

Supplementary Table S4. List of selected publications from the review showing the collection method and targeted biodiversity group used in their assessment of faunal biodiversity associated with pelagic *Sargassum*. Biodiversity groups EF—epiphytic fauna; CF—clinging fauna; FSF—free-swimming fauna.

Publication	Location	Collection method	Biodiversity group
Wells and Rooker (2003)	Gulf of Mexico	Encircling net	FSF
Niermann (1986)	Sargasso Sea	Towed net	EF
Moser et al. (1998)	Gulf Stream	Hand operated net Video recordings	FSF
Fine (1970)	Gulf Stream	Hand operated net	EF, CF, FSF
Casazza and Ross (2008)	Gulf Stream	Towed net Hand operated net Hook and line Video recordings	FSF
Stoner and Greening (1984)	Gulf Stream	Hand operated net	CF, FSF
Bennice and Brooks (2016)	Florida Current	Hand operated net	CF, FSF
Hoffmayer et al. (2005)	Gulf of Mexico	Towed nets	FSF
Monroy-Velázquez et al. (2019)	Gulf Stream	Hand operated net	CF, FSF
Ryland (1974)	Bermuda	Hand operated net	EF
Huffard et al. (2014)	Sargasso Sea	Hand operated net	EF, CF, FSF
Wells and Rooker (2004)	Gulf of Mexico	Encircling net	FSF
Settle (1993)	Western Atlantic	Towed nets Hand operated net	FSF
Bortone et al. (1977)	Gulf of Mexico	Hand operated net Towed net	FSF
Schell et al. (2016)	Wider Caribbean	Hand operated net	CF, FSF