

**Table S2:** Tocopherol (a-tocopherol, beta-tocopherol, delta tocopherol) composition of Amaranth seed oil collected from Italian wild habitats. AVG: Average value, SD: Standard deviation.

		a-tocopherol ppm		beta-tocopherol ppm		delta-tocopherol ppm	
Species	Region	AVG	SD	AVG	SD	AVG	SD
<i>A. cruentus</i> L.	VEN	14	12.76	21	11.94	117	69.67
<i>A. hybridus</i> L.	FVG	12	21.64	26	10.17	289	233.58
<i>A. hybridus</i> L.	PIE	0	0.00	31	4.05	39	23.51
<i>A. hybridus</i> L.	VEN	0	0.00	21	10.25	194	144.05
<i>A. hypochondriacus</i> L.	VEN	12	20.18	29	4.95	99	45.83
<i>A. hypochondriacus</i> L.	LAZ	0	0.00	26	11.68	123	5.31
<i>A. muricatus</i> (Gillies ex Moq.) Hieron.	MOL	0	0.00	158	234.34	200	177.72
<i>A. tuberculatus</i> (Moq.) J.D. Sauer.	MAR	0	0.00	11	6.53	212	156.74
<i>A. viridis</i> L.	CAM	6	10.91	13	21.84	197	224.29