

Reynolds et al. Latitude, temperature and habitat complexity predict predation pressure in eelgrass beds across the Northern Hemisphere. *Ecology*.

APPENDIX S1

Table S1. Field locations and month of field sampling with the predation intensity (mean percent prey [amphipod; gastropod], consumed after 24 hours) per site, as well as the number of secondary predator traps deployed and the trap catch-per-unit-effort (CPUE) and species richness of those predators [fish; crustaceans].

Site Metadata							Predation	Tethered Prey Species		Secondary Predators		
Site	Location	Ocean	Basin	Latitude	Longitude	Month	Intensity	Amphipod	Gastropod	# Traps	CPUE	Richness
BB.A	Bodega Bay, California USA	Pacific	East	38.32	-123.06	July	52.6; 18.75	<i>Ampithoe lacertosa</i>	<i>Lirularia sp.</i>	35	1.69; 0.89	1.17; 0.43
BB.B	Tomales Bay, California, USA	Pacific	East	38.15	-122.91	July	85; 15	<i>Ampithoe lacertosa</i>	<i>Lirularia sp.</i>	.	.	.
BC.A	Tsawwassen, British Columbia, Canada	Pacific	East	49.00	-123.10	May	100; 30	Gammarid	<i>Lottia sp.</i>	.	.	.
BC.B	White Rock, British Columbia, Canada	Pacific	East	49.00	-122.80	May	36.84; 29.4	Gammarid	<i>Lottia sp.</i>	.	.	.
CR.A	Posedarje, Croatia	Atlantic	East	44.21	15.49	May	85; 40	<i>Orchestia gammarellus</i>	<i>Gibbula divaricata</i>	.	.	.
CR.B	Sveti Duh, Croatia	Atlantic	East	44.21	15.48	June	90; 15	<i>Orchestia gammarellus</i>	<i>Bittium reticulatum</i>	.	.	.
ES.A	South Bay, Virginia, USA	Atlantic	West	37.27	-75.81	June	NA; 25	.	<i>Bittium varium</i>	.	.	.
ES.B	Cobb Bay, Virginia, USA	Atlantic	West	37.32	-75.79	June	NA; 80	.	<i>Bittium varium</i>	.	.	.
FI.A	Fårö, Finland	Atlantic	East	59.92	21.80	June	60; 0	<i>Gammarus sp.</i>	<i>Theodoxus fluviatilis</i>	14	3.07; 0.50	1.71; 0.29
FI.B	Ängsö, Finland	Atlantic	East	60.11	21.71	Aug.	35; 0	<i>Gammarus sp.</i>	<i>Theodoxus fluviatilis</i>	9	2.00; 1.00	1.33; 0.67
FR.A	Etang de Thau, France	Atlantic	East	43.45	3.66	June	95; 0	<i>Gammarus insensibilis</i>	<i>Bittium reticulatum</i>	.	.	.
FR.B	Etang de Bages-Sigean, France	Atlantic	East	43.08	2.97	June	50; 25	<i>Gammarus insensibilis</i>	<i>Gibbula adansonii</i>	.	.	.
IR.A	Greyabbey, Ireland	Atlantic	East	54.53	-5.57	June	57.9; 0	<i>Chaetogammarus marinus</i>	<i>Littorina littorea</i>	.	.	.
IR.B	Donegal, Ireland	Atlantic	East	55.22	-7.70	July	100; 11.1	<i>Chaetogammarus marinus</i>	<i>Littorina obtusata</i>	.	.	.
JN.A	Akkeshi-ko Estuary, Japan	Pacific	West	43.02	144.90	July	80; 5.6	<i>Ampithoe lacertosa</i>	<i>Barleeia angustata</i>	.	.	.
JN.B	Akkeshi-bay, Japan	Pacific	West	43.05	144.84	July	55; 0	<i>Ampithoe lacertosa</i>	<i>Barleeia angustata</i>	.	.	.
JS.A	Ikunoshima, Japan	Pacific	West	34.30	132.92	July	76.5; 33.3	<i>Ampithoe valida</i>	<i>Cantharidus callichroa</i>	.	.	.
JS.B	Onoura, Japan	Pacific	West	34.27	132.27	June	95; 30	<i>Ampithoe valida</i>	<i>Cantharidus callichroa</i>	.	.	.
KO.A	Dpmgdae Bay, Korea	Pacific	West	34.90	128.02	July	NA; 5	.	<i>Tristichotrochus sp</i>	.	.	.
KO.B	Koje Bay, Korea	Pacific	West	34.80	128.58	June	100; 0	<i>Ampithoe lacertosa</i>	<i>Batillaria multiformis</i>	.	.	.
MA.A	Dorothy Cove, Massachusetts, USA	Atlantic	West	42.42	-70.92	June	65; 21.1	<i>Gammaropsis nitida</i>	<i>Lacuna vineta</i>	44	0.73; 1.66	0.64; 1.16

MA.B	Niles Beach, Massachusetts, USA	Atlantic	West	42.60	-70.66	June	53.3; 5.3	<i>Gammaropsis nitida</i>	<i>Lacuna vincta</i>	.	.	.
MX.A	San Quintin Bay, Mexico	Pacific	East	30.42	-115.96	June	NA; 0	.	<i>Alia carinata</i>	168	2.40; 3.93	1.54; 1.18
MX.B	Punta Banda Estuary, Mexico	Pacific	East	31.76	-116.62	July	NA; 5	.	<i>Alia carinata</i>	123	0.49; 0.07	0.39; 0.07
NC.A	Middle Marsh, North Carolina, USA	Atlantic	West	34.69	-76.62	May	83.3; NA	<i>Ampithoe longimana</i>	.	.	.	.
NC.B	Shackleford Island, North Carolina, USA	Atlantic	West	34.67	-76.58	May	80; NA	<i>Ampithoe longimana</i>	.	120	5.20; 1.45	1.51; 0.98
NN.A	Misvaerfjorden, Norway	Atlantic	East	67.22	15.01	June	20; 0	<i>Gammarus locusta</i>	<i>Littorina sp.</i>	36	0.89; 0.31	0.67; 0.17
NN.B	Rövika, Norway	Atlantic	East	67.27	15.26	June	25; 0	<i>Gammarus locusta</i>	<i>Littorina sp.</i>	18	0.33; 0.44	0.28; 0.33
OR.A	Yaquina Bay, Oregon, USA	Pacific	East	44.61	-124.01	Aug.	90; 12.5	<i>Eogammarus confervicolus</i>	<i>Lacuna spp.</i>	28	8.32; 0.39	1.36; 0.25
OR.B	Coos Bay, Oregon, USA	Pacific	East	43.35	-124.32	Aug.	94.4; 0	<i>Ampithoe lacertosa</i>	<i>Lacuna spp.</i>	24	6.00; 0.25	1.63; 0.25
PO.A	Culatatra, Portugal	Atlantic	East	37.00	-7.83	July	85; 5	<i>Gammarus insensibilis</i>	<i>Gibbula umbilicaris</i>	.	.	.
PO.B	Marim, Portugal	Atlantic	East	37.03	-7.81	June	100; 0	<i>Gammarus insensibilis</i>	<i>Gibbula umbilicaris</i>	.	.	.
QU.A	Pointe-Lebel, Quebec, Canada	Atlantic	West	49.11	-68.18	June	30; 0	<i>Gammarus spp.</i>	<i>Littorina saxatilis</i>	48	0.67; 0.38	0.48; 0.33
QU.B	Baie-St-Ludger, Quebec, Canada	Atlantic	West	49.09	-68.32	June	20; 10	<i>Gammarus spp.</i>	<i>Littorina saxatilis</i>	.	.	.
RU.A	Seldianaya, Russia	Atlantic	East	66.41	33.72	Aug.	25; 0	<i>Gammarus spp.</i>	<i>Littorina obtusata</i>	.	.	.
RU.B	Nicol'skaya, Russia	Atlantic	East	66.29	34.00	Aug.	31.6; 0	<i>Gammarus spp.</i>	<i>Littorina obtusata</i>	.	.	.
SD.A	Shelter Island, San Diego, California, USA	Pacific	East	32.71	-117.23	May	89.5; 5.6	<i>Gammaridae spp.</i>	<i>Alia californica</i>	24	0.42; 0.00	0.38; 0.00
SD.B	Coronado, San Diego, California, USA	Pacific	East	32.70	-117.17	June	95; NA	<i>Gammaridae spp.</i>	.	.	.	.
SF.A	Pt Molate, San Francisco, California, USA	Pacific	East	37.95	-122.42	July	60; NA	<i>Amphithoe valida</i>	.	.	.	.
SF.B	Pt San Pablo, San Francisco, California, USA	Pacific	East	37.98	-122.41	July	100; NA	<i>Amphithoe valida</i>	.	.	.	.
SW.A	Torsreröd, Sweden	Atlantic	East	58.31	11.55	Aug.	42.1; 10	<i>Gammarus locusta</i>	Rissoid	.	.	.
SW.B	Bökevik, Sweden	Atlantic	East	58.25	11.45	Aug.	100; 30	<i>Gammarus locusta</i>	Rissoid	.	.	.
UK.A	Porth Dinllaen, Wales, UK	Atlantic	East	52.94	-4.57	Sept.	50; 0	Gammarid	<i>Rissoa lilacina</i>	20	0.30; 16.95	0.30; 0.60
UK.B	Penn Y Chain, Wales, UK	Atlantic	East	52.90	-4.32	Sept.	88.2; 50	Gammarid	<i>Rissoa lilacina</i>	.	.	.
VA.A	Goodwin Islands, Virginia, USA	Atlantic	West	37.22	-76.40	June	55; 20	<i>Gammarus mucronatus</i>	<i>Bittium varium</i>	48	0.08; 0.29	0.08; 0.23
VA.B	Allen's Islands, Virginia, USA	Atlantic	West	37.25	-76.44	June	65; 21.1	<i>Gammarus mucronatus</i>	<i>Bittium varium</i>	.	.	.
WA.A	Willapa Bay, Washington, USA	Pacific	East	46.47	-124.03	June	70; NA	<i>Ampithoe valida</i>	.	.	.	.
WA.B	Dabob Bay, Washington, USA	Pacific	East	47.81	-122.82	June	NA; 10	.	<i>Alia gausapata</i>	.	.	.

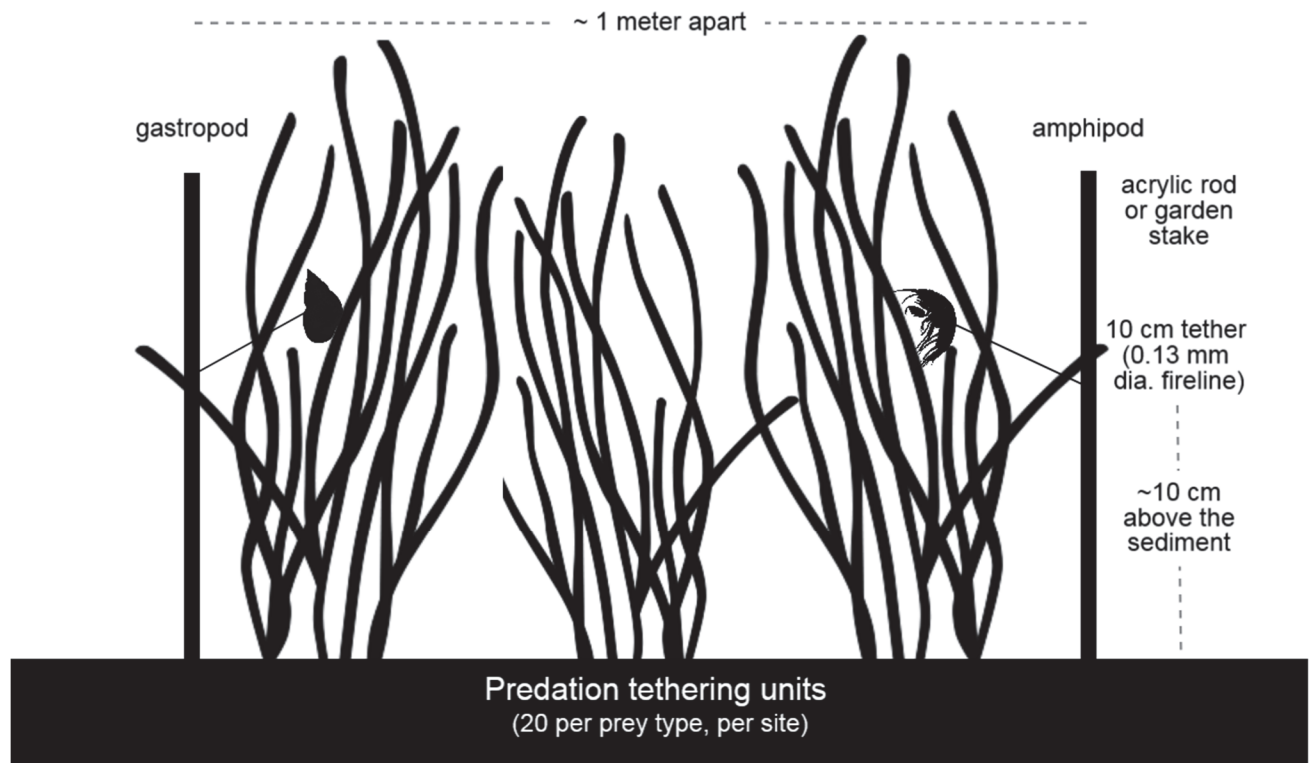


Figure S1. Diagram of prey tethering unit (PTU) methodology for the predation assay. Images not to scale.