

S1_Table. Data of fatty acids profile of *S. marianum*, *S. eburneum*, and commercial *S. marianum* seed oils (%)

Fatty acids	<i>S. marianum</i>			<i>S. eburneum</i>			<i>S. marianum</i> commercial (Compagnie des sens)		
	1	2	3	1	2	3	1	2	3
SFA									
<i>Lauric acid (C12:0)</i>	1.466	0.010	0.738	1.345	0.010	0.678	0.010	0.011	0.010
<i>Myristic Acid (C14:0)</i>	0.086	0.096	0.091	0.126	0.055	0.090	0.100	0.105	0.095
<i>Pentadecylic acid (C15:0)</i>	0.020	0.027	0.024	0.021	0.024	0.023	0.010	0.011	0.010
<i>Palmitic acid (C16:0)</i>	17.553	8.627	13.090	13.822	11.601	12.712	9.120	9.576	8.664
<i>Margaric acid (C17:0)</i>	0.049	0.098	0.074	0.060	0.075	0.068	0.080	0.084	0.076
<i>Stearic acid (C18:0)</i>	5.200	5.397	5.299	7.637	3.063	5.350	13.510	14.186	12.835
<i>Arachidic acid (C20:0)</i>	1.376	3.170	2.273	2.710	1.314	2.012	3.770	3.959	3.582
<i>Heneicosanoic acid (C21:0)</i>	0.023	0.010	0.017	0.030	0.010	0.020	0.010	0.011	0.010
<i>Behenic acid (C22:0)</i>	0.339	2.295	1.317	0.948	0.589	0.768	2.690	2.825	2.556
<i>Lignoceric acid(C24:0)</i>	0.104	0.451	0.277	0.323	0.120	0.222	0.730	0.767	0.694
ΣSFA	26.216	20.183	23.199	27.022	16.863	21.942	30.030	31.532	28.529
UFA									
MUFA									
<i>(Z)-7-hexadecenoic acid (C16:1 n-9)</i>	0.019	0.022	0.020	0.016	0.000	0.008	0.070	0.074	0.067
<i>Palmitoleic acid (C16:1 n-7)</i>	0.077	0.093	0.085	0.063	0.093	0.078	0.010	0.011	0.010
<i>Margaric acid (C17:1)</i>	0.020	0.010	0.015	0.026	0.010	0.018	0.020	0.021	0.019
<i>Oleic acid (C18:1 n-9)</i>	6.022	27.936	16.979	8.905	17.660	13.282	24.790	26.030	23.551
<i>Trans-vaccenic acid (C18:1 n-7)</i>	0.963	0.813	0.888	0.897	0.722	0.809	0.720	0.756	0.684
<i>Cis-11-eicosenoic acid (C20:1 n-9)</i>	0.204	0.786	0.495	0.467	0.277	0.372	0.950	0.998	0.903
<i>C24:1 n-9</i>	0.058	0.010	0.034	0.023	0.010	0.017	0.010	0.011	0.010
ΣMUFA	7.363	29.671	18.517	10.397	18.771	14.584	26.570	27.899	25.242
PUFA									

<i>Linoleic acid (C18:2 n-6)</i>	59.435	50.014	54.725	45.070	63.995	54.532	37.370	39.239	35.502
<i>α-linolenic acid (C18:3n-3)</i>	0.010	0.173	0.091	0.010	0.412	0.211	0.320	0.336	0.304
<i>γ-linolenic acid (C18:3 n-6)</i>	1.970	0.010	0.990	0.500	0.010	0.255	0.010	0.011	0.010
<i>Dihomo-gamma- linolenic acid (C20:2 n-6)</i>	0.042	0.010	0.026	0.050	0.010	0.030	0.010	0.011	0.010
ΣPUFA	61.457	50.207	55.832	45.630	64.427	55.028	37.710	39.596	35.825
ΣUFA	68.820	79.878	74.349	56.027	83.198	69.613	64.280	67.494	61.066