

Supplementary Table S1. Monosaccharide composition in the non-cellulosic fraction of pelagic *Sargassum* biomass harvested at different locations in the Caribbean.

		Mexico (July 2020)	Mexico (January 2021)	Dominican Republic (February 2021)	Jamaica (August 2020)	Jamaica (February 2019)
<i>Neutral monosaccharides</i>	Mannitol	0.88 ± 0.13	0.85 ± 0.34	2.22 ± 1.82	18.89 ± 0.38	1.62 ± 0.86
	Fucose	14.37 ± 1.35	18.29 ± 0.29	18.99 ± 1.40	13.90 ± 0.46	17.27 ± 2.29
	Arabinose	0.71 ± 0.17	3.30 ± 0.52	1.20 ± 0.28	1.32 ± 0.11	1.26 ± 0.23
	Rhamnose	0.89 ± 0.03	2.17 ± 0.17	1.21 ± 0.12	0.64 ± 0.07	1.54 ± 0.32
	Galactose	6.31 ± 0.62	6.94 ± 0.78	9.91 ± 1.14	6.43 ± 0.34	12.41 ± 1.29
	Glucose	3.36 ± 0.14	5.26 ± 0.27	4.29 ± 2.45	5.65 ± 0.29	5.40 ± 0.89
	Xylose	5.73 ± 0.69	5.15 ± 0.25	8.83 ± 0.36	3.92 ± 0.23	5.50 ± 1.07
	Mannose	1.15 ± 0.15	2.03 ± 0.23	0.80 ± 0.09	2.44 ± 0.02	4.58 ± 0.21
<i>Uronic acids</i>	Galacturonic Acid	3.16 ± 0.41	0.54 ± 0.06	5.11 ± 0.96	0.08 ± 0.02	0.61 ± 0.32
	Glucuronic Acid	0.40 ± 0.03	20.75 ± 2.07	0.55 ± 0.11	13.78 ± 1.41	8.71 ± 2.55
	Guluronic Acid	1.95 ± 0.40	16.18 ± 2.48	3.30 ± 0.27	19.37 ± 1.66	47.24 ± 14.60
	Mannuronic Acid	11.66 ± 2.66	50.05 ± 6.26	21.33 ± 1.02	50.45 ± 3.65	87.83 ± 31.54
Total		50.54 ± 5.28	131.51 ± 11.75	77.75 ± 2.46	136.85 ± 8.25	193.98 ± 55.05

Results are expressed as mg / g of biomass DW. Values for Jamaica (February 2019) have been reported by Davis et al. (2021) [10].