

Additional file 2. Synthesis of information of the 148 paper retained after the 3-step process (excluding the 12 reviews). Geographical coordinates are not reported for the 26 finally excluded papers.

Reference	Study location	Latitude	Longitude	Study type	Study approach	Non-native species	Design	Mean	SE/SD/C	Design - replication	Design - confounding	Execution - sample	Execution - treatment	Execution - randomisation	Confounding variables
Finally retained papers															
Andrew & Nelson 1982 - <i>Botanica Marina</i> 25: 205-207	Santa Catalina Island, California, USA	33° 27' N	118° 29' W	field	experimental	<i>Sargassum muticum</i>	invasive vs invader removal	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Bafala et al. 2004 - <i>Marine Ecology</i> 25: 1-13	Tuscany, Italy	43°28'24" N	10°19'42" E	field	observational	<i>Caulerpa racemosa</i> & <i>taeblae</i>	C: 3 conditions: C. racemosa invaded, C. taebloa invaded/area, without caulerpa	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Baldacconi & Carraro 2009 - <i>Marine Ecology and Evolutionary Perspectives</i> 30: 137-145	Torre Ossi (Laragne), Italy	47°10'36" N	17°40'21" E	field	observational	<i>Caulerpa racemosa</i>	BA	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Balzano et al. 2007 - <i>Botanica Marina</i> 50: 6-13	Bahariu Island, Spain	39° 43'5" N	2° 24' 5" E	field	observational	<i>Lophosiphonia liformis</i>	invasive - control rhizomes	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Bartoli & Boudouresque 1992 - <i>Marine Ecology-Progress Series</i> 154: 253-260	Between Niza and Cap Martin, France	49°42' N (Niza), 49°45'40" N (Cap Martin)	7°15' E (Niza), 7°27'47" E (Cap Martin)	field	observational	<i>Caulerpa taebloa</i>	C1	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Boudouresque et al. 1996 - <i>Aquatic Botany</i> 53: 245-250	laboratory	49°45'40" N	7°27'47" E	lab	experimental	<i>Caulerpa taebloa</i>	Aquaria with and without the non-native seaweed	yes	no	replicated	low probability	probably independent	yes	random	Not present
Bae et al. 2008 - <i>Comparative Biochemistry and Physiology C</i> 149: 456-460	Malorca, Spain	39°34'48.00" N	2°05'43.00" E	field	observational	<i>Lophosiphonia liformis</i>	individuals colonized by the invader vs individuals not colonized by the invader	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Bae et al. 2009 - <i>Journal of Experimental Marine Biology and Ecology</i> 380: 11-21	Malorca, Spain	31°39'29.55" N; 2°39'27.12" E; 30°54'42" N; 31°42'34" E; 2°2'52'26" E; 3°1'24'40" E; 4°10'18'35" E	31°42'34" E; 2°2'52'26" E; 3°1'24'40" E; 4°10'18'35" E	field	observational	<i>Caulerpa racemosa</i>	C1	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Britton-Simmons 2004 - <i>Marine Ecology Progress Series</i> 277: 65-78	Collin's Cove and Point George, WA, USA	48°13.16'N, 48°10.97'N	122°58.79'W, 123°00.33'W	field	experimental	<i>Sargassum muticum</i>	removal experiment: removal of <i>Sargassum</i> vs control treatment; transplant experiment of <i>Sargassum</i> plots with/without <i>Sargassum</i>	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Britton-Simmons et al. 2011 - <i>Hydrobiologia</i> 661: 187-196	1)Collin's Cove, 2)Pt. George, 3)Snag Pt., 4)Hick's Bay, 5)Pt. Caution, WA,USA - laboratory	48.37°N	122.7°W	field/lab	observational	<i>Sargassum muticum</i>	abundance of resident species on non-native vs. resident seaweed at each of 5 sites	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Bulleri et al. 2006 - <i>Marine Biology</i> 148: 1213-1219	Casertano, Italy	44°11'N	12°40'E	field	obs/rep	<i>Codium fragile</i>	C) (4 blocks + Codium and 4 - Codium in each of the 3 treatments) (sites)	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Bulleri et al. 2010 - <i>Ecology</i> 91: 2205-2212	Argentario & Calabria (Tuscany), Italy	41°47'29" N; 2° 49'30" E	11°07'19" E; 11°07'20" E	field	experimental	<i>Caulerpa racemosa</i>	1) Caulerpa, natural sediment; 2) Caulerpa + sediment; 3) Caulerpa, natural sediment; 4) Caulerpa + sediment / 5) Caulerpa; 2) total removal of seaweeds; 3) control	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Buschbaum et al. 2008 - <i>Marine Biology</i> 148: 743-754	North Sea (Dyck; Helgoland), Germany	54° 55'N, 5°1'14"E	008° 20', 007° 53'E	field	observational	<i>Sargassum muticum</i>	invader vs native plant	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Byers et al. 2010 - <i>Ecology</i> 91: 1787-1796	Spring Bay, Australia	35°54'4" S	150°29'48" E	field	experimental	<i>Caulerpa taebloa</i>	invader vs uninvaded	yes	yes	replicated	low probability	probably independent	yes	random/other	Not present
Casadevall et al. 2010 - <i>Estuarine Coastal and Shelf Science</i> 89: 43-52	Monca Lurobio (Galicia), Spain	42°47'26" N	8°49'4" W	field	experimental	<i>Sargassum muticum</i>	artificial units and natural individuals of non-native <i>S. muticum</i> and <i>L. ochroleuca</i>	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Carroll et al. 2010 - <i>Marine Biology</i> 157:149-159	San Hampton, NY, USA	41° 03.106' N	73° 16.8137' W	field	replicates	<i>Codium fragile</i>	non-native vs. resident	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Cava et al. 2004 - <i>Biological Invasions</i> 6: 413-416	Cunus Point (Patagonia), Argentina	42°46.8' S	64°50.46' W	field	experimental	<i>Ulvaera pinnatifida</i>	control vs non-native removal plots	yes	no	replicated	low probability	probably independent	yes	random	Not present
Cecchetti & Campo 2002 <i>Botanica Marina</i> 45: 71-76	Argentario (Tuscany), Italy	43° 28' 34" N	10° 19' 42" E	field	experimental	<i>Caulerpa racemosa</i>	2 invaded areas vs 2 removal areas	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Cecchetti & Sacchi 2002 - <i>Hydrobiologia</i> 474: 57-66	Gabianara Is. (Elio Island), Italy	42° 48' 03" 48" N	10° 14' 10.73" E	field	experimental	<i>Caulerpa racemosa</i>	removal vs control plots	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Chevance & Harris 2004 - <i>Wetland</i> 47: 85-90	Cape Heddyk & Star Island (Maine), USA - laboratory	43°10'N, 42°58'N	70°30'W, 70°38'W	field/lab	obs/rep	<i>Codium fragile</i>	C) (the 2 sites had different algal species, with Cape Heddyk dominated by <i>Laminaria</i> and Star Island dominated by <i>Codium</i>). Reciprocal transplant experiment: <i>Laminaria</i> plants collected at Cape Heddyk and transplanted to Star Island, while <i>Codium</i> collected at Star Island and transplanted to Cape Heddyk + 5 control algae of <i>Codium</i> collected at Star Island and 5 <i>Laminaria</i> collected at Cape Heddyk (unifurcated control); 1 treatments: 1) control (without food); 2) fed with <i>Laminaria</i> ; 3) fed with <i>Codium</i>	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Chirkov et al. 2003 - <i>Limnology and Oceanography</i> 48: 787-794	laboratory	43.748825	7.488325	lab	experimental	<i>Caulerpa taebloa</i>	uncolonized sediment vs sediment with <i>Caulerpa</i>	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Curtis et al. 2002 - <i>Hydrobiologia</i> 477: 209-219	Venice lagoon, Italy	45°41'N	12°40'E	field	experimental	<i>Ulvaera pinnatifida</i>	3 treatments: 1) mechanical eradication of <i>Ulvaera</i> during the fertile period (MARCH); 2) mechanical eradication after the reproductive season (JUNE); 3) CONTROL, station (no manipulation)	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Desidoro et al. 2010 - <i>Biological Invasions</i> 12: 41-52	Malorca Island, Spain	39° 34' N	2° 20' E	field	observational	<i>Lophosiphonia liformis</i>	C: invaded vs non-invaded	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Desidoro et al. 2011 - <i>Estuarine Coastal and Shelf Science</i> 93: 106-116	Portals veils, Spain	39° 28.321' N	3°11.320' E	field	observational	<i>Caulerpa racemosa</i>	C: invaded vs non-invaded	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Devilale & Veronique 1995 - <i>Botanica Marina</i> 38: 79-87	Cap Martin (Menton), France	43.748825	7.488325	field	observational	<i>Caulerpa racemosa</i>	C: 2 uninvaded and 1 control site	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Drouin et al. 2011 - <i>Marine Ecology-Progress Series</i> 424: 105-114	Great Entry Lagoon, Canada	47°37'N	68°32'W	field	replicates	<i>Codium fragile</i>	C1	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Drouin et al. 2012 - <i>Oecologia</i> 168:493-502	Îles de la Madeleine, Canada	47°37'N	67°13'W	field	replicates	<i>Codium fragile</i>	C: 5 invaded vs 5 non-invaded sites	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Dunay et al. 2002 - <i>Journal of the Marine Biological Association of the United Kingdom</i> 82: 379-387	Cap Martin, France & Argentario, Italy	47°45'N, 47°30'N	7°07', 10°20'E	field	observational	<i>Caulerpa racemosa</i> & <i>taebloa</i>	3 conditions in each of the 2 sites (Cap Martin with <i>taebloa</i> and Argentario with <i>racemosa</i>): 1) absence of competition (only <i>Pseudoniza</i>); 2) intermediate competition (simple contact); 3) high competition (algal stations interwoven within the rhizomes and mats)	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Dunay et al. 2004 - <i>Phycologia</i> 65: 3211-3220	Cap Martin, France & Argentario, Italy	49°45'N, 47°30'N	7°07', 10°20'E	field	observational	<i>Caulerpa racemosa</i> & <i>taebloa</i>	4 conditions in each of the 2 sites (Cap Martin with <i>taebloa</i> and Argentario with <i>racemosa</i>): 1) absence of competition (only <i>Pseudoniza</i>); 2) intermediate competition (simple contact); 3) high competition (algal stations interwoven within the rhizomes and mats)	yes	no	replicated	low probability	probably independent	no treatment	random	Not present
Eyre et al. 2011 - <i>Limnology and Oceanography</i> 56: 1737-1750	laboratory	27.84	153.40	lab	observational	<i>Caulerpa taebloa</i>	C: 3 invaded vs 3 non-invaded	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Ferrer et al. 1997 - <i>Marine Ecology-Progress Series</i> 149: 279-287	laboratory	49°45'40" N	7°27'47" E	lab	observational	<i>Caulerpa taebloa</i>	aquaria with and without the non-native seaweed (green plant or extracts)	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Francoeur et al. 1999 - <i>Hydrobiologia</i> 390: 345-353	Cap Martin, France	49°45'40" N	7°27'47" E	field	observational	<i>Caulerpa taebloa</i>	C1	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Francoeur et al. 2009 - <i>Vie et Milieu</i> 59: 31-38	Aras des Fosses, France	49°45'17" N	7°20' E	field	observational	<i>Caulerpa taebloa</i>	C1	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Galazzi et al. 2012 - <i>Marine Ecology-Progress Series</i> 449: 95-108	Lake Coropla, 2)Port Mackay, 3)Pittwater, Australia	33-35.25 23-34.05 33-33.58	153.00.42 153.13 153.51.27	field	observational	<i>Caulerpa taebloa</i>	C: 3 invaded vs 3 non-invaded bare silt, 3 non-enclosed enclosures	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Genoveso & Piazzi 2011 - <i>Marine Ecology-Progress Series</i> 427: 55-70	Livorno (Tuscany), Italy	43° 28' 34" N	10° 19' 42" E	field	experimental	<i>Caulerpa racemosa</i>	control vs non-native transplants) crossed with <i>Coronula</i> (control) (without addition)	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Genoveso et al. 2010 - <i>Marine and Freshwater Research</i> 63: 724-731	Ria de Aldan and Ria de Vigo (Galicia), Spain	42°20'N; 42°10'N	8°15'W both	field	observational	<i>Sargassum muticum</i>	abundance of resident species on non-native vs. resident seaweed at each of 2 sites within each location	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Gillies & Wright 2006 - <i>Marine and Freshwater Research</i> 57: 685-694	Lake Coropla, Australia	35°15' S	150°30' E	field and lab	observational	<i>Caulerpa taebloa</i>	abundance of resident species on non-native vs. resident seaweed at each of 2 sites; replicated aquaria with 3 non-native and 4 resident seaweeds to those for budding tests	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Gribben & Wright 2006 - <i>Marine Ecology-Progress Series</i> 318: 177-185	Lake Coropla, Australia	35°15' S	150°29' E	field	observational	<i>Caulerpa taebloa</i>	C1	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Gribben & Wright 2006 - <i>Oecologia</i> 149: 363-364	Spring Bay & Lake Coropla, Australia	35°15' S	150°27' E	field	observational	<i>Caulerpa taebloa</i>	muscle collected from intermingled invaded and bare habitat plots	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Gribben et al. 2009 - <i>Aquatic Botany</i> 7: 217-227	laboratory	35.25	150.43	lab	experimental	<i>Caulerpa taebloa</i>	either 8 replicate aquaria for each habitat levels if no-choice experiment or 5 different habitats in 8 replicate aquaria if choice experiment; in addition pairwise comparisons are made i.e. 2 habitats are offered in 8 replicate aquaria	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Gribben et al. 2009 - <i>Oecologia</i> 158: 733-745	Lake Coropla, Australia	35.25	150.43	field	observational	<i>Caulerpa taebloa</i>	either 8 replicate aquaria for each habitat levels if no-choice experiment or 5 different habitats in 8 replicate aquaria if choice experiment; in addition pairwise comparisons are made i.e. 2 habitats are offered in 8 replicate aquaria	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Hermelin-Vivien et al. 1996 - 2nd Int. Workshop <i>Caulerpa taebloa</i>	France	49°45'40" N	7°27'47" E	field	observational	<i>Caulerpa taebloa</i>	C1	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Harris et al. 2007 - <i>Journal of the Marine Biological Association UK</i> 87: 1057-1066	Lion Rock and Ballochmains Bay, Scotland	57°46.2807N; 5°46.0587W	4°54.0317W; 4°53.0797W	field	observational	<i>Sargassum muticum</i>	C1	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Hedrick et al. 2011 - <i>Estuarine Coastal and Shelf Science</i> 92: 35-46	laboratory	51°49'N	4°00'E	lab	experimental	<i>Caulerpa racemosa</i> & <i>taebloa</i>	Native with non-native species or with resident <i>Ulvaera</i>	yes	no	replicated	low probability	probably independent	yes	random	Not present
Hoffler et al. 2011 - <i>Estuarine Coastal and Shelf Science</i> 92: 35-46	laboratory	55.50	9.67	lab	experimental	<i>Groenlandia vermiculophylla</i>	C: randomized block design; 3 temperature levels; 3 resource-algal species density levels; 3 replicates for each combination of treatments	yes	no	replicated	low probability	probably independent	yes	random	Not present
Höfner et al. 2009 - <i>Estuaries and Coasts</i> 32: 456-466	Bahariu Island, Spain	39°22'03" N	2°13.738" E	field	observational	<i>Caulerpa racemosa</i> & <i>taebloa</i>	C: 1 site with C. racemosa or 1 site with <i>C. taebloa</i> vs 1 site without invasive species	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present

Hose et al. 2008 - Marine Biology Research 4: 414-428	Flom Staff, Solund, Norway	61.10	4.80	field	observational	<i>Nereisohelice japonica</i>	C1	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Hopfinger 2008 - Estuarine Coastal and Shelf Science 77: 484-490	Eveland	64.00	-22.07	field	observational	<i>Fucus verticillatus</i>	372 samples treated, 227 samples not treated	yes	no	replicated	low probability	probably independent	no treatment	random	Not present
Hoppen et al. 2011 - Biological Invasions 13: 1521-1532	Punta Cones, Nuevo Gulf (Patagonia), Argentina	42°55' S	42°30' W	field	observational	<i>Ulmaria pinnatifida</i>	C1 (15 frames) for each combination of the 2 treatments: Ulmaria-removed vs Ulmaria-intact	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Hoppen et al. 2011 - Biological Invasions 13: 17-24	Nuevo Gulf (Patagonia), Argentina	65° S	42°40' W	field	experimental	<i>Ulmaria pinnatifida</i>	5 replicate strips (2.25m ²) for each of the two treatments: Ulmaria-removed vs Ulmaria-intact	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Jarvik & Whitlatch 2012 - Journal of Experimental Marine Biology and Ecology 413: 38-44	Milstone power station, CT, USA	41.30	-72.15	field	observational	<i>Gelidium fuscum</i>	C1	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Jones & Thorne 2010 - Marine Ecology-Progress Series 400: 87-100	Brenton Point State Park, Rhode Island, USA	41°27'N	71°21'W	field	observational	<i>Codium fragile</i>	C1	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Jolly et al. 2011 - Marine Ecology Progress Series 437: 69-78	Little Duck Island, Nova Scotia, Canada	44°22'N	64°11'W	field	observational	<i>Codium fragile</i>	BA	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Jong & Verlaque 2011 - Journal of the Marine Biological Association of the United Kingdom 91: 117-125	Marielieu, France	47°14' N	47°14' E	field	experimental	<i>Caulerpa racemosa</i>	3 (Invasive), 2 (removed), 1 (control)	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Lang & Buchbaum 2010 - Journal of Sea Research 63: 110-124	Island of Sylt, Germany	54°57'N	8°20'E	field	experimental	<i>Sargassum muticum</i>	4 densities of Sargassum: 1) no Sargassum; 2) 7 individuals/m ² ; 3) 15 individuals/m ² ; 4) 45 individuals/m ²	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Larsson et al. 2012 - Marine Ecology-Progress Series 448: 259-270	Laboratory	47°25'N	76°46'W	lab	experimental	<i>Gelidium verticillatum</i>	cores without Ulmaria vs cores with different densities of the invader	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Lavi & Francour 2004 - Journal of Phycology 40: 55-64	Alpes Maritimes, France	43°50' N	7°50' E	field	observational	<i>Codium fragile</i>	C1	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Levin et al. 2002 - Ecology 83: 3182-3192	Isle of Shoals, New Hampshire, USA	42°59'N	70°37'W	field	experimental	<i>Codium fragile</i>	randomized block design with 2 cement slabs in each of the plots in each of the 16 sites plus 2 additional treatments: 1) Codium removed or 2) Control (no algae removed); randomized block design with 2 bag plants in each of the 8 plots in each of the 16 sites; 4 treatments: 1) Codium and Membranopora; 2) Codium and Membranopora; 3) Codium and Membranopora; 4) Codium and Membranopora	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Lee et al. 2010 - Marine Biology 157: 2095-2101	1) Bull; 2) Towagal; 3) Gerringong, Australia	31°34'20.1649° S, 151°24'21.957° E, 31°34'20.1649° S, 151°25'14.777° E, 31°34'20.1649° S, 151°24'55.517° E		field	observational	<i>Codium fragile</i>	9 native and 8 invasive <i>Codium</i> plants collected in each of the 16 sites within each of the 3 locations	no	no	replicated	low probability	probably independent	no treatment	random	Not present
Lynn & Schieling 2007 - Marine Biology 152: 285-295	Laboratory	44°1'N	64°03'W	lab	experimental	<i>Codium fragile</i>	18 aquaria assigned to 3 diet treatments: 1) high-nutrient <i>Laminaria longicarpa</i> ; 2) <i>Codium fragile</i> ; 3) low-nutrient <i>L. longicarpa</i> + control (plants of each species placed in urchin-free aquaria)	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Lynn & Schieling 2007 - Journal of Experimental Marine Biology and Ecology 340: 194-204	Laboratory	44°29'N	63°20'W	lab	experimental	<i>Codium fragile</i>	urchins fed with <i>Codium</i> vs urchins fed without	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Martinez-Louche & Palmer 2010 - Marine Environmental Research 60: 345-349	Laboratory	10°50'N 2°05'36"E 10°52'8"N	10°40' E, 10°36' E, 9°45' E	lab	experimental	<i>Gelidium verticillatum</i>	monoculture with or without <i>Gelidium</i>	yes	yes	replicated	low probability	probably independent	yes	random	Not present
McIntosh et al. 2009 - Marine Ecology Progress Series 380: 99-71	St. Georges Basin and Burrill Lake, Australia	35°11' S, 15°24' E	150°38' E, 150°27' E	field	observational	<i>Caulerpa fragilis</i>	2) Area 1: A) <i>C. fragilis</i> ; B) urchins; C) <i>Halimeda</i> ; A) 2) <i>C. fragilis</i> ; B) <i>Halimeda</i>	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Mineman et al. 2009 - Scientia Marina 73: 329-335	Cap Martin and Cap d'Antibes, France	43°45' N, 47°33' N	7°50' E, 7°7' E	field	observational	<i>Caulerpa fragilis</i>	C1	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Nordin & Odgaard 2010 - Aquatic Botany 9: 139-148	Norden, Sweden	58°14'52" N	15°26'3" E	field	experimental	<i>Sargassum muticum</i>	4 different patch sizes (20m ² , 0.20m ² , 20m ² , 20m ²) of each vegetation type (<i>Fucus vesiculosus</i> , <i>Sargassum muticum</i> , <i>Zostera marina</i> , <i>Halimeda algae</i>) and control without macrophytes and sand patches	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Osborne et al. 2009 - Marine Environmental Research 67: 155-158	Monde Lourdo (Galicia), Spain	42°7'26" N	8°49'14" W	field	experimental	<i>Sargassum muticum</i>	2 treatments (control vs removal of <i>Sargassum</i>) in each of the 2 sites	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Osborne et al. 2010 - Journal of Experimental Marine Biology and Ecology 396: 18-26	Broun & Eira (Galicia), Spain	42°17'N, 42°15'N	8°41'W	field	experimental	<i>Sargassum muticum</i>	4 treatments (each with a different addition of <i>Sargassum</i> and other algae) + procedural controls (treatment physically disturbed but density not added) + natural control plots in each of the 2 sites	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Pacard et al. 2011 - Biological Invasions 13: 2677-2690	Capeau and Ebe islands (Corsica), Italy	43°04' N, 42°49' N	10°50' E, 10°14' E	field	observational	<i>Caulerpa racemosa</i>	C1 / 3 (invasive), 2 (removed), 1 (control)	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Pedersen & Johnson 2008 - New Journal of Marine Science 65: 1-11	Four Mile Point and Lons Bay, Tasmania	42°36' S, 42°35' S	148°10' E, 148°7' E	field	observational	<i>Ulmaria pinnatifida</i>	C1	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Pizza & Balata 2008 - Marine Environmental Research 65: 50-61	Tuscany, Italy	43°30' N	10°20' E	field	observational	<i>Caulerpa racemosa</i>	C1: 2 habitats at 2 different depths (10 and 25m); 4 locations for each habitat (2 invaded and 2 non-invaded); 2 sites for each location	no	no	replicated	low probability	probably independent	no treatment	random	Not present
Pizza & Balata 2007 - Biological Invasions 11: 203-204	Livorno (Tuscany), Italy	43°30' N	10°20' E	field	observational	<i>Caulerpa racemosa</i>	C1	yes	no	replicated	low probability	probably independent	no treatment	random	Not present
Pizza & Cacchiani 2006 - Estuarine Coastal and Shelf Science 68: 455-461	Livorno (Tuscany), Italy	43°30' N	10°20' E	field	experimental	<i>Caulerpa racemosa</i>	3 (invasive), 2 (removed), 1 (control)	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Pizza & Cerriti 2003 - European Journal of Phycology 38: 221-231	Livorno (Tuscany), Italy	43°30' N	10°21' E	field	observational	<i>Caulerpa fragilis</i>	1) Habitat: 2 (invasive), 2) <i>Posidonia</i> 3) native; invader: 1) control; 2) <i>Caulerpa racemosa</i> ; 3) control and turf; 4) control and turf; 5) <i>C. racemosa</i>	yes	no	replicated	low probability	probably independent	no treatment	random	Not present
Pizza et al. 2003 - Marine Ecology Progress Series 210: 149-159	Livorno (Tuscany), Italy	43°30' N	10°20' E	field	observational	<i>Caulerpa racemosa</i>	Baywide BAC	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Pizza et al. 2003 - Cryptogamiae Algae 24: 213-243	Tuscany, Italy	43°28'24" N	10°19'42" E	field	observational	<i>Caulerpa racemosa</i> & <i>fragilis</i>	C1: 2 replicate plots in each of the 2 sites for each of the 4 habitats (C. <i>racemosa</i> patches, C. <i>racemosa</i> patches, mixed patches and reference patches)	yes	no	replicated	low probability	probably independent	no treatment	random	Not present
Pizza et al. 2005 - Estuarine Coastal and Shelf Science 64: 467-474	Livorno (Tuscany), Italy	43°28'24" N	10°19'42" E	field	experimental	<i>Caulerpa racemosa</i>	3 control; 2 <i>Caulerpa racemosa</i> transplant (2 sites + treatment; 2 sites + treatment)	yes	yes	replicated	low probability	probably independent	yes	random	Not present
Pizza et al. 2007 - Cryptogamiae Algae 28: 289-301	Tuscany, Italy	43°28'24" N	10°19'42" E	field	observational	<i>Caulerpa racemosa</i>	C1: 3 replicate plots in each of the 2 sites (2x10m ²) for each of the 4 habitats (C. <i>racemosa</i> , <i>Woronowia setacea</i> , reference patches)	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Pizza et al. 2007 - Scientia Marina 71: 129-135	Tuscany, Italy	43°20' N	10°20' E	field	observational	<i>Caulerpa racemosa</i>	C1: invaded vs non-invaded areas with 2 sites each	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Polun & Buchbaum 2008 - Aquatic Botany 9: 11-18	Wadden Sea, Germany/Denmark	55°02'N	8°25'E	field	observational	<i>Sargassum muticum</i>	<i>Sargassum</i> bed control; transplanted to unvegetated bed; transplanted to <i>Sargassum</i> bed	yes	yes	replicated	low probability	probably independent	no treatment	random	Not present
Polun & Thibaut 2008 - Scientia Marina 72: 645-654	Rotary Bay (NZ), Australia	44°15' S	151°11' E	field	observational	<i>Caulerpa fragilis</i>	C1: <i>Zostera capricorni</i> vs <i>C. fragilis</i>	yes	yes	replicated	low probability	independent	no treatment	random	Not present
Raffa et al. 2009 - Journal of the Marine Biological Association UK 89: 1571-1580	Cruker Bay (Patagonia), Argentina	44°56'S	64°37'W	field	observational	<i>Ulmaria pinnatifida</i>	C1	no	no	replicated	low probability	independent	no treatment	random	Not present
Rain et al. 1998 - Italian Journal of Zoology 65: 465-470	Imperia, Italy	43.883663	8.031256	field	observational	<i>Caulerpa fragilis</i>	C1: 1) invaded and 1 control area	yes	yes	replicated	low probability	independent	no treatment	random	Not present
Rodil et al. 2008 - Journal of Experimental Marine Biology and Ecology 358: 1-13	Ladrija (Coronado beach lagoon), Spain	42°34'33" N	9°35'16" W	field	experimental	<i>Sargassum muticum</i>	2 types of algae wack patches (<i>Sargassum muticum</i> and <i>Sargassum polyceratum</i>) and control patches (no bare substrate) at 2 heights on the shore in each of the 2 sites	yes	yes	replicated	low probability	independent	yes	other	Not present
Rohr et al. 2011 - Aquatic Ecology 45: 213-219	Rhode Island, USA	41°29'N	71°25'W	field	experimental	<i>Neovibrio burreyi</i>	monoc vs resident epiphytes vs monics with the resident epiphytes	yes	yes	replicated	low probability	independent	yes	other	Not present
Rosa et al. 2003 - Marine Biology 158: 2705-2715	Gulfian coast, Spain	42° 42' N	6° 42' W	field	experimental	<i>Sargassum muticum</i>	control plots vs plots with different amounts of <i>Sargassum</i>	yes	yes	replicated	low probability	independent	yes	other	Not present
Sánchez & Fernández 2005 - Journal of Phycology 41: 923-930	Arenar, Spain	43°36'N	5°46'W	field	experimental	<i>Sargassum muticum</i>	control vs <i>Sargassum</i> removal plots in 1 site (8x15) control vs total removal of <i>Sargassum</i> in 1 site (8x15)	yes	yes	replicated	low probability	independent	yes	other	Not present
Sánchez et al. 2005 - Journal of Phycology 41: 942-949	Ventós, Barçelon and Arenar, Spain	144°37'N, 244°36'N, 143°36'N	10°50' W, 20°48' W, 10°46' W	field	observational	<i>Sargassum muticum</i>	BA	yes	yes	replicated	low probability	independent	no treatment	other	Not present
Schieling & Anthony 2001 - Marine Biology 139: 139-146	Laboratory	44°36'N	64°10'W	lab	experimental	<i>Codium fragile</i>	18 aquaria assigned to 3 diet treatments with 24 sea urchins in each aquaria: 1) <i>Codium</i> ; 2) <i>Laminaria</i> ; 3) mixed diet treatment	yes	yes	replicated	low probability	independent	yes	other	Not present
Schieling & Gagnon 2008 - Marine Ecology Progress Series 325: 1-14	Little Duck Island (Nova Scotia), Canada	44°22'N	64°11'W	field	experimental	<i>Codium fragile</i>	5 plots for each treatment: 1) pulse removal of <i>Codium</i> (removed once at the start of the exp and again after 2 yrs); 2) control treatment; 3) press removal of <i>Codium</i> (at the start of the exp and then at monthly intervals until the end of the exp); 4) After the end of the exp, canopy cover was measured in a 10 x 10 randomly positioned quadrats within the exp area	yes	yes	replicated	low probability	independent	yes	other	Not present
Schmidt & Schieling 2006 - Botánica Marina 49: 311-330	Dranberry Cove (Nova Scotia), Canada	44°28'N	63°56'W	field	observational	<i>Codium fragile</i>	C1 (3 sites: 1) dominated by <i>Codium</i> ; 1) by <i>Laminaria</i> and 1) with mixed stands; 10 shells of <i>Codium</i> and 10 of <i>Laminaria</i> collected in monospecific stands and 5 of each species collected in the mixed stand	yes	yes	replicated	low probability	independent	no treatment	other	Not present
Schmidt & Schieling 2007 - Journal of Experimental Marine Biology and Ecology 341: 110-130	Dranberry Cove (Nova Scotia), Canada	44°28'N	63°56'W	field	experimental	<i>Codium fragile</i>	C1 (2 sites: 1) dominated by <i>Codium</i> and 1) by <i>Laminaria</i> ; 4 strips per treatment in each site; 1) <i>Codium</i> removed; 1) <i>Codium</i> intact; 2) quadrats 1-10 in each strip	yes	yes	replicated	low probability	independent	yes	other	Not present
Stebbin & Wilmar 2004 - Ecology 85: 2938-2945	Portsmouth, New Hampshire, USA	42° 15'55" N	70° 37'35" W	field	experimental	<i>Codium fragile</i>	plots within areas covered by <i>Codium</i> vs plots within bare space vs plots within mussel beds	yes	yes	replicated	low probability	probably independent	yes	other	Not present

Sløth et al. 2000 - Marine Ecology Progress Series 207: 79-88	Lindørbank, Denmark	56°N	10°E	field	observational	<i>Sargassum muticum</i>	C: 10 transects with <i>Sargassum</i> and 14 with no or little <i>Sargassum</i> cover	yes	yes	replicated	low probability	independent	no treatment	other	Not present
Strong & Oving 2001 - <i>Botanica Marina</i> 54: 223-229	Strangford Lough, Ireland	54° 26.300' N	00° 12.475' W	field	experimental	<i>Sargassum muticum</i>	plots with <i>Sargassum</i> vs plots without <i>Sargassum</i>	yes	yes	replicated	low probability	independent	yes	other	Not present
Strong et al. 2006 - Marine Ecology Progress Series 321: 87-97	Paddy's Point, Ireland & Russel's Lagoon, England	54°32'N, 0°49.5'W	0°15'W, 1°00.00'W	field	observational	<i>Sargassum muticum</i>	All each (inverted) site 7 cores are taken inside and outside the <i>Sargassum</i> control	yes	no	replicated	low probability	independent	no treatment	other	Not present
Strong et al. 2009 - Journal of the Marine Biological Association of the United Kingdom 89: 303-314	Strangford Lough, Ireland	54° 36.300' N	00° 12.475' W	field	experimental	<i>Sargassum muticum</i>	<i>Sargassum</i> vs <i>Sargassum</i> thallus vs epiphytes on <i>Ulva lactuca</i> / <i>Thalassia testudinum</i>	yes	yes	replicated	low probability	independent	yes	random	Not present
Sureda et al. 2008 - Marine Environmental Research 66: 359-363	Malorca, Spain	39° 34'32.88" N	2°20'54.46" E	field	observational	<i>Lophosiphonia littoralis</i>	1. Inverted and 1 control area	yes	no	replicated	low probability	independent	no treatment	random	Not present
Sureda et al. 2009 - Ecotoxicology and Environmental Safety 72: 795-803	Cala d'Or, Spain	38°N	2°W	field/lab	in situ/exp	<i>Caulerpa taxifolia</i>	Lab: 6 aquaria with <i>Posidonia</i> and 6 with <i>C. taxifolia</i> ; field: 6 with <i>Posidonia</i> and 6 with <i>C. taxifolia</i>	yes	yes	replicated	low probability	independent	yes	other	Not present
Tanner 2011 - Estuaries and Coasts 34: 833-838	Port River, Australia	34°47' S	158°31' E	field	observational	<i>Caulerpa taxifolia</i>	C1	yes	yes	replicated	low probability	independent	no treatment	other	Not present
Taylor et al. 2010 - Marine Ecology Progress Series 420: 73-81	Rotary Bay (NSW), Australia	33°52' S	151°12' E	field	experimental	<i>Caulerpa taxifolia</i>	1) high quantity; 2) low quantity; 3) high quality; 4) low quality of <i>Caulerpa taxifolia</i> ; 5) 1:1	yes	yes	replicated	low probability	independent	yes	random	Not present
Thomsen 2010 - Aquatic Invasions 5: 143-146	Snapton Harbor, East Jutland, Denmark	55° 49' 42.07" N	10° 3' 12.84" E	field	experimental	<i>Gelidium verticillatum</i>	plots with <i>Gelidium</i> (2 densities) vs plots without <i>Gelidium</i>	yes	yes	replicated	low probability	independent	yes	other	Not present
Tomas et al. 2011 - Biological Invasions 13: 3559-3570	laboratory	55.8331	2.6262	lab	observational	<i>Caulerpa racemosa</i>	aquaria with <i>Posidonia</i> vs aquaria with non-native species	yes	yes	replicated	low probability	independent	no treatment	random	Not present
Trowbridge & Todd 2001 - Ecological Monographs 71: 219-243	laboratory	50°17'N	5°14'W	lab	experimental	<i>Codium fragile</i>	10 flags for each of the 4 det treatments: 1) <i>Codium fragile</i> attachment; 2) <i>C. fragile</i> detachment; 3) <i>C. tenuissimum</i> ; 4) no algae (sterilization control); larvae exposed to different substrates: 1) <i>Cladophora</i> ; 2) <i>Codium</i> ; 3) <i>Sargassum</i> ; 4) <i>Sargassum</i> ; 5) <i>Sargassum</i> ; 6) <i>Sargassum</i> ; 7) <i>Sargassum</i> ; 8) <i>Sargassum</i> ; 9) <i>Sargassum</i> ; 10) <i>Sargassum</i> ; 11) <i>Sargassum</i> ; 12) <i>Sargassum</i> ; 13) <i>Sargassum</i> ; 14) <i>Sargassum</i> ; 15) <i>Sargassum</i> ; 16) <i>Sargassum</i> ; 17) <i>Sargassum</i> ; 18) <i>Sargassum</i> ; 19) <i>Sargassum</i> ; 20) <i>Sargassum</i> ; 21) <i>Sargassum</i> ; 22) <i>Sargassum</i> ; 23) <i>Sargassum</i> ; 24) <i>Sargassum</i> ; 25) <i>Sargassum</i> ; 26) <i>Sargassum</i> ; 27) <i>Sargassum</i> ; 28) <i>Sargassum</i> ; 29) <i>Sargassum</i> ; 30) <i>Sargassum</i> ; 31) <i>Sargassum</i> ; 32) <i>Sargassum</i> ; 33) <i>Sargassum</i> ; 34) <i>Sargassum</i> ; 35) <i>Sargassum</i> ; 36) <i>Sargassum</i> ; 37) <i>Sargassum</i> ; 38) <i>Sargassum</i> ; 39) <i>Sargassum</i> ; 40) <i>Sargassum</i> ; 41) <i>Sargassum</i> ; 42) <i>Sargassum</i> ; 43) <i>Sargassum</i> ; 44) <i>Sargassum</i> ; 45) <i>Sargassum</i> ; 46) <i>Sargassum</i> ; 47) <i>Sargassum</i> ; 48) <i>Sargassum</i> ; 49) <i>Sargassum</i> ; 50) <i>Sargassum</i> ; 51) <i>Sargassum</i> ; 52) <i>Sargassum</i> ; 53) <i>Sargassum</i> ; 54) <i>Sargassum</i> ; 55) <i>Sargassum</i> ; 56) <i>Sargassum</i> ; 57) <i>Sargassum</i> ; 58) <i>Sargassum</i> ; 59) <i>Sargassum</i> ; 60) <i>Sargassum</i> ; 61) <i>Sargassum</i> ; 62) <i>Sargassum</i> ; 63) <i>Sargassum</i> ; 64) <i>Sargassum</i> ; 65) <i>Sargassum</i> ; 66) <i>Sargassum</i> ; 67) <i>Sargassum</i> ; 68) <i>Sargassum</i> ; 69) <i>Sargassum</i> ; 70) <i>Sargassum</i> ; 71) <i>Sargassum</i> ; 72) <i>Sargassum</i> ; 73) <i>Sargassum</i> ; 74) <i>Sargassum</i> ; 75) <i>Sargassum</i> ; 76) <i>Sargassum</i> ; 77) <i>Sargassum</i> ; 78) <i>Sargassum</i> ; 79) <i>Sargassum</i> ; 80) <i>Sargassum</i> ; 81) <i>Sargassum</i> ; 82) <i>Sargassum</i> ; 83) <i>Sargassum</i> ; 84) <i>Sargassum</i> ; 85) <i>Sargassum</i> ; 86) <i>Sargassum</i> ; 87) <i>Sargassum</i> ; 88) <i>Sargassum</i> ; 89) <i>Sargassum</i> ; 90) <i>Sargassum</i> ; 91) <i>Sargassum</i> ; 92) <i>Sargassum</i> ; 93) <i>Sargassum</i> ; 94) <i>Sargassum</i> ; 95) <i>Sargassum</i> ; 96) <i>Sargassum</i> ; 97) <i>Sargassum</i> ; 98) <i>Sargassum</i> ; 99) <i>Sargassum</i> ; 100) <i>Sargassum</i>	yes	yes	replicated	low probability	independent	yes	random	Not present
Trowbridge 2001 - Journal of the Marine Biological Association UK 81: 933-937	Courty Clav, Ireland	52°40'N	9°38'W	field	observational	<i>Codium fragile</i>	C1: invaded vs non-invaded plots	yes	yes	replicated	low probability	independent	no treatment	random	Not present
Ulu et al. 2011 - Turkish Journal of Fisheries and Aquatic Sciences 11: 385-391	Hajibey Bay, Turkey	38.057479	26.964685	field	observational	<i>Caulerpa racemosa</i>	C1: 1 invaded and 1 control area	yes	yes	replicated	low probability	independent	no treatment	other	Not present
Valentine & Johnson 2005 - Marine Ecology Progress Series 295: 43-55	Lords Bluff, Tasmania	42°11'S	147°59'E	field	experimental	<i>Ulvaria pinnatifida</i>	6 treatments from all the possible combinations of 1) anchors, 2) <i>Ulvaria</i> , 3) <i>Ulvaria</i> + <i>Ulvaria</i> native algal spore inoculum	yes	yes	replicated	low probability	independent	yes	other	Not present
Vaqueiro-Luis et al. 2009 - Estuarine Coastal and Shelf Science 84: 161-170	Cape de Santa Pola, France	38°12' N	0°30' E	field	observational	<i>Caulerpa racemosa</i>	C1	yes	yes	replicated	low probability	independent	no treatment	random	Not present
Vaqueiro-Luis et al. 2009 - Helgolander Marine Research 63: 107-117	Cape de Santa Pola, France	38°12' N	0°30' E	field	observational	<i>Caulerpa racemosa</i>	C1	yes	yes	replicated	low probability	independent	no treatment	random	Not present
Vaqueiro-Luis et al. 2008 - Marine Environmental Research 65: 416-426	Cape de Santa Pola, France	38.202377	-0.507577	field	observational	<i>Caulerpa racemosa</i>	C1: 1 invaded vs 1 non invaded	yes	yes	replicated	low probability	independent	no treatment	random	Not present
Vaqueiro-Luis et al. 2010 - Hydrobiologia 654: 147-154	laboratory	38.202377	-0.507577	lab	experimental	<i>Caulerpa racemosa</i>	Replicated tanks with different habitats (Dubautia, <i>Ulva lactuca</i> , <i>Ulva lactuca</i> + <i>Sargassum muticum</i>) with different amount of <i>Sargassum</i> (10 replicated plots each)	yes	no	replicated	low probability	independent	yes	random	Not present
Veys 1997 - Journal of the Marine Biological Association of the United Kingdom 77: 325-340	Chama, Spain	43°34'N	0°12'W	field	experimental	<i>Sargassum muticum</i>	3 sites with 2 treatments each (presence of <i>Sargassum</i> and removal of <i>Sargassum</i> (10 replicated plots each))	yes	yes	replicated	low probability	independent	yes	random	Not present
Wernberg et al. 2004 - Helgolander Marine Research 58: 154-163	Draby Vig, Denmark	55°02'N	12°02'W	field	observational	<i>Sargassum muticum</i>	C1	yes	no	replicated	low probability	independent	no treatment	random	Not present
White & Shurin 2011 - Journal of Experimental Marine Biology and Ecology 405: 113-119	Down Island, Canada	48°51.55'N	125°10.70'W	field	experimental	<i>Sargassum muticum</i>	<i>Sargassum muticum</i> cover treatment: 60% (control), 20% (20% wt 20%), for each of them there were 2 light	yes	yes	replicated	low probability	independent	yes	random	Not present
Wikström & Pavia 2004 - Oecologia 138: 223-227	Simons Marine Biological Laboratory, Sweden/Laboratory	58° 17' N	13° 00' E	field/lab	experimental	<i>Fucus vesiculosus</i>	invaded vs native	yes	yes	replicated	low probability	independent	yes	random	Not present
Wikström & Ravnkilde 2004 - Biological Invasions 6: 143-150	Öregrund, Sweden	58.83	18.85	field	observational	<i>Fucus vesiculosus</i>	invaded vs native	yes	yes	replicated	low probability	independent	no treatment	random	Not present
Wikström et al. 2006 - Oecologia 146: 593-601	Öregrund, Sweden	58° 59' N; 12° 58' 51" E; 53° 58' 87" N	53° 11' 12" E; 11° 12' E; 53° 11' 14" E	field	observational	<i>Fucus vesiculosus</i>	invaded vs native	yes	yes	replicated	low probability	independent	no treatment	random	Not present
Williams & Groszko 2002 - Marine Ecology Progress Series 233: 307-310	Huntington harbor (California), USA	33°41' N	118°31' W	field	observational	<i>Caulerpa taxifolia</i>	C1	yes	yes	replicated	low probability	independent	no treatment	random	Not present
Wright & Gibben 2008 - Journal of Applied Ecology 45: 1540-1549	Sponge Bay & Lake Conola, Australia	35°15' S	150°27' E	field	experimental	<i>Caulerpa taxifolia</i>	transplant experiment of <i>Anaxidaria</i> , 6 size classes: small, medium, large (C1a, C1b, C1c); <i>Sargassum</i> , C1d; very large (C1a origin) and very large (long, settlement or C1a)	yes	yes	replicated	low probability	independent	yes	random	Not present
Wright et al. 2007 - Marine and Freshwater Research 58: 203-212	106. Georges basin; 2) Lake Burrit; 3) Lake Conola, Australia	31°30'15" S; 2) 30°24' S; 3) 30°30' S	151°30'50" E; 2) 150°27' E; 3) 150°30' E	field	observational	<i>Caulerpa taxifolia</i>	C1a: 1: 3 habitats (long, medium, small); C2a: 1: 3 habitats (long, medium, small); C3a: 1: 3 habitats (long, medium, small); C4a: 1: 3 habitats (long, medium, small); C5a: 1: 3 habitats (long, medium, small); C6a: 1: 3 habitats (long, medium, small); C7a: 1: 3 habitats (long, medium, small); C8a: 1: 3 habitats (long, medium, small); C9a: 1: 3 habitats (long, medium, small); C10a: 1: 3 habitats (long, medium, small); C11a: 1: 3 habitats (long, medium, small); C12a: 1: 3 habitats (long, medium, small); C13a: 1: 3 habitats (long, medium, small); C14a: 1: 3 habitats (long, medium, small); C15a: 1: 3 habitats (long, medium, small); C16a: 1: 3 habitats (long, medium, small); C17a: 1: 3 habitats (long, medium, small); C18a: 1: 3 habitats (long, medium, small); C19a: 1: 3 habitats (long, medium, small); C20a: 1: 3 habitats (long, medium, small); C21a: 1: 3 habitats (long, medium, small); C22a: 1: 3 habitats (long, medium, small); C23a: 1: 3 habitats (long, medium, small); C24a: 1: 3 habitats (long, medium, small); C25a: 1: 3 habitats (long, medium, small); C26a: 1: 3 habitats (long, medium, small); C27a: 1: 3 habitats (long, medium, small); C28a: 1: 3 habitats (long, medium, small); C29a: 1: 3 habitats (long, medium, small); C30a: 1: 3 habitats (long, medium, small); C31a: 1: 3 habitats (long, medium, small); C32a: 1: 3 habitats (long, medium, small); C33a: 1: 3 habitats (long, medium, small); C34a: 1: 3 habitats (long, medium, small); C35a: 1: 3 habitats (long, medium, small); C36a: 1: 3 habitats (long, medium, small); C37a: 1: 3 habitats (long, medium, small); C38a: 1: 3 habitats (long, medium, small); C39a: 1: 3 habitats (long, medium, small); C40a: 1: 3 habitats (long, medium, small); C41a: 1: 3 habitats (long, medium, small); C42a: 1: 3 habitats (long, medium, small); C43a: 1: 3 habitats (long, medium, small); C44a: 1: 3 habitats (long, medium, small); C45a: 1: 3 habitats (long, medium, small); C46a: 1: 3 habitats (long, medium, small); C47a: 1: 3 habitats (long, medium, small); C48a: 1: 3 habitats (long, medium, small); C49a: 1: 3 habitats (long, medium, small); C50a: 1: 3 habitats (long, medium, small); C51a: 1: 3 habitats (long, medium, small); C52a: 1: 3 habitats (long, medium, small); C53a: 1: 3 habitats (long, medium, small); C54a: 1: 3 habitats (long, medium, small); C55a: 1: 3 habitats (long, medium, small); C56a: 1: 3 habitats (long, medium, small); C57a: 1: 3 habitats (long, medium, small); C58a: 1: 3 habitats (long, medium, small); C59a: 1: 3 habitats (long, medium, small); C60a: 1: 3 habitats (long, medium, small); C61a: 1: 3 habitats (long, medium, small); C62a: 1: 3 habitats (long, medium, small); C63a: 1: 3 habitats (long, medium, small); C64a: 1: 3 habitats (long, medium, small); C65a: 1: 3 habitats (long, medium, small); C66a: 1: 3 habitats (long, medium, small); C67a: 1: 3 habitats (long, medium, small); C68a: 1: 3 habitats (long, medium, small); C69a: 1: 3 habitats (long, medium, small); C70a: 1: 3 habitats (long, medium, small); C71a: 1: 3 habitats (long, medium, small); C72a: 1: 3 habitats (long, medium, small); C73a: 1: 3 habitats (long, medium, small); C74a: 1: 3 habitats (long, medium, small); C75a: 1: 3 habitats (long, medium, small); C76a: 1: 3 habitats (long, medium, small); C77a: 1: 3 habitats (long, medium, small); C78a: 1: 3 habitats (long, medium, small); C79a: 1: 3 habitats (long, medium, small); C80a: 1: 3 habitats (long, medium, small); C81a: 1: 3 habitats (long, medium, small); C82a: 1: 3 habitats (long, medium, small); C83a: 1: 3 habitats (long, medium, small); C84a: 1: 3 habitats (long, medium, small); C85a: 1: 3 habitats (long, medium, small); C86a: 1: 3 habitats (long, medium, small); C87a: 1: 3 habitats (long, medium, small); C88a: 1: 3 habitats (long, medium, small); C89a: 1: 3 habitats (long, medium, small); C90a: 1: 3 habitats (long, medium, small); C91a: 1: 3 habitats (long, medium, small); C92a: 1: 3 habitats (long, medium, small); C93a: 1: 3 habitats (long, medium, small); C94a: 1: 3 habitats (long, medium, small); C95a: 1: 3 habitats (long, medium, small); C96a: 1: 3 habitats (long, medium, small); C97a: 1: 3 habitats (long, medium, small); C98a: 1: 3 habitats (long, medium, small); C99a: 1: 3 habitats (long, medium, small); C100a: 1: 3 habitats (long, medium, small); C101a: 1: 3 habitats (long, medium, small); C102a: 1: 3 habitats (long, medium, small); C103a: 1: 3 habitats (long, medium, small); C104a: 1: 3 habitats (long, medium, small); C105a: 1: 3 habitats (long, medium, small); C106a: 1: 3 habitats (long, medium, small); C107a: 1: 3 habitats (long, medium, small); C108a: 1: 3 habitats (long, medium, small); C109a: 1: 3 habitats (long, medium, small); C110a: 1: 3 habitats (long, medium, small); C111a: 1: 3 habitats (long, medium, small); C112a: 1: 3 habitats (long, medium, small); C113a: 1: 3 habitats (long, medium, small); C114a: 1: 3 habitats (long, medium, small); C115a: 1: 3 habitats (long, medium, small); C116a: 1: 3 habitats (long, medium, small); C117a: 1: 3 habitats (long, medium, small); C118a: 1: 3 habitats (long, medium, small); C119a: 1: 3 habitats (long, medium, small); C120a: 1: 3 habitats (long, medium, small); C121a: 1: 3 habitats (long, medium, small); C122a: 1: 3 habitats (long, medium, small); C123a: 1: 3 habitats (long, medium, small); C124a: 1: 3 habitats (long, medium, small); C125a: 1: 3 habitats (long, medium, small); C126a: 1: 3 habitats (long, medium, small); C127a: 1: 3 habitats (long, medium, small); C128a: 1: 3 habitats (long, medium, small); C129a: 1: 3 habitats (long, medium, small); C130a: 1: 3 habitats (long, medium, small); C131a: 1: 3 habitats (long, medium, small); C132a: 1: 3 habitats (long, medium, small); C133a: 1: 3 habitats (long, medium, small); C134a: 1: 3 habitats (long, medium, small); C135a: 1: 3 habitats (long, medium, small); C136a: 1: 3 habitats (long, medium, small); C137a: 1: 3 habitats (long, medium, small); C138a: 1: 3 habitats (long, medium, small); C139a: 1: 3 habitats (long, medium, small); C140a: 1: 3 habitats (long, medium, small); C141a: 1: 3 habitats (long, medium, small); C142a: 1: 3 habitats (long, medium, small); C143a: 1: 3 habitats (long, medium, small); C144a: 1: 3 habitats (long, medium, small); C145a: 1: 3 habitats (long, medium, small); C146a: 1: 3 habitats (long, medium, small); C147a: 1: 3 habitats (long, medium, small); C148a: 1: 3 habitats (long, medium, small); C149a: 1: 3 habitats (long, medium, small); C150a: 1: 3 habitats (long, medium, small); C151a: 1: 3 habitats (long, medium, small); C152a: 1: 3 habitats (long, medium, small); C153a: 1: 3 habitats (long, medium, small); C154a: 1: 3 habitats (long, medium, small); C155a: 1: 3 habitats (long, medium, small); C156a: 1: 3 habitats (long, medium, small); C157a: 1: 3 habitats (long, medium, small); C158a: 1: 3 habitats (long, medium, small); C159a: 1: 3 habitats (long, medium, small); C160a: 1: 3 habitats (long, medium, small); C161a: 1: 3 habitats (long, medium, small); C162a: 1: 3 habitats (long, medium, small); C163a: 1: 3 habitats (long, medium, small); C164a: 1: 3 habitats (long, medium, small); C165a: 1: 3 habitats (long, medium, small); C166a: 1: 3 habitats (long, medium, small); C167a: 1: 3 habitats (long, medium, small); C168a: 1: 3 habitats (long, medium, small); C169a: 1: 3 habitats (long, medium, small); C170a: 1: 3 habitats (long, medium, small); C171a: 1: 3 habitats (long, medium, small); C172a: 1: 3 habitats (long, medium, small); C173a: 1: 3 habitats (long, medium, small); C174a: 1: 3 habitats (long, medium, small); C175a: 1: 3 habitats (long, medium, small); C176a: 1: 3 habitats (long, medium, small); C177a: 1: 3 habitats (long, medium, small); C178a: 1: 3 habitats (long, medium, small); C179a: 1: 3 habitats (long, medium, small); C180a: 1: 3 habitats (long, medium, small); C181a: 1: 3 habitats (long, medium, small); C182a: 1: 3 habitats (long, medium, small); C183a: 1: 3 habitats (long, medium, small); C184a: 1: 3 habitats (long, medium, small); C185a: 1: 3 habitats (long, medium, small); C186a: 1: 3 habitats (long, medium, small); C187a: 1: 3 habitats (long, medium, small); C188a: 1: 3 habitats (long, medium, small); C189a: 1: 3 habitats (long, medium, small); C190a: 1: 3 habitats (long, medium, small); C191a: 1: 3 habitats (long, medium, small); C192a: 1: 3 habitats (long, medium, small); C193a: 1: 3 habitats (long, medium, small); C194a: 1: 3 habitats (long, medium, small); C195a: 1: 3 habitats (long, medium, small); C196a: 1: 3 habitats (long, medium, small); C197a: 1: 3 habitats (long, medium, small); C198a: 1: 3 habitats (long, medium, small); C199a: 1: 3 habitats (long, medium, small); C200a: 1: 3 habitats (long, medium, small); C201a: 1: 3 habitats (long, medium, small); C202a: 1: 3 habitats (long, medium, small); C203a: 1: 3 habitats (long, medium, small); C204a: 1: 3 habitats (long, medium, small); C205a: 1: 3 habitats (long, medium, small); C206a: 1: 3 habitats (long, medium, small); C207a: 1: 3 habitats (long, medium, small); C208a: 1: 3 habitats (long, medium, small); C209a: 1: 3 habitats (long, medium, small); C210a: 1: 3 habitats (long, medium, small); C211a: 1: 3 habitats (long, medium, small); C212a: 1: 3 habitats (long, medium, small); C213a: 1: 3 habitats (long, medium, small); C214a: 1: 3 habitats (long, medium, small); C215a: 1: 3 habitats (long, medium, small); C216a: 1: 3 habitats (long, medium, small); C217a: 1: 3 habitats (long, medium, small); C218a: 1: 3 habitats (long, medium, small); C219a: 1: 3 habitats (long, medium, small); C220a: 1: 3 habitats (long, medium, small); C221a: 1: 3 habitats (long, medium, small); C222a: 1: 3 habitats (long, medium, small); C223a: 1: 3 habitats (long, medium, small); C224a: 1: 3 habitats (long, medium, small); C225a: 1: 3 habitats (long, medium, small); C226a: 1: 3 habitats (long, medium, small); C227a: 1: 3 habitats (long, medium, small); C228a: 1: 3 habitats (long, medium, small); C229a: 1: 3 habitats (long, medium, small); C230a: 1: 3 habitats (long, medium, small); C231a: 1: 3 habitats (long, medium, small); C232a: 1: 3 habitats (long, medium, small); C233a: 1: 3 habitats (long, medium, small); C234a: 1: 3 habitats (long, medium, small); C235a: 1: 3 habitats (long, medium, small); C236a: 1: 3 habitats (long, medium, small); C237a: 1: 3 habitats (long, medium, small); C238a: 1: 3 habitats (long, medium, small); C239a: 1: 3 habitats (long, medium, small); C240a: 1: 3 habitats (long, medium, small); C241a: 1: 3 habitats (long, medium, small); C242a: 1: 3 habitats (long, medium, small); C243a: 1: 3 habitats (long, medium, small); C244a: 1: 3 habitats (long, medium, small); C245a: 1: 3 habitats (long, medium, small); C246a: 1: 3 habitats (long, medium, small); C247a: 1: 3 habitats (long, medium, small); C248a: 1: 3 habitats (long, medium, small); C249a: 1: 3 habitats (long, medium, small); C250a: 1: 3 habitats (long, medium, small); C251a: 1: 3 habitats (long, medium, small); C252a: 1: 3 habitats (long, medium, small); C253a: 1: 3 habitats (long, medium, small); C254a: 1: 3 habitats (long, medium, small); C255a: 1: 3 habitats (long, medium, small); C256a: 1: 3 habitats (long, medium, small); C257a: 1: 3 habitats (long, medium, small); C258a: 1: 3 habitats (long, medium, small); C259a: 1: 3 habitats (long, medium, small); C260a: 1: 3 habitats (long, medium, small); C261a: 1: 3 habitats (long, medium, small); C262a: 1: 3 habitats (long, medium, small); C263a: 1: 3 habitats (long, medium, small); C264a: 1: 3 habitats (long, medium, small); C265a: 1: 3 habitats (long, medium, small); C266a: 1: 3 habitats (long, medium, small); C267a: 1: 3 habitats (long, medium, small); C268a: 1: 3 habitats (long, medium, small); C269a: 1: 3 habitats (long, medium, small); C270a: 1: 3 habitats (long, medium, small); C271a: 1: 3 habitats (long, medium, small); C272a: 1: 3 habitats (long, medium, small); C273a: 1: 3 habitats (long, medium, small); C274a: 1: 3 habitats (long, medium, small); C275a: 1: 3 habitats (long, medium, small); C276a: 1: 3 habitats (long, medium, small); C277a: 1: 3 habitats (long, medium, small); C278a: 1: 3 habitats (long, medium, small); C279a: 1: 3 habitats (long, medium, small); C280a: 1: 3 habitats (long, medium, small); C281a: 1: 3 habitats (long, medium, small); C282a: 1: 3 habitats (long, medium, small); C283a: 1: 3 habitats (long, medium, small); C284a: 1: 3 habitats (long, medium, small); C285a: 1: 3 habitats (long, medium, small); C286a: 1: 3 habitats (long, medium, small); C287a: 1: 3 habitats (long, medium, small); C288a: 1: 3 habitats (long, medium, small); C289a: 1: 3 habitats (long, medium, small); C290a: 1: 3 habitats (long, medium, small); C291a: 1: 3 habitats (long, medium, small); C292a: 1: 3 habitats (long, medium, small); C293a: 1: 3 habitats (long, medium, small); C294a: 1: 3 habitats (long, medium, small); C295a: 1: 3 habitats (long, medium, small); C296a: 1: 3 habitats (

Venlaque & Fritayre 1994 - Oecologia Acta 17: 659-672	Cap Martin, France		field	observational	<i>Coultper baqfola</i>	Cl: 1 invaded and 1 control site	yes	no	unknown	high probability	unknown	no treatment	unknown	Probably present, unknown number of replicates
Vega 1999 - Aquatic Botany 64: 131-140	El Truchan Islot, Spain		field	observational	<i>Sargassum muticum</i>	8 habitats: 10pools with sargassum, low priority/10pools with sargassum, central with France, low priority/10pools with sargassum	yes	yes	replicated	high probability	unknown	no treatment	unknown	Probably present; Sargassum is in pools while Fucus is not (not comparable data); replicate plants are not real replicates (variability among areas from which the replicate plants have been collected is not estimated)
Zajac 2011 - Biological Invasions 13: 2303-2308	Croatica and Nice, France		lab/field	experimental	<i>Coultper baqfola</i>	Effects of a resident herbivore on the non-native invasive fronds	yes	yes	replicated	high probability	independent	not applicable	random	Probably present, due to lack of controls