

**Table S1.** Information on the studies subjected to meta-analysis.

Article	Salinity regime	Stressor	Response variable	Plant species	Plant family	Growth habit	C3/C4	Herbivore	In-vert/vertebrate
Albarracin and Stiling 2006	Brackish	salinity	Herbivory	<i>Borrachia frutescens</i>	Asteraceae	Shrub	C3	Sap feeder	Invert
Albarracin and Stiling 2006	Brackish	Nitrogen addition	Herbivory	<i>Borrachia frutescens</i>	Asteraceae	Shrub	C3	Sap feeder	Invert
Albarracin and Stiling 2006	Brackish	Salinity	Herbivory	<i>Borrachia frutescens</i>	Asteraceae	Shrub	C3	Gall insect	Invert
Albarracin and Stiling 2006	Brackish	Nitrogen addition	Herbivory	<i>Borrachia frutescens</i>	Asteraceae	Shrub	C3	Gall insect	Invert
Alcoverro and Mariani 2004	Saline	Herbivory	Productivity	<i>Thalassodendron ciliatum</i>	Poaceae	Grass	C3	Simulated herbivory	
Alcoverro and Mariani 2004	Saline	Herbivory	Productivity	<i>Halodule uninervis</i>	Poaceae	Grass	C3	Simulated herbivory	
Alcoverro and Mariani 2004	Saline	Herbivory	Productivity	<i>Syringodium isoetofolium</i>	Poaceae	Grass	C3	Simulated herbivory	
Alcoverro and Mariani 2004	Saline	Herbivory	Productivity	<i>Thalassia hamprichii</i>	Poaceae	Grass		Simulated herbivory	
Alcoverro and Mariani 2004	Saline	Herbivory	Productivity	<i>Cymodocea rotundata</i>	Poaceae	Grass	C3	Simulated herbivory	
Baldwin and Mendelsohn 1998	Brackish	Salinity	Productivity	<i>Sagittaria lancifolia</i>	Alismataceae	Forb/herb	C3		
Baldwin and Mendelsohn 1998	Brackish	Salinity	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		
Baldwin and Pendleton 2003	Freshwater	Herbivory	Productivity	<i>Leersia oryzoides</i>	Poaceae	Grass	C3	Multiple herbivores	
Baldwin and Pendleton 2003	Freshwater	Herbivory	Productivity	<i>Zizania aquatica</i>	Poaceae	Grass	C3	Multiple herbivores	
Baldwin and Pendleton 2003	Freshwater	Herbivory	Productivity	<i>Bidens laevis</i>	Asteraceae	Forb/herb			
Ball and Pidsley 1995	Saline	salinity	Productivity	<i>Sonneratia lanceolata</i>	Sonneratiaceae	Tree	C3		
Beaulieu et al. 1996	Freshwater	Herbivory	Productivity	<i>Eriophorum scheutzeri</i>	Poaceae	Grass	C3	Geese	Vert
Beaulieu et al. 1996	Freshwater	Herbivory	Productivity	<i>Dupontia sp.</i>	Poaceae	Grass	C3	Geese	Vert
Beaulieu et al. 1996	Freshwater	Nitrogen addition	Productivity	<i>Eriophorum scheutzeri</i>	Poaceae	Grass	C3		
Beaulieu et al. 1996	Freshwater	Nitrogen addition	Productivity	<i>Dupontia sp.</i>	Poaceae	Grass	C3		
Bertness et al. 1992	Brackish	salinity	Productivity	<i>Iva frutescens</i>	Asteraceae	Forb/herb	C3		
Bertness et al. 1992	Brackish	salinity	Productivity	<i>Juncus gerardi</i>	Juncaceae	Rush	C3		
Bertness et al. 1992	Brackish	salinity	Productivity	<i>Salicornia europaea</i>	Chenopidiaceae	succulent	C3		
Bertness et al. 1992	Brackish	salinity	Productivity	<i>Atriplex patula</i>	Chenopidiaceae	Forb/herb	C3		
Bertness et al. 1992	Brackish	salinity	Productivity	<i>Aster tenuifolius</i>	Asteraceae	Forb/herb			
Bertness et al. 1992	Brackish	salinity	Productivity	<i>Limonium nashii</i>	Plumbagina-	Forb/herb	C3		

Bertness et al. 2008	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Sap feeder	Invert
Bertness et al. 2008	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Bertness et al. 2009	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Crab	Invert
Bertness et al. 2009	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Bertness et al. 2009	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Crab	Invert
Bowdish and Stiling 1998	Saline	Nitrogen addition	Herbivory	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Sap feeder	Invert
Boyer and Zedler 1996	Saline	Nitrogen addition	Herbivory	<i>Spartina foliosa</i>	Poaceae	Grass	C4	Scale insect	Invert
Boyer et al. 2001	Saline	Nitrogen addition	Productivity	<i>Salicornia virginica</i>	Chenopida- ceae	Forb/herb	C3		
Brewer 2003	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Brown et al. 2006	Saline	salinity	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Cherry et al. 2008	Brackish	salinity	Productivity	<i>Schoenoplectus ameri- canus</i>	Cyperaceae	Grass	C3		
Cherry et al. 2008	Brackish	salinity	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		
Crain 2007	Brackish	Nitrogen addition	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		
Crain 2007	Brackish	salinity	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		
Crain et al. 2004	Brackish	salinity	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		
Crain et al. 2004	Freshwater	salinity	Productivity	<i>Typha augustifolia</i>	Typhaceae	Perennial	C3		
Crain et al. 2004	Saline	salinity	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Crain et al. 2004	Freshwater	salinity	Productivity	<i>Scirpus robustus</i>	Cyperaceae	Grass	C3		
Daehler and Strong 1995	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Sap feeder	Invert
Daehler and Strong 1995	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Sap feeder	Invert
Daleo and Iribarne 2009	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Crab	Invert
Daleo et al. 2009	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Crab	Invert
Darby and Turner 2008	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Osgood and Zieman 1993	Saline	Salinity	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Osgood and Zieman 1994	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
DeLaune et al. 2005	Brackish	Nitrogen addition	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		
DeLaune et al. 2005	Brackish	Salinity	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		
Dormann et al. 2000	Saline	Herbivory	Productivity	<i>Artemesia maritima</i>	Asteraceae	Forb/herb		Multiple herbivores	Vert
Dormann et al. 2000	Saline	Herbivory	Productivity	<i>Plantago maritima</i>	Plantaginaceae	Forb/herb	C3	Multiple herbivores	Vert
Dormann et al. 2000	Saline	Herbivory	Productivity	<i>Atriplex portulacoides</i>	Chenopida- ceae	Forb/herb	C3	Multiple herbivore	Vert
Evers et al. 1998	Freshwater	Herbivory	Productivity	marsh plants combined				Waterfowl	Vert
Evers et al. 1998	Freshwater	Herbivory	Productivity	marsh plants combined				Nutria	Vert
Ewing et al. 1995	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Farina et al. 2009	Saline	salinity	Productivity	<i>Sarcocornia fruticosa</i>	Chenopida-	Succulent	C4		

Farina et al. 2009	Brackish	salinity	Productivity	<i>Spartina densiflora</i>	ceae Poaceae	Grass	C4		
Farina et al. 2009	Brackish	salinity	Productivity	<i>Schoenoplectus californicus</i>	Cyperaceae	Grass	C4		
Farnsworth and Meyer-son 2003	Brackish	salinity	Productivity	<i>Phragmites australis</i>	Poaceae	Grass	C3		
Farnsworth and Meyer-son 2004	Brackish	salinity	Productivity	<i>Typha augustifolia</i>	Typhaceae	Perenial	C3		
Feller and Chamberlain 2007	Saline	Nitrogen addition	Productivity	<i>Rhizophora mangle</i>	Rhi-zophoraceae	Tree	C3		
Feller and Chamberlain 2007	Saline	Nitrogen addition	Herbivory	<i>Rhizophora mangle</i>	Rhi-zophoraceae	Tree	C3	Crab	Invert
Feller and Chamberlain 2007	Saline	Nitrogen addition	Herbivory	<i>Rhizophora mangle</i>	Rhi-zophoraceae	Tree	C3	Leaf miner	Invert
Feller and Chamberlain 2007	Saline	Nitrogen addition	Herbivory	<i>Rhizophora mangle</i>	Rhi-zophoraceae	Tree	C3	Leaf chewers	Invert
Feller and Chamberlain 2007	Saline	Nitrogen addition	Herbivory	<i>Rhizophora mangle</i>	Rhi-zophoraceae	Tree	C3	Budmoth	Invert
Finke and Denno 2005	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Planthopper	Invert
Ford and Grace 1998	Brackish	Herbivory	Productivity	<i>marsh plants combined</i>	Poaceae	Grass			Vert
Frost et al. 2009	Freshwater	Nitrogen addition	Productivity	<i>Zizaniopsis miliacea</i>	Poaceae	Grass	C4		Vert
Furbish and Albano 1994	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		Vert
Furbish and Albano 1994	Saline	Herbivory	Productivity	<i>Distichlis spicata</i>	Poaceae	Grass	C4		Vert
Gauthier et al. 2004	Freshwater	Herbivory	Productivity	<i>Dupontia fisheri</i>	Poaceae	Grass	C3	Ggeese	Vert
Gauthier et al. 2004	Freshwater	Herbivory	Productivity	Grasses	Poaceae	Grass		Geese	Vert
Gedan et al. 2009	Brackish	Herbivory	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4	Nutria	Vert
Gedan et al. 2009	Brackish	salinity	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		Vert
Geho et al. 2007	Brackish	Herbivory	Productivity	<i>Acer rubrum</i>	Aceraceae	Grass	C3		Vert
Geho et al. 2007	Brackish	Herbivory	Productivity	<i>Acorus calamus</i>	Acoraceae	Grass	C3		Vert
Geho et al. 2007	Brackish	Herbivory	Productivity	<i>Cephalanthus occidentalis</i>	Rubiaceae	Tree	C3		Vert
Geho et al. 2007	Brackish	Herbivory	Productivity	<i>Cladium mariscoides</i>	cyperaceae	Grass	C3		Vert
Geho et al. 2007	Brackish	Herbivory	Productivity	<i>Juncus effusus</i>	Juncaceae	Rush	C3		Vert
Geho et al. 2007	Brackish	Herbivory	Productivity	<i>Nyssa aquatica</i>	Cornaceae	Tree	C3		Vert
Geho et al. 2007	Brackish	Herbivory	Productivity	<i>Panicum hemitomon</i>	poaceae	Grass	C3		Vert
Geho et al. 2007	Brackish	Herbivory	Productivity	<i>Peltandra virginica</i>	Aceraceae	Forb/herb	C3		Vert
Geho et al. 2007	Brackish	Herbivory	Productivity	<i>Pontederia cordata</i>	Pontederiaceae	Forb/herb	C3		Vert
Geho et al. 2007	Brackish	Herbivory	Productivity	<i>Rhynchospora inundata</i>	Cyperaceae	Grass	C3		Vert
Geho et al. 2007	Brackish	Herbivory	Productivity	<i>Saururus cernuus</i>	Saururaceae	Forb/herb	C3		Vert
Geho et al. 2007	Brackish	Herbivory	Productivity	<i>Schoenoplectus americanus</i>	Cyperaceae	Sedge	C3		Vert
Geho et al. 2007	Brackish	Herbivory	Productivity	<i>Taxodium distichum</i>	Cupressaceae	Tree	C3		Vert
Geho et al. 2007	Brackish	Herbivory	Productivity	<i>Typha domingensis</i>	Typhaceae	Forb/herb	C3		Vert
Gough and Grace 1998	Brackish	Herbivory	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		Vert
Gough and Grace 1998	Brackish	salinity	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		Vert
Gough and Grace 1998	Brackish	Herbivory	Productivity	<i>Schoenoplectus americanus</i>	Cyperaceae	sedge	C3		Vert
Gough and Grace 1998	Freshwater	salinity	Productivity	<i>Sagittaria lancifolia</i>	Alismataceae	Forb/herb	C3		

Gough and Grace 1998	Brackish	Nitrogen addition	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		
Gough and Grace 1998	Freshwater	Nitrogen addition	Productivity	<i>Sagittaria lancifolia</i>	Alismataceae	Forb/herb	C3		
Gough and Grace 1998	Freshwater	Herbivory	Productivity	<i>Sagittaria lancifolia</i>	Alismataceae	Forb/herb	C3	Vert	
Gratton and Denno 2003	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Guilles Houle et al 1992	Brackish	salinity	Productivity	<i>Aster laurentianus</i>	Asteraceae	Forb/herb			
Gustafson et al. 2006	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Snail	Invert
Ho and Pennings 2008	Brackish	Herbivory	Productivity	<i>Iva frutescens</i>	Asteraceae	Forb/herb	C3	Aphids	Invert
Holdregde et al. 2009	Saline	Herbivory	Herbivory	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Crab	Invert
Holm and Sasser 2001	Freshwater	salinity	Productivity	<i>Sagittaria lancifolia</i>	Alismataceae	Forb/herb	C3		
Howard and Mendelsohn 1999	Brackish	salinity	Productivity	<i>Eleocharis palustris</i>	Cyperaceae	Grass	C3		
Howard and Mendelsohn 1999	Brackish	salinity	Productivity	<i>Panicum hemitomon</i>	Poaceae	Grass	C3		
Howard and Mendelsohn 1999	Brackish	salinity	Productivity	<i>Sagittaria lancifolia</i>	Alismataceae	Forb/herb	C3		
Howard and Mendelsohn 1999	Brackish	salinity	Productivity	<i>Schoenoplectus americanus</i>	Cyperaceae	sedge	C3		
Howard and Rafferty 2006	Saline	salinity	Productivity	<i>Distichlis spicata</i>	Poaceae	Grass	C4		
Howard and Rafferty 2006	Brackish	salinity	Productivity	<i>Schoenoplectus californicus</i>	Cyperaceae	Grass	C4		
Howard and Rafferty 2006	Saline	salinity	Productivity	<i>Schoenoplectus robustus</i>	Cyperaceae	Grass	C3		
Hunter et al. 2008	Saline	Nitrogen addition	Productivity	<i>Salicornia bigelovii</i>	Chenopidiaceae	Forb/herb	C4		
Hunter et al. 2008	Brackish	Nitrogen addition	Productivity	<i>Distichlis spicata</i>	Poaceae	Grass	C4		
Jayatissa et a. 2008	Saline	Salinity	Productivity	Mangrove	Rhizophoraceae	Tree	C3		
Johnson and Jessen 2008	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Grasshopper	Invert
Juan A. Amat 1995	Brackish	Herbivory	Productivity	<i>Scirpus litoralis</i>	Cyperaceae	Sedge	C4	Geese	Vert
Juan A. Amat 1995	Brackish	Herbivory	Productivity	<i>Scirpus maritimus</i>	Cyperaceae	Sedge	C4	Geese	Vert
Kao et al. 2001	Saline	Salinity	Productivity	<i>Kandelia candel</i>	Rhizophoraceae	Tree	C3		
Kao et al. 2001	Saline	Nitrogen addition	Productivity	<i>Kandelia candel</i>	Rhizophoraceae	Tree	C3		
Konisky and Burdick 2004	Saline	salinity	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Konisky and Burdick 2004	Brackish	salinity	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		
Konisky and Burdick 2004	Brackish	salinity	Productivity	<i>Juncus gerardi</i>	Juncaceae	Rush	C3		
Konisky and Burdick 2004	Brackish	salinity	Productivity	<i>Phragmites australis</i>	Poaceae	Grass	C3		

Konisky and Burdick 2004	Brackish	salinity	Productivity	<i>Typha augustifolia</i>	Typhaceae	Perenial	C3		
Konisky and Burdick 2004	Brackish	salinity	Productivity	<i>Lythrum salicaria</i>	Lythraceae	Forb/herb	C3		
Kuhn and Zedler 1997	Saline	Salinity	Productivity	<i>Salicornia subterminalis</i>	Chenopida- ceae	Forb/herb	C3		
Kuhn and Zedler 1997	Brackish	Salinity	Productivity	<i>Polypogon monspeliensi</i>	Poaceae	Grass	C3		
Levine et al. 1998	Brackish	Nitrogen addition	herbivory	<i>Iva frutescens</i>	Asteraceae	Tree	C3		
Levine et al. 1998	Brackish	Nitrogen addition	Productivity	<i>Iva frutescens</i>	Asteraceae	Tree	C3		
Lopex-Hoffman et al. 2007	Saline	salinity	Productivity	<i>Avicennia germinans</i>	Verbenaceae	Tree	C3		
McFarlin et al. 2008	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
McFarlin et al. 2008	Saline	Nitrogen addition	Productivity	<i>Juncus roemerianus</i>	Juncaceae	Rush	C3		
McFarlin et al. 2008	Saline	Nitrogen addition	Herbivory	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Grasshopper	Invert
McFarlin et al. 2008	Saline	Nitrogen addition	Herbivory	<i>Juncus roemerianus</i>	Juncaceae	Rush	C3	Grasshopper	Invert
McHugh and Dighton 2004	Brackish	salinity	Productivity	<i>Spartina cynosuroides</i>	Poaceae	Grass	C4		
McHugh and Dighton 2004	Saline	salinity	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
McKee and Rooth 2008	Saline	Nitrogen addition	Productivity	<i>Avicennia germinans</i>	Verbenaceae	Tree	C3		
McKee and Rooth 2008	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Moon and Stiling 2002	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Moon and Stiling 2002	Brackish	Nitrogen addition	Productivity	<i>Borrachia frutescens</i>	Asteraceae	Shrub	C3		
Moon and Stiling 2004	Brackish	Nitrogen addition	Herbivory	<i>Borrachia frutescens</i>	Asteraceae	Shrub	C3	<i>Pissonotus quadri- pustulatus</i>	Invert
Moon and Stiling 2004	Brackish	Nitrogen addition	Herbivory	<i>Borrachia frutescens</i>	Asteraceae	Shrub	C3	<i>Asphondylia borrichiae</i>	Invert
Moon and Stiling 2004	Brackish	Nitrogen addition	Herbivory	<i>Borrachia frutescens</i>	Asteraceae	Shrub	C3	<i>Argyresthia sp.</i>	Invert
Moon and Stiling 2004	Brackish	Nitrogen addition	Herbivory	<i>Coccoloba uvifera</i>	Polygonaceae	Tree	C3	Leafminer 1	Invert
Moon and Stiling 2004	Brackish	Nitrogen addition	Herbivory	<i>Coccoloba uvifera</i>	Polygonaceae	Tree	C3	Leafminer2	Invert
Moon and Stiling 2004	Brackish	Nitrogen addition	Herbivory	<i>Coccoloba uvifera</i>	Polygonaceae	Tree	C3	<i>Hexeris enhydris</i>	Invert

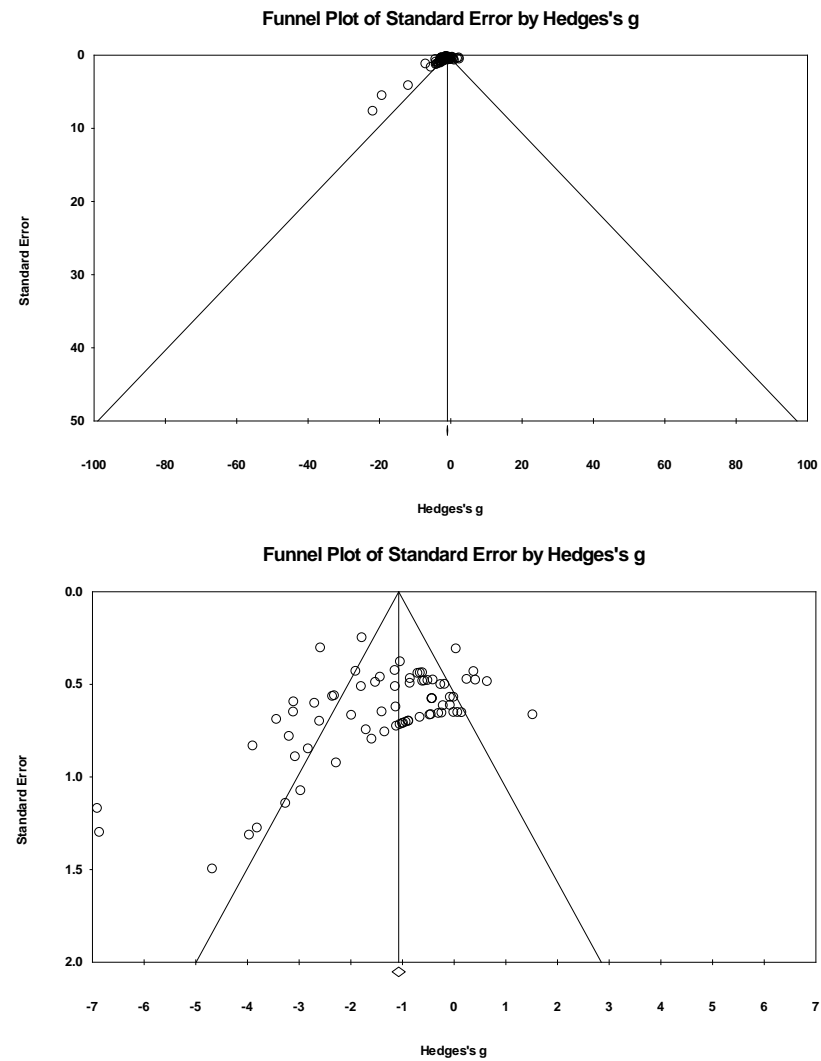
Moon and Stiling 2004	Brackish	Nitrogen addition	Herbivory	<i>Baccharis halimifolia</i>	Asteraceae	Tree	C3	<i>Neolasioptera lathamii</i>	Invert
Moon and Stiling 2004	Brackish	Nitrogen addition	Herbivory	<i>Baccharis halimifolia</i>	Asteraceae	Tree	C3	<i>Liriomyza trifolii</i>	Invert
Moon and Stiling 2004	Brackish	Nitrogen addition	Herbivory	<i>Baccharis halimifolia</i>	Asteraceae	Tree	C3	<i>Amauromyza maculosa</i>	Invert
Cardona-Olarte et al. 2006	Saline	salinity	Productivity	<i>Laguncularia racemosa</i>	Combretaceae	Tree	C3		
Cardona-Olarte et al. 2006	Saline	salinity	Productivity	<i>Rhizophora mangle</i>	Rhizophoraceae	Tree	C3		
Pennings et al. 2002	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Pennings et al. 2002	Saline	Nitrogen addition	Productivity	<i>Juncus roemerianus</i>	Juncaceae	Rush	C3		
Pennings et al. 2002	Brackish	Nitrogen addition	Productivity	<i>Distichlis spicata</i>	Poaceae	Grass	C4		
Pennings et al. 2002	Brackish	Nitrogen addition	Productivity	<i>Salicornia virginica</i>	Chenopidiaceae	Forb/herb	C3		
Pennings et al. 2002	Brackish	Nitrogen addition	Productivity	<i>Borrachia frutescens</i>	Asteraceae	Shrub	C3		
Pennings et al. 2002	Brackish	Nitrogen addition	Productivity	<i>Batis maritima</i>	Bataceae		C3		
Pennings et al. 2002	Brackish	Nitrogen addition	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		
Pennings et al. 2002	Brackish	Nitrogen addition	Productivity	<i>Scirpus olneyi</i>	Cyperaceae	Sedge	C3		
Pennings et al. 2005	Brackish	salinity	Productivity	<i>Juncus roemerianus</i>	Juncaceae	Rush	C3		
Pennings et al. 2005	Saline	salinity	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Pezeshki and DeLaune 1995	Saline	Salinity	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Randall and Foote 2005	Brackish	Herbivory	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		Vert
Randall and Foote 2005	Brackish	Herbivory	Productivity	<i>Schoenoplectus americanus</i>	Cyperaceae	Sedge	C3		Vert
Rickey and Anderson 2004	Brackish	Nitrogen addition	Productivity	<i>Phragmites australis</i>	Poaceae	Grass	C3		
Rickey and Anderson 2004	Brackish	Nitrogen addition	Productivity	<i>Spartina pectinata</i>	Poaceae	Grass	C4		
Sala et al. 2008	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Sala et al. 2008	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Schile and Mopper 2006	Freshwater	salinity	Productivity	<i>Iris hexagona</i>	Iridaceae	Forb/herb	C3		
Silliman and Bertness 2002	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Snail	Invert
Silliman et al. 2005	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Snail	Invert
Silliman and Zieman 2001	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Snail	Invert

Silliman and Zieman 2001	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Slocum and Mendelssohn 2008	Brackish	Herbivory	Productivity	marsh plants combined				Nutria	Vert
Slocum and Mendelssohn 2009	Brackish	Nitrogen addition	Productivity	marsh plants combined					
Spalding and Hester 2007	Freshwater	salinity	Productivity	<i>Panicum hemitomom</i>	Poaceae	Grass	C3		
Spalding and Hester 2007	Freshwater	salinity	Productivity	<i>Sagittaria lancifolia</i>	Alismataceae	Forb/herb	C3		
Spalding and Hester 2007	Brackish	salinity	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		
Stiling and Moon 2002	Brackish	Nitrogen addition	Productivity	<i>Borrachia frutescens</i>	Asteraceae	Shrub	C3		
Stiling and Moon 2005	Brackish	Nitrogen addition	Herbivory	<i>Borrachia frutescens</i>	Asteraceae	Shrub	C3		
Stiling and Moon 2005	Brackish	Salinity	Productivity	<i>Borrachia frutescens</i>	Asteraceae	Shrub	C3		
TA Rand 2004	Brackish	Herbivory	Productivity	<i>Atriplex patula</i>	Chenopida- ceae	Forb/herb	C3	<i>Erynephala maritima</i>	Invert
Tobler et al. 2006	Freshwater	Herbivory	Productivity	<i>Iris hexagona</i>	Iridaceae	Forb/herb	C3	Deer	Vert
Touchette 2006	Brackish	salinity	Productivity	<i>Juncus roemerianus</i>	Juncaceae	Rush	C3		
Traut 2005	Brackish	Nitrogen addition	Productivity	marsh plants combined					
Trnka and Zedler 2000	Saline	Nitrogen addition	Productivity	<i>Spartina foliosa</i>	Poaceae	Grass	C4		
Tyler et al. 2007	Saline	Nitrogen addition	Productivity	<i>Spartina foliosa</i>	Poaceae	Grass	C4		
Tyler et al. 2007	Saline	Nitrogen addition	Productivity	<i>Salicornia virginica</i>	Chenopida- ceae	Forb/herb	C3		
Tyler et al. 2007	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Tyrell et al. 2008	Saline	Herbivory	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4	Snail	Invert
Van Zandt et al. 2003	Freshwater	salinity	Productivity	<i>Iris hexagona</i>	Iridaceae	Forb/herb	C3		
Vasquez et al. 2006	Saline	salinity	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Vasquez et al. 2006	Brackish	salinity	Productivity	<i>Phragmites australis</i>	Poaceae	Grass	C3		
Vince and Valiela 1981	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
Vince and Valiela 1981	Brackish	Nitrogen addition	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		
Wang and Mopper 2008	Freshwater	Herbivory	Productivity	<i>Iris hexagona</i>	Iridaceae	Forb/herb	C3	Deer	Vert
Wang and Mopper 2008	Freshwater	salinity	Productivity	<i>Iris hexagona</i>	Iridaceae	Forb/herb	C3		
White and Alber 2009	Saline	salinity	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4		
White and Alber 2009	Brackish	salinity	Productivity	<i>Spartina cynosuroides</i>	Poaceae	Grass	C4		
Wigand et al. 2004	Brackish	Nitrogen addition	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4		

Wilsey et al. 1992	Saline	Nitrogen addition	Productivity	<i>Spartina alterniflora</i>	Poaceae	Grass	C4
Woo and Zedler 2002	Brackish	Nitrogen addition	Productivity	<i>Typha sp.</i>	Typhaceae	Perennial	C3
Wu et al. 1998	Brackish	Salinity	Productivity	<i>Spartina patens</i>	Poaceae	Grass	C4
Zacheis et al. 2001		Herbivory	Productivity	<i>Carex ramenskii</i>	Cyperaceae	Sedge	C3
Zacheis et al. 2001	Saline	Herbivory	Productivity	<i>Triglochin maritimum</i>	Juncaceae	Grass	C3

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**Figure S1.** Funnel plots of study sizes versus salinity (top) and herbivory (bottom) effect sizes.