

Table S5. Raw data of relative abundance (%) of fatty acids (FAs) present in the sh for each FA present in the four locations sampled: Ria de Aveiro (RAv, n = 30); Mo Ria Formosa (RF, n = 27).

Samples	C14:0	C16:0	C16:1	C17:0	C18:0	C18:1 <i>n</i> -9	C18:2 <i>n</i> -6
RAv1	0,2505	18,959	0,9717	0,2541	5,54805	2,304835	25,36313
RAv2	0,4374	17,5559	1,1775	0,41	6,05942	2,905931	27,73148
RAv3	0,2787	17,9457	0,8825	0,3191	4,04728	3,108981	26,11638
RAv4	0,2258	18,004	1,0268	0,2726	3,90664	2,42496	23,36096
RAv5	0,2118	17,454	0,8996	0,2119	5,43848	1,953384	21,09708
RAv6	0,2887	19,647	0,7768	0,3301	10,3151	2,728328	21,31459
RAv7	0,3385	17,1059	0,9947	0,0852	6,8278	2,750374	24,28139
RAv8	0,2646	18,2208	1,0375	0,2681	4,42226	2,46171	24,66797
RAv9	0,2085	17,3198	1,2283	0,3094	3,98769	2,421711	22,74358
RAv10	0,3378	21,5837	1,2117	0,2875	6,25216	2,675633	28,1809
RAv11	0,2866	16,0399	0,8742	0,3029	4,90054	3,005967	24,85145
RAv12	0,3041	19,8409	0,9598	0,2138	14,4714	2,226053	21,31955
RAv13	0,3277	18,1588	1,1471	0,3418	6,7926	2,856474	24,6489
RAv14	0,3664	21,5272	1,024	0,2822	6,32556	1,118283	21,87185
RAv15	0,2678	16,6238	0,9603	0,2861	3,26287	2,955637	28,97403
RAv16	0,3375	18,8841	1,1415	0,3154	3,94287	2,993473	30,85143
RAv17	0,156	17,8585	0,9232	0,1739	3,9975	2,36737	25,3523
RAv18	0,2182	18,169	0,9228	0,2021	2,75635	2,062332	27,67208
RAv19	0,294	17,3419	0,6591	0,259	6,11404	3,301502	20,8176
RAv20	0,1683	16,6231	0,8782	0,2402	3,41013	2,633683	26,9415
RAv21	0,1853	14,6162	0,8615	0,2	3,27477	2,758132	27,07385
RAv22	0,2124	18,0472	0,9116	0,1709	3,4223	2,765408	23,47856
RAv23	0,2424	19,2497	0,9741	0,2333	3,55179	3,078711	24,57577
RAv24	0,213	16,9527	0,8688	0,2392	2,98122	2,319496	24,13913
RAv25	0,1947	16,0686	0,8475	0,2482	4,39473	3,125956	26,6629
RAv26	0,215	19,1204	0,9783	0,2285	3,68621	2,675325	25,79908
RAv27	0,3241	20,6728	0,9416	0,3219	7,33944	2,470652	24,15631
RAv28	0,2286	16,9842	1,0532	0,2352	3,33223	1,651817	21,72264
RAv29	0,2042	19,1354	1,1054	0,2482	3,59572	2,990791	28,1578
RAv30	0,2433	17,1026	1,0405	0,3095	4,7162	3,158394	27,54908
ME1	0,6557	19,8021	0,562	0,2232	4,9088	3,906136	22,45562
ME2	0,7455	21,8052	0,449	0,359	10,5638	3,062691	18,60044
ME3	1,0484	25,4845	0,4147	0,2499	7,01489	4,221838	17,81308
ME4	0,6583	21,3714	0,6354	0,1779	4,84676	2,854413	22,263
ME5	0,7033	19,695	0,4735	0,166	4,31696	3,895569	20,655
ME6	0,7763	20,7952	0,5543	0,4239	10,8936	4,653374	17,38097
ME7	0,4298	18,0745	0,6956	0,1983	3,70403	2,536678	25,43714
ME8	0,7062	21,4336	0,8032	0,3252	5,96233	2,608441	23,4647
ME9	0,8621	20,9934	0,5652	0,294	5,83374	3,602919	19,99865
ME10	0,4837	19,9306	0,5863	0,5828	13,9527	2,633567	19,07432
ME11	0,4577	19,5185	0,6471	0,175	4,84975	3,663611	21,93372
ME12	0,6805	20,4152	0,6634	0,2391	6,43259	3,520461	21,82715
ME13	0,5038	18,4659	0,4221	0,3076	5,28472	2,52433	20,98321

ME14	0,5642	18,7399	0,493	0,2179	4,39027	3,059498	23,95496
ME15	0,5472	19,0789	0,6369	0,1666	5,37108	2,631681	24,14692
ME16	0,4714	20,9689	0,652	0,3457	15,5459	1,938726	19,38988
ME17	0,4992	20,5806	0,7766	0,407	7,23592	2,406076	24,85154
ME18	0,3727	17,6667	0,5758	0,2067	4,55273	6,935221	28,2839
ME19	0,665	22,2846	0,5741	0,1869	5,51295	4,81106	24,09461
ME20	0,4085	18,2632	0,7916	0,2758	5,01232	4,527927	26,49985
ME21	0,4551	19,9482	0,5474	0,1663	4,89966	2,636704	23,7875
ME22	0,3544	18,7221	0,7108	0,2377	4,52532	2,254447	25,0923
ME23	0,4288	18,8535	0,72	0,3655	3,95205	3,19785	23,38807
ME24	0,3949	18,3176	0	0,2401	4,47477	5,426779	24,73262
ME25	0,4774	19,0139	0,6107	0,2965	11,4148	2,611066	21,84152
ME26	0,6688	20,2261	0,6082	0,407	6,2007	3,952024	23,56004
ME27	0,8385	22,8307	0,7464	0,5054	13,638	3,14056	19,78568
ME28	0,4954	19,0053	0,753	0,2897	5,48729	2,295291	24,86016
ME29	0,8723	22,18	0,5209	0,2737	5,98671	3,874044	20,93279
ME30	0,6464	20,0586	0,6676	0,3093	6,1105	2,557364	22,39439
TE1	0,5068	23,5624	1,0447	0,5668	14,0129	1,835858	16,12853
TE2	0,3928	18,3599	0,8026	0,4243	6,44218	1,350262	15,60679
TE3	0,3737	19,373	0,7763	0,4563	5,48433	1,851908	17,38899
TE4	0,3879	20,6896	1,2095	0,3496	5,61504	1,71826	18,39131
TE5	0,3743	20,1831	1,1549	0,2003	6,80815	1,91631	17,56924
TE6	0,4085	21,6941	1,1659	0,5629	14,8715	1,616342	17,79849
TE7	0,2396	19,0245	0,9643	0,1948	7,51205	0,832693	13,62522
TE8	0,3804	21,2025	0,9838	0,372	7,18198	1,661725	16,9821
TE9	0,3763	20,9528	1,1753	0,487	7,48192	1,801221	19,76225
TE10	0,4127	20,989	0,9288	0,5866	12,9884	1,845998	16,60976
TE11	0,3076	19,3841	0,8169	0,3097	5,35919	1,620446	16,01439
TE12	0,3103	17,4615	0,7939	0,393	6,54945	1,348334	16,98724
TE13	0,2053	19,3235	1,0074	0,1718	4,45149	1,074482	16,22861
TE14	0,2574	20,8633	0,8306	0,2468	7,55799	1,424125	15,91589
TE15	0,3449	22,2305	0,9041	0,2308	10,6237	1,163339	15,30865
TE16	0,3817	19,7226	1,0999	0,3751	9,24716	1,445461	17,07918
TE17	0,2987	20,8962	1,0018	0,4717	10,4223	1,633338	16,61516
TE18	0,3689	21,3383	0,9139	0,4931	14,3902	1,693915	15,44572
TE19	0,3578	20,9778	0,8977	0,4187	12,0527	1,568394	17,76567
TE20	0,2644	19,0472	1,087	0,4019	4,84676	1,76956	19,12416
TE21	0,2935	17,3954	0,7809	0,4478	3,70153	2,094415	18,7196
TE22	0,2496	18,3727	0,929	0,4399	3,95619	2,230696	21,04015
TE23	0,3253	20,4951	0,8401	0,2024	6,37359	1,853362	16,77882
TE24	0,358	19,0243	0,9383	0,3368	9,04097	1,366582	14,23619
TE25	0,4872	22,0096	0,8433	0,671	13,3309	2,30938	18,91081
TE26	0,407	18,4784	0,8221	0,4481	4,72143	2,354302	18,35138
TE27	0,2913	18,1039	1,0978	0,3347	4,29822	1,491577	17,51778
TE28	0,3952	21,3353	0,8117	0,5241	15,9336	1,189505	14,57473
TE29	0,3952	21,3353	0,8117	0,5241	15,9336	1,189505	14,57473
TE30	0,4239	24,0632	1,0343	0,5525	19,2201	2,07549	15,2744
RF1	0,2458	21,4474	1,1892	0,3522	15,589	0,65471	14,07059
RF2	0,1801	17,9431	1,2185	0,2363	6,46966	0,64125	18,38077
RF3	0,1494	18,2217	1,5834	0,1418	5,85077	1,352778	18,2676

RF4	0,1428	18,3996	1,6412	0,1746	5,03393	0,956293	17,50727
RF5	0,1906	19,0615	1,2595	0,3487	10,4245	1,108395	16,82764
RF6	0,1799	19,1423	1,337	0,199	7,584	0,795183	17,30951
RF7	0,1032	17,6669	1,372	0,1482	3,9596	0,903854	18,65078
RF8	0,1902	19,7699	1,5596	0,3501	16,9555	1,677178	14,57195
RF9	0,1152	18,5002	1,7362	0,1735	3,73889	0,925173	17,60355
RF10	0,0918	17,642	1,4886	0,134	3,40711	0,748044	18,65808
RF11	0,1979	21,4243	1,2707	0,3482	15,7322	0,591021	14,95516
RF12	0,1777	20,4732	1,4792	0,2184	8,95598	0,652595	15,86448
RF13	0,12	18,0024	1,4053	0,1372	5,04599	0,657946	18,35991
RF14	0,0905	18,6933	1,9089	0,1542	4,77973	1,091584	16,99858
RF15	0,1781	20,0235	1,7003	0,1254	5,10734	1,636923	17,38559
RF16	0,1665	19,7911	1,8598	0,1435	4,70728	0,870063	17,72434
RF17	0,1369	17,7805	1,6433	0,185	5,2443	0,728587	18,30634
RF18	0,1479	19,2064	2,069	0,148	3,61905	0,960206	17,00871
RF19	0,1168	17,8732	1,6963	0,2761	3,8249	0,749867	18,0833
RF20	0,1723	18,7725	1,5147	0,2873	11,1002	0,733064	15,76176
RF21	0,1648	18,9625	1,8068	0,1922	5,40698	0,861105	16,59878
RF22	0,1238	17,7806	1,8783	0,1798	3,55144	0,797851	17,70012
RF23	0,178	19,0828	1,5024	0,162	6,57535	0,768235	16,44847
RF24	0,196	20,0982	1,4138	0,3369	14,8194	1,103136	15,01567
RF25	0,1584	19,0834	1,7016	0,2447	4,22137	0,855473	19,04165
RF26	0,1516	18,9293	1,7722	0,2186	6,46351	0,875406	17,29107
RF27	0,2312	20,4803	1,6487	0,2172	4,62386	0,710329	18,32639

oots of *Salicornia ramosissima* and their respective variation
 ndego estuary (ME, n = 30); Tagus estuary (TE, n = 30); and

C18:3n-3	C20:0	C22:0	EPOXI (9,10-epoxy-octadecanoic acid)	C24:0
44,38465	0,8451	0,6883	0	0,43065
42,08603	0,3166	0,6104	0	0,70943
45,27984	0,6104	0,7528	0	0,65829
49,27018	0,5908	0,0814	0	0,83577
50,74618	0,4424	0,6854	0	0,85969
43,66258	0,2192	0,0757	0	0,64174
45,85636	0,6129	0,6217	0	0,52513
47,02439	0,3902	0,282	0	0,96035
49,81531	0,6378	0,3301	0	0,99785
36,93291	0,8816	0,4959	0	1,16023
47,35549	0,6831	0,8583	0	0,84140
39,71134	0,3158	0,1728	0	0,46451
43,07664	0,885	0,7735	0	0,99147
45,77725	0,3424	0,5406	0	0,82429
44,0505	0,6099	0,95	0	1,05907
39,31524	0,3698	0,4402	0	1,40840
47,80561	0,4842	0,2103	0	0,67115
47,19103	0,2473	0,2881	0	0,27060
49,04386	0,7873	0,7667	0	0,61499
47,59185	0,3471	0,2812	0	0,88475
48,83885	0,6346	0,7387	0	0,81807
48,55464	0,5988	0,7417	0	1,09647
46,18523	0,5592	0,5094	0	0,84031
50,30025	0,652	0,6765	0	0,65778
47,21402	0,2624	0,2059	0	0,77525
44,99033	0,602	0,8105	0	0,89447
42,39963	0,2786	0,3051	0	0,78990
53,19038	0,4585	0,4823	0	0,66098
42,6847	0,4779	0,6937	0	0,70622
43,32212	0,6013	0,8934	0	1,06355
39,21032	0,7606	0,673	5,80318	1,03942
35,7953	0,5829	0,6442	6,30855	1,08347
37,19955	0,5553	1,0107	3,32258	1,66456
37,51185	0,511	0,6436	7,37462	1,15176
36,83443	0,43	0,5213	11,12909	1,17982
33,91359	0,5898	0,8824	8,15806	0,97853
44,47739	0,7604	0,8498	1,51332	1,32311
40,66791	0,7419	1,3067	0,83171	1,14807
31,97199	0,7204	1,6479	12,15427	1,35542
37,57815	0,5052	0,563	3,36529	0,74438
38,02072	0,4641	0,6821	6,12840	3,45929
36,54886	0,7161	1,2065	6,61845	1,13170
38,65046	0,6826	0,8162	9,71948	1,63954

39,47194	0,7716	1,5433	5,00091	1,79256
38,26455	0,4543	0,642	6,62546	1,43449
39,92013	0,3579	0,4095	0,00000	0,00000
40,42394	0,29	0,6814	0,94864	0,89903
37,2407	0,786	1,1382	0,68181	1,55952
37,0566	0,6052	1,3128	1,21549	1,68065
40,98866	0,8391	1,0192	0,00000	1,37382
44,02106	0,7846	1,0328	0,53354	1,18721
45,20204	0,8154	0,9687	0,00000	1,11692
46,60067	0,4612	0,8343	0,00000	1,19805
42,01123	0,9453	1,1985	0,81209	1,44605
39,5428	0,626	0,8857	1,31178	1,36792
33,73434	0,6136	1,6611	6,76857	1,59953
34,10463	0,6436	1,6155	0,57435	1,57668
40,76496	0,6622	1,1596	3,17182	1,05527
35,80716	0,6325	1,3933	6,02064	1,50591
40,40321	0,7091	1,0046	4,10639	1,03267
40,21428	0,7093	0,806	0	0,61249
54,68423	0,4862	0,7572	0	0,69345
51,36978	0,6623	1,2966	0	0,96687
49,59394	0,654	0,7202	0	0,67063
48,3766	0,6552	1,4789	0	1,28301
39,79157	0,5839	0,7319	0	0,77487
56,95848	0,0915	0,138	0	0,41878
48,94609	0,317	0,7246	0	1,24789
45,93836	0,5046	0,8548	0	0,66548
44,09638	0,4365	0,6269	0	0,47895
54,56539	0,3647	0,5762	0	0,68143
54,79737	0,4409	0,5622	0	0,35578
56,21535	0,153	0,4883	0	0,68074
51,98823	0,1432	0,6488	0	0,12363
48,09487	0,1851	0,2839	0	0,63016
48,20447	0,5832	0,9189	0	0,94230
46,00858	0,8155	0,8582	0	0,97852
43,60914	0,7366	0,6161	0	0,39402
43,09359	1,0077	0,9728	0	0,88715
52,07664	0,3653	0,6053	0	0,41176
53,87481	0,8501	0,989	0	0,85296
50,60149	0,5325	0,889	0	0,75874
50,32736	0,6718	0,9921	0	1,14000
53,91214	0,3422	0,1976	0	0,24682
39,91404	0,2117	0,5443	0	0,76771
51,53226	0,4885	1,1189	0	1,27760
54,53038	0,5812	0,8722	0	0,88101
44,34642	0,185	0,4505	0	0,25395
44,34642	0,185	0,4505	0	0,25395
35,79266	0,5591	0,4874	0	0,51672
44,31615	0,6056	0,5573	0	0,97206
51,91179	0,7219	0,7963	0	1,50030
51,28261	0,705	0,8095	0	1,63538

53,18607	0,5428	0,1162	0	2,29925
48,0166	0,6051	0,8285	0	1,32891
50,05194	0,34	0,9049	0	2,15630
54,31166	0,5781	0,8557	0	1,44994
42,08237	0,541	0,676	0	1,62619
54,19809	0,6665	0,8587	0	1,48410
54,61162	0,4275	0,8853	0	1,90599
43,47516	0,5382	0,5094	0	0,95773
50,40256	0,586	0,5664	0	0,62356
53,87475	0,5262	0,6	0	1,27035
54,35046	0,4767	0,2834	0	1,17264
50,36626	0,6105	0,9555	0	1,91059
52,3218	0,4678	0,7146	0	1,23320
52,97471	0,5421	0,6548	0	1,80350
54,35576	0,5539	0,4909	0	1,44024
54,00997	0,5985	0,7979	0	1,97315
48,9212	0,5521	0,6518	0	1,53307
53,8042	0,5438	0,6165	0	1,04216
55,59048	0,519	0,6002	0	1,27854
52,67148	0,5304	0,7718	0	1,30903
44,8523	0,5445	0,2661	0	1,35395
52,21205	0,5905	0,363	0	1,52783
51,51045	0,5941	0,6772	0	1,51660
51,80642	0,3065	0,3576	0	1,29151