

Supplementary material

Communication

Fatty Acid Profile and *Escherichia coli* and *Salmonella* sp. Load of Wild-Caught Seaweed Fly *Fucellia maritima* (Haliday, 1838) (Diptera: Anthomyiidae)

Table S1. Raw data of relative abundance (%) of fatty acids (FAs) present in the adult flies of *Fucellia maritima*. Each Area is one replicate.

Peaks	Area 1	Area 2	Area 3	Area 4	Area 5	Mean	Deviation
C12:0	0.01	0.10	0.05	NA	0.05	0.04	0.04
C14:0	0.68	1.51	1.17	0.37	0.90	0.93	0.44
C14:1	0.26	0.39	0.18	0.08	0.25	0.23	0.11
C15:0	0.16	0.41	0.48	0.34	0.37	0.35	0.12
C15:1	NA	0.14	0.11	NA	0.23	0.10	0.10
C16:0	14.62	15.61	16.89	11.82	15.45	14.88	1.89
C16:1	31.11	36.95	31.33	33.80	41.42	34.92	4.33
C17:0	0.14	0.23	0.34	0.29	0.13	0.23	0.09
C17:1	0.65	1.26	1.21	1.42	1.69	1.25	0.38
C18:0	2.72	2.23	2.89	2.34	1.73	2.38	0.45
C18:1	33.39	29.27	28.03	32.36	28.93	30.40	2.34
C18:2	5.21	2.66	3.72	3.73	1.71	3.40	1.31
C18:3	2.43	2.91	5.55	5.00	1.05	3.39	1.86
C20:4	1.70	0.91	0.95	0.97	0.97	1.10	0.34
C20:5	6.67	4.99	6.87	7.14	4.66	6.07	1.15
w3	9.10	7.91	12.41	12.14	5.70	9.45	1.23
w6	6.91	3.57	4.67	4.70	2.68	4.51	0.91
w6/w3	0.76	0.45	0.38	0.39	0.47	0.49	0.14

Table S2. Raw data of the quantification of phospholipids present in the adult flies of *Fucellia maritima*

		Average	ug P	ug lipid	Sum	%
F. maritima_1	CL	0.1476	0.2148	5.3695	59.3485	9.0548
	PA	0.0712	0.0446	1.1146		1.8796
	PC	0.2366	0.4132	10.3294		17.4188
	PE	0.6922	1.4289	35.7222		60.2399

F. maritima_2	PI	0.1140	0.1399	3.4970		5.8971
	PS	0.1107	0.1326	3.3159		5.5917
	CL	0.1312	0.1782	4.4555	58.3649	7.6293
	PA	0.0741	0.0509	1.2734		2.1805
	PC	0.2277	0.3933	9.8334		16.8380
	PE	0.6944	1.4338	35.8449		61.3782
	PI	0.1125	0.1365	3.4134		5.8449
	PS	0.1148	0.1418	3.5444		6.0691
