.16603
Dictyota_sp29	North Carolina: Onslow Bay: Woo	United States	34.12226	-76.53948
Dictyota_ciliolata	North Carolina: Onslow Bay: Ken	USA	33.63871	-76.94198
Dictyota_sp29	North Carolina: Onslow Bay: Ken	United States of Americ	33.63871	-76.94198
Dictyota_sp29	North Carolina: Onslow Bay: Ken	United States of Americ	33.63871	-76.94198
Dictyota_sp29	North Carolina: Onslow Bay: Ken	United States	33.79269	-76.70305
Dictyota_sp29	North Carolina: Onslow Bay: Big Fish	United States	33.79269	-76.70305
Dictyota_jamaicensis	North Carolina: Onslow Bay: Big Fish	United States	33.79269	-76.70305
Dictyota_alternifida	South-Australia	Australia	-37.614171	139.750895
Dictyota_binghamiae	British Columbia: Bamfield	Canada	48.862	-125.177
Newhousia_imbricata	Oahu: Hanauma Bay mouth	Hawaii	21.267264	-157.69151
Homoeostrichus_formosana	Kenting: Kaisung: Big Bay	Taiwan	21.932813	120.785594
Zonaria_diesingiana	Ishigaki Island	Japan	24.486438	124.225729
Homoeostrichus_formosana	Kenting: Kaisung: Big Bay	Taiwan	21.932813	120.785594
Newhousia_imbricata	Oahu: Hanauma Bay mouth	Hawaii	21.267264	-157.69151
Dictyopteris_divaricata	Yamagata, Atsumi	Japan	38.635474	139.556365
Dictyopteris_divaricata	Jeollanam-do: Heuksando	South-Korea	34.671569	125.448485

Dictyopteris_prolifera1	Gangwon-do: Chuksan	Korea	37.851351	128.92609
Rugulopteryx_okamurae	Shizuoka Prefecture, Shimoda	Japan	34.654976	138.954206
Rugulopteryx_okamurae	Shizuoka Prefecture: Touji	Japan	34.641256	138.91701
Dictyopteris_divaricata	Yamagata, Atsumi	Japan	38.635474	139.556365
Padina_japonica	Yamagata, Tobishima Island	Japan	39.186109	139.534048
Dictyota_coriacea	Yamagata, Tobishima Island	Japan	39.186109	139.534048
Distromium_decumbens1	Yamagata, Tobishima Island	Japan	39.186109	139.534048
Padina_japonica	Yamagata, Tobishima Island	Japan	39.186109	139.534048
Padina_crassa.b	Yamagata, Tobishima Island	Japan	39.186109	139.534048
Zonaria_diesingiana	Yamagata, Tobishima Island	Japan	39.186109	139.534048
Spatoglossum_pacificum	Yamagata, Yura	Japan	33.963175	135.077751
Dictyota_dichotoma1	Plymouth: Wembury	United Kingdom	50.3145	-4.08392
Dictyota_dichotoma1	Bretagne: Brest: Anse du Caro	France	48.33095	-4.5143
Dictyota_dichotoma1	Bretagne: Lannion: Saint-Michel-en-Grève	France	48.7213	-3.5949
Dictyota_dichotoma1	Bretagne: Lannion: Saint-Michel-en-Grève	France	48.7213	-3.5949
Dictyota_dichotoma1	East Sussex: Lewes: Telscombe	United Kingdom	50.7945	-0.0267838
Dictyota_dichotoma1	Bretagne: Locmariaquer	France	47.5695	-2.93672
Dictyota_sp15	Juan de Nova	France	-17.05371	42.71078
Dictyota_sp26	Juan de Nova	France	-17.05371	42.71078
Dictyota_hamifera	Juan de Nova	France	-17.05371	42.71078
Dictyota_ceylanica6	Juan de Nova	France	-17.05371	42.71078
Dictyota_friabilis1.e	Juan de Nova	France	-17.05371	42.71078
Dictyota_ceylanica6	Juan de Nova	France	-17.05371	42.71078
Dictyota_hamifera	Juan de Nova	France	-17.05371	42.71078
Dictyota_ceylanica3	Juan de Nova	France	-17.05371	42.71078
Padina_boryana	Kelantan: Semerak River	Malaysia	5.8968	102.4852
Padina_boryana	Kelantan: Semerak River	Malaysia	5.8968	102.4852
Dictyotopsis_propagulifera	Kuching: Matang: Eco-Matang	Malaysia	1.72631	110.252179
Dictyota_adnata	New Ireland: Put Put Village	Papua New Guinea	-3.121149	152.645026
Dictyopteris_sp2	Cabo Verde: Sao Tiago: Tarrafal: King Fisher	Portugal	15.27509	-23.75781
Dictyopteris_polypodioides	Languedoc-Roussillon: Côte Vermeille: Banyuls-sur-mer	France	42.481936	3.137055

Dictyota_fasciola	Nice: Cap Ferrat: Anse des Fosses	France	43.68656	7.33699
Dictyota_spiralis	Nice: Cap Ferrat: Anse des Fosses	France	43.68656	7.33699
Dictyopteris_sp2	Tab Island	Papua New Guinea	-5.166833	145.840836
Dictyopteris_muelleri	New South Wales: Minnie Waters	Australia	-29.77608	153.3021
Homoeostrichus_sinclairii	Victoria: Walkerville	Australia	-38.86	146
Spatoglossum_sp	Victoria: Walkerville	Australia	-38.86	146
Homoeostrichus_sp3	Western Australia: Rottnest Island: Groper Canyon	Australia	-31.98157	115.52211
Dictyota_humifusa	Trang area: Ko Vaen	Thailand	7.379218	99.246441
Padina_okinawaensis.c	Trang area: Ko Vaen	Thailand	7.379218	99.246441
Padina_boryana	Trang area: Ko Vaen	Thailand	7.379218	99.246441
Padina_boryana	Trang area: Ko Vaen	Thailand	7.410752	99.336805
Padina_tetrastromatica	Trang area: Ko Vaen	Thailand	7.410752	99.336805
Padina_usohtunii	Trang area: Ko Vaen	Thailand	7.410752	99.336805
Padina_boryana	Trang area: Ko Kra-dan	Thailand	7.381239	99.304016
Dictyota_humifusa	Satun area: Ko Ta Kiang	Thailand	6.731071	99.704514
Padina_australis	Satun area: Ko Lidee	Thailand	6.782822	99.767443
Padina_australis	Satun area: Ko Lidee	Thailand	6.782822	99.767443
Padina_tetrastromatica	Satun area: Ko Khao Yai	Thailand	6.839322	99.683352
Padina_boryana	Satun area: Ko Khao Yai	Thailand	6.839322	99.683352
Dictyota_humifusa	Satun area: Klong Ti Ngee	Thailand	6.812122	99.814576
Dictyota_implexa	Canary Islands: La Graciosa: Caleta del Sebo	Spain	29.225329	-13.504717
Dictyota_dichotoma1	Canary Islands: Tenerife: La Guancha: Charco del Viento	Spain	28.401381	-16.673028
Dictyota_dichotoma1	Canary Islands: Tenerife: La Guancha: Charco del Viento	Spain	28.401381	-16.673028
Dictyota_spiralis	Canary Islands: Tenerife: La Guancha: Charco del Viento	Spain	28.401381	-16.673028
Dictyota_implexa	Canary Islands: Tenerife: La Guancha: Charco del Viento	Spain	28.401381	-16.673028
Dictyota_spiralis	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_ciliolata	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_ciliolata	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_ciliolata	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
Dictyota_ciliolata	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483
Dictyota_implexa	Canary Islands: Tenerife: Buenavista: Playa de Las Arenas	Spain	28.371358	-16.871483

<i>Dictyota_cymatophila</i>	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
<i>Dictyota_implexa</i>	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
<i>Dictyota_pleiacantha1</i>	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
<i>Dictyota_ciliolata</i>	Canary Islands: Tenerife: Punta del Hidalgo	Spain	28.5798	-16.3251
<i>Canistrocarpus_cervicornis</i>	Canary Islands: Gran Canaria: Las Canteras	Spain	28.15	-15.433333
<i>Dictyota_implexa</i>	Canary Islands: Gran Canaria: Las Canteras	Spain	28.15	-15.433333
<i>Dictyota_pfaffii</i>	Canary Islands: Gran Canaria: Las Canteras	Spain	28.15	-15.433333
<i>Dictyota_spiralis</i>	Canary Islands: Gran Canaria: Playa del Burrero	Spain	27.909509	-15.382793
<i>Dictyota_spiralis</i>	Canary Islands: Gran Canaria: Faro de Maspalomas	Spain	27.734483	-15.59948
<i>Dictyota_fasciola</i>	Canary Islands: Gran Canaria: Faro de Maspalomas	Spain	27.734483	-15.59948
<i>Dictyopteris_sp5</i>	Yandé	New Caledonia	-20.0413	163.842
<i>Dictyota_sp52</i>	Nord recif Cook	New Caledonia	-19.0467	163.6501
<i>Dictyota_humifusa</i>	Nord recif Cook	New Caledonia	-18.8778	163.4391
<i>Dictyota_sp26</i>	Nord recif Cook	New Caledonia	-18.8778	163.4391
<i>Dictyota_sp53</i>	Nord recif Cook	New Caledonia	-18.8778	163.4391
<i>Dictyota_sp47</i>	Nord recif Cook	New Caledonia	-18.8778	163.4391
<i>Dictyota_ceylanica5</i>	Belep	New Caledonia	-19.6333	163.667
<i>Dictyota_sp17</i>	Belep	New Caledonia	-19.6333	163.667
<i>Dictyota_ceylanica5</i>	Belep	New Caledonia	-19.6333	163.667
<i>Dictyota_pfaffii</i>	Recif de Cook	New Caledonia	-19.6595	163.9728
<i>Dictyota_sp50</i>	Recif de Cook	New Caledonia	-19.6595	163.9728
<i>Dictyota_canaliculata4</i>	Recif de Cook	New Caledonia	-19.7986	164.063
<i>Dictyota_grossedentata</i>	Baa Atoll	Maldives	5.1471	73.0398
<i>Dictyota_friabilis1.e</i>	Baa Atoll	Maldives	5.1494	73.0351
<i>Canistrocarpus_cervicornis</i>		New Caledonia	-22.5167	166.617
<i>Dictyota_ceylanica3</i>		New Caledonia	-22.35	166.317
<i>Dictyota_bartayresiana</i>		New Caledonia	-22.35	166.317
<i>Dictyota_ceylanica5</i>		New Caledonia	-22.35	166.317
<i>Dictyota_sp49</i>		New Caledonia	-22.35	166.317
<i>Canistrocarpus_cervicornis</i>		New Caledonia	-22.5167	166.617
<i>Dictyota_bartayresiana</i>		New Caledonia	-22.5167	166.617

Dictyota_ceylanica5		New Caledonia	-22.35	166.317
Dictyota_ceylanica5		New Caledonia	-22.6629	167.4452
Dictyota_acutiloba1		New Caledonia	-22.5167	166.617
Dictyota_canaliculata2.c		New Caledonia	-19.7051	163.6335
Dictyota_canaliculata2.c		New Caledonia	-19.7051	163.6335
Dictyota_stolonifera		New Caledonia	-20.0693	163.799
Dictyota_hamifera		New Caledonia	-20.0693	163.799
Dictyota_friabilis1.a		New Caledonia	-20.0683	163.8005
Dictyota_sp49		New Caledonia	-19.6747	163.611
Dictyota_bartayresiana		New Caledonia	-19.7051	163.6335
Dictyota_canaliculata2		New Caledonia	-19.5364	163.573
Dictyota_sp17		New Caledonia	-19.7051	163.6335
Dictyota_sp31		New Caledonia	-19.6006	163.316
Canistrocarpus_cervicornis		New Caledonia	-20.0683	163.8005
Dictyota_friabilis1.a		New Caledonia	-20.0683	163.8005
Canistrocarpus_cervicornis		New Caledonia	-19.6747	163.611
Dictyota_bartayresiana		New Caledonia	-22.2846	167.116
Dictyota_sp12		New Caledonia	-20.5595	164.185
Dictyota_grossedentata		New Caledonia	-20.6497	165.128
Dictyota_sp48		New Caledonia	-19.2838	158.308
Dictyota_canaliculata2.c		New Caledonia	-22.5333	167.392
Dictyota_stolonifera		New Caledonia	-22.0343	168.6257
Dictyota_hamifera		New Caledonia	-20.7057	167.159
Dictyota_canaliculata2.c		New Caledonia	-21.6719	166.396
Dictyota_liturata		New Caledonia	-22.8612	167.669
Dictyota_stolonifera		New Caledonia	-20.8319	167.28
Dictyota_liturata		New Caledonia	-19.4411	158.877
Dictyota_friabilis1.b	Baa atoll	Maldives	5.1359	72.9137
Dictyota_ceylanica6	Baa atoll	Maldives	5.1703	73.1562
Dictyota_ceylanica6	Baa atoll	Maldives	5.1703	73.1562
Dictyota_ceylanica1	Baa atoll	Maldives	5.1768	73.1462

Dictyota_sp51	Baa atoll	Maldives	5.1471	73.0398
Dictyota_grossedentata	Baa atoll	Maldives	5.1744	73.1085
Dictyopteris_repens	Baa atoll	Maldives	5.3461	73.0817
Dictyota_friabilis1.b	Baa atoll	Maldives	5.3477	73.0702
Dictyota_friabilis1	Baa atoll	Maldives	5.225	73.1609
Dictyota_friabilis1.e	Baa atoll	Maldives	5.0349	72.8818
Dictyota_sp12	Baa atoll	Maldives	5.0405	72.8455
Dictyota_sp12	Baa atoll	Maldives	5.2632	73.1749
Dictyota_ceylanica6	Baa atoll	Maldives	5.2632	73.1749
Dictyota_ceylanica6	Baa atoll	Maldives	5.2632	73.1749
Dictyota_friabilis1.e	Baa atoll	Maldives	5.1793	72.9938
Dictyota_friabilis1.e	Baa atoll	Maldives	5.1735	72.949
Dictyota_stolonifera		New Caledonia	-22.3738	166.986
Padina_minor		New Caledonia	-22.35	166.317
Dictyota_acutiloba1		Kuwait		
Dictyota_naevosa	De Hoop: Koppie Alleen	South Africa	-34.475869	20.5206
Zonaria_spnov	De Hoop: Koppie Alleen	South Africa	-34.475869	20.5206
Zonaria_spnov	De Hoop: Koppie Alleen	South Africa	-34.475869	20.5206
Zonaria_subarticulata	De Hoop: Koppie Alleen	South Africa	-34.475869	20.5206
Dictyopteris_ligulata	De Hoop: W of Koppie Alleen	South Africa	-34.4724	20.5281
Dictyota_naevosa	De Hoop: W of Koppie Alleen	South Africa	-34.4724	20.5281
Exallosorus_harveyanus	Cape Peninsula: Bordjiesrif	South Africa	-34.321	18.4619
Styopodium_multipartitum	De Hoop: Koppie Alleen	South Africa	-34.475869	20.5206
Canistrocarpus_cervicornis		Brasil		
Canistrocarpus_cervicornis		Brasil		
Canistrocarpus_cervicornis		Brasil		
Canistrocarpus_cervicornis		Brasil		
Canistrocarpus_cervicornis		Brasil		
Canistrocarpus_cervicornis		Juan de Novo		