Supplementary Information

Table S1. Chemical composition of soils associated with *Scolymus Hispanicus L.* as determined by X-Ray Fluorescence.

Element (%)	1	2	3	4	5	6	7	8	9
Al	2.8	3.0	6.5	9.3	7.8	7.1	7.8	7.2	7.2
As	0.030	0.039	0.094	< 0.005	0.018	< 0.005	0.015	0.047	0.029
Ba	0.035	0.053	0.052	0.055	0.059	0.048	0.045	< 0.002	0.051
Bi	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.0071	< 0.0005	0.021	< 0.0005
Br	0.0036	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ca	8.0	9.0	3.6	1.2	2.5	3.0	1.4	2.6	1.9
Cd	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ce	0.042	< 0.0025	< 0.0025	0.032	0.030	0.031	0.029	0.042	0.028
Cl	0.026	0.033	0.016	0.021	0.025	0.023	0.025	0.026	0.019
Co	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	0.015	0.0047
Cr	0.013	0.014	0.050	0.021	0.045	0.027	0.035	0.056	0.035
Cs	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cu	0.44	0.56	0.65	0.023	0.085	0.46	0.071	0.73	0.24
Fe	3.4	3.6	3.5	3.1	2.8	3.5	2.8	5.3	3.0
Ga	< 0.0005	< 0.0005	0.0056	< 0.0005	0.0038	0.0037	< 0.0005	< 0.0005	< 0.0005
K	1.5	1.6	3.2	3.2	3.5	3.5	3.3	3.9	3.6
Mg	0.69	0.81	1.1	0.84	0.77	1.0	0.79	1.0	0.93
Mn	0.23	0.20	0.064	0.045	0.044	0.086	0.055	0.12	0.065
Mo	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Na	0.29	0.31	0.94	1.4	1.4	0.69	1.1	0.79	1.1
Nb	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0020	< 0.0010
Nd	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ni	0.0065	< 0.0003	0.0031	0.0026	0.0031	0.0051	0.0031	0.0049	0.0059
O	23	25	36	41	41	37	39	37	38
P	1.2	1.5	0.27	0.1	0.11	0.39	0.18	0.45	0.19
Pb	0.059	< 0.005	0.011	0.012	0.0093	0.031	0.012	< 0.005	0.027
Rb	0.029	0.032	0.039	0.029	0.027	0.041	0.033	0.045	0.036
S	0.63	0.68	0.27	0.02	0.083	0.22	0.11	0.31	0.15
Si	11	11	21	25	26	22	25	21	23
Sm	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Sn	< 0.005	0.021	0.02	< 0.005	< 0.005	0.027	< 0.005	0.059	0.0080
Sr	0.04	0.040	0.011	0.011	0.011	0.011	0.01	0.014	0.0089
Ti	0.26	0.28	0.26	0.36	0.28	0.30	0.32	0.37	0.32
Tl	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
U	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.015	< 0.005
V	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.008	< 0.005
W	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.013	< 0.005
Y	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.013	< 0.005
Zn	0.047	0.053	0.011	0.0062	0.0086	0.010	0.012	0.029	0.010
Zr	0.023	0.025	0.013	0.016	0.013	0.019	0.019	0.025	0.017

Table S2. Chemical composition of soils associated with *Eryngium Campestre L.* as determined by X-Ray Fluorescence.

Element (%)	10	11	12	13	14
Al	7.9	8.5	8.2	8.0	8.7
As	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ba	0.046	0.057	0.048	0.050	0.048
Bi	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Br	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ca	0.86	0.75	0.59	0.64	0.33
Cd	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ce	0.027	0.028	0.026	0.027	0.024
Cl	0.026	0.023	0.022	0.016	0.013
Co	< 0.0025	0.0040	< 0.0025	< 0.0025	< 0.0025
Cr	0.034	0.036	0.033	0.040	0.031
Cs	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cu	0.0077	0.017	0.0052	0.0080	0.015
Fe	2.3	2.8	2.5	2.7	2.8
Ga	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.0032
K	3.8	4.1	3.6	4.1	4.0
Mg	0.69	0.67	0.71	0.84	0.81
Mn	0.045	0.056	0.026	0.092	0.14
Mo	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Na	1.1	1.3	0.78	1.0	1.5
Nb	< 0.0010	< 0.0010	0.0013	< 0.0010	< 0.0010
Nd	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ni	0.0026	0.0027	0.0028	0.0040	0.0030
O	40	41	42	39	42
P	0.1	0.094	0.072	0.13	0.12
Pb	< 0.005	0.0093	< 0.005	0.011	< 0.005
Rb	0.034	0.043	0.031	0.042	0.041
S	0.053	0.036	0.048	0.057	0.026
Si	26	26	27	25	27
Sm	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Sn	< 0.005	< 0.005	< 0.005	< 0.005	0.017
Sr	0.0078	0.0076	0.0078	0.0076	0.0055
Ti	0.35	0.33	0.35	0.42	0.32
Tl	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
U	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
V	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
W	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Y	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zn	0.0047	0.0047	0.0081	0.0082	0.013
Zr	0.022	0.021	0.029	0.020	0.016

Table S3. Chemical composition of soils associated with *Chenopodium Vulvaria L.* as determined by X-Ray Fluorescence.

Element (%)	15	16	17	18	19	20	21
Al	3.2	4.6	7.9	4.6	7.3	7.7	7.6
As	< 0.005	< 0.005	0.0065	< 0.005	< 0.005	< 0.005	< 0.005
Ba	0.067	0.060	0.056	0.055	0.047	0.044	0.052
Bi	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Br	< 0.0005	< 0.0005	0.0025	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ca	11	5.8	1.3	5.4	2.3	1.2	1.2
Cd	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ce	< 0.0025	< 0.0025	0.026	< 0.0025	0.034	0.027	0.029
Cl	0.030	0.029	0.029	0.025	0.019	0.024	0.019
Co	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cr	0.036	0.052	0.03	0.038	0.046	0.047	0.022
Cs	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cu	0.049	0.046	0.018	0.040	0.012	0.062	0.078
Fe	2.4	2.6	2.5	2.4	2.6	2.7	2.7
Ga	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.0051	< 0.0005
K	1.8	2.4	3.8	2.5	3.4	3.8	3.8
Mg	1.2	0.78	0.79	0.90	0.66	0.71	0.79
Mn	0.14	0.10	0.06	0.088	0.047	0.051	0.064
Mo	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Na	0.58	0.93	1.5	0.9	1.3	1.3	1.4
Nb	< 0.0010	< 0.0010	0.0014	< 0.0010	0.0021	< 0.0010	< 0.0010
Nd	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ni	0.0071	0.0035	0.0044	0.0052	0.0053	0.0041	0.0040
O	27	31	40	32	38	40	39
P	1.4	0.94	0.21	1.3	0.38	0.22	0.18
Pb	< 0.005	< 0.005	0.0053	< 0.005	0.011	< 0.005	0.017
Rb	0.03	0.033	0.034	0.029	0.029	0.032	0.033
S	0.62	0.5	0.072	0.44	0.16	0.13	0.12
Si	13	17	26	18	24	25	24
Sm	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Sn	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.011
Sr	0.039	0.025	0.0093	0.019	0.013	0.0084	0.0093
Ti	0.26	0.28	0.33	0.25	0.32	0.31	0.34
Tl	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
U	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
V	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
W	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Y	0.038	< 0.005	< 0.005	< 0.005	< 0.005	0.0071	< 0.005
Zn	0.028	0.022	0.0061	0.016	0.0094	0.0088	0.0088
Zr	0.018	0.017	0.018	0.02	0.022	0.014	0.013

Table S4. Chemical composition of soils associated with *Chenopodium Album L.* as determined by X-Ray Fluorescence.

Element (%)	22	23	24	25
Al	4.4	7.9	7.4	3.7
As	0.016	0.0065	< 0.005	0.032
Ba	0.039	0.056	0.039	0.047
Bi	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Br	0.0038	0.0025	< 0.0005	< 0.0005
Ca	6.3	1.3	3.1	9.9
Cd	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ce	< 0.0025	0.026	0.028	< 0.0025
Cl	0.023	0.029	0.024	0.032
Co	< 0.0025	< 0.0025	0.0055	< 0.0025
Cr	0.069	0.03	0.034	0.044
Cs	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cu	0.076	0.018	0.013	0.28
Fe	3.2	2.5	2.8	2.9
Ga	< 0.0005	< 0.0005	< 0.0005	< 0.0005
K	2.5	3.8	2.8	2.1
Mg	0.89	0.79	0.70	1.3
Mn	0.14	0.06	0.057	0.12
Mo	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Na	0.79	1.5	1.1	0.59
Nb	< 0.0010	0.0014	< 0.0010	< 0.0010
Nd	< 0.005	< 0.005	< 0.005	< 0.005
Ni	0.0047	0.0044	0.0046	0.0052
O	30	40	36	30
P	1.1	0.21	0.59	1.7
Pb	0.0083	0.0053	0.0095	0.0076
Rb	0.032	0.034	0.028	0.028
S	0.51	0.072	0.24	0.54
Si	16	26	21	15
Sm	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Sn	< 0.005	< 0.005	< 0.005	< 0.005
Sr	0.029	0.0093	0.015	0.034
Ti	0.33	0.33	0.33	0.24
Tl	< 0.005	< 0.005	< 0.005	< 0.005
U	< 0.005	< 0.005	< 0.005	< 0.005
V	< 0.005	< 0.005	< 0.005	< 0.005
W	< 0.005	< 0.005	< 0.005	< 0.005
Y	< 0.005	< 0.005	0.0072	< 0.005
Zn	0.017	0.0061	0.014	0.11
Zr	0.031	0.018	0.023	0.02

Table S5. Chemical composition of *Scolymus Hispanicus L.* as determined by X-Ray Fluorescence.

Element (%)	1	2	3	4	5	6	7	8	9
Al	0.0071	0.0042	0.0095	0.0156	0.0084	0.0065	0.0050	0.0079	0.0071
As	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ba	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0024
Bi	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Br	0.0014	0.0015	0.0014	0.0019	0.0020	0.0013	0.0015	0.0023	0.0018
Ca	1.3151	1.2923	2.0195	1.9001	2.2384	2.2701	1.8788	3.0437	2.3772
Cd	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.0008	< 0.0005	< 0.0005
Ce	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cl	0.0829	0.1880	0.1188	0.4024	0.4925	0.4273	1.1038	0.6214	0.3753
Co	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cr	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.0020	< 0.002	< 0.002	< 0.002
Cs	< 0.0025	< 0.0025	< 0.0025	< 0.0025	0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cu	0.0025	0.0020	0.0027	0.0017	0.0020	0.0020	0.0014	0.0013	0.0015
Fe	0.0122	0.0099	0.0154	0.0212	0.0112	0.0115	0.0063	0.0112	0.0106
Ga	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
K	4.6029	4.1119	3.4450	3.3531	2.7981	4.1396	3.6402	2.6633	3.7534
Mg	0.3814	0.3994	0.5821	0.3800	0.4141	0.2938	0.1996	0.3805	0.2127
Mn	0.0049	0.0018	0.0042	0.0093	0.0053	0.0045	0.0078	0.0108	0.0016
Mo	< 0.0003	< 0.0003	0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Na	0.0060	0.0042	0.0070	0.0179	0.0086	0.0077	0.0047	0.0084	0.0066
Nb	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nd	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ni	0.0007	0.0009	0.0006	0.0005	< 0.0003	0.0015	< 0.0003	0.0011	0.0008
O	2.8933	2.4671	2.6134	2.4590	2.5742	3.0713	2.3485	3.0437	2.6274
P	0.4077	0.2585	0.1307	0.1565	0.1231	0.2270	0.1761	0.2283	0.2252
Pb	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Rb	0.0012	0.0015	0.0014	0.0042	0.0059	0.0021	0.0016	0.0009	0.0008
S	0.2630	0.1292	0.2613	0.2459	0.2686	0.3205	0.1292	0.2410	0.1376
Si	0.1841	0.2585	0.1544	0.1788	0.2686	0.2671	0.2936	0.3424	0.2752
Sm	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Sn	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Sr	0.0024	0.0021	0.0050	0.0037	0.0078	0.0084	0.0062	0.0127	0.0073
Ti	0.0011	0.0015	0.0024	0.0019	< 0.0010	0.0016	0.0012	0.0011	< 0.0010
Tl	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
U	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
V	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
W	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Y	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zn	0.0005	0.0009	0.0025	0.0031	0.0013	0.0011	0.0025	< 0.0010	0.0009
Zr	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Table S6. Chemical composition of *Eryngium Campestre L.* as determined by X-Ray Fluorescence.

Element (%)	10	11	12	13	14
Al	0.0188	0.0059	0.0121	0.0046	0.0095
As	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ba	0.0038	0.0028	0.0033	< 0.002	0.0020
Bi	< 0.0005	< 0.0005	0.0005	< 0.0005	< 0.0005
Br	0.0073	0.0036	0.0015	0.0021	0.0023
Ca	3.1635	1.6725	1.5110	1.2112	1.9650
Cd	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ce	< 0.0025	< 0.0025	0.0025	< 0.0025	< 0.0025
Cl	0.4548	0.3409	0.2297	0.3919	0.2038
Co	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cr	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Cs	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cu	0.0014	0.0014	0.0009	0.0011	0.0017
Fe	0.0119	0.0077	0.0091	0.0055	0.0109
Ga	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
K	1.6806	1.6082	1.3297	2.3511	1.6011
Mg	0.3856	0.2959	0.2418	0.2137	0.4730
Mn	0.0036	0.0096	0.0066	0.0093	0.0422
Mo	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Na	0.0405	< 0.0025	< 0.0025	0.0043	< 0.0025
Nb	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nd	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ni	0.0007	0.0006	< 0.0003	0.0003	0.0005
O	2.2738	1.5439	1.4505	1.4962	1.8194
P	0.1285	0.1287	0.1934	0.1567	0.1528
Pb	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Rb	0.0075	0.0057	0.0027	0.0054	0.0054
S	0.0732	0.0772	0.0665	0.0997	0.1019
Si	0.0652	0.0238	0.0363	0.0192	0.0393
Sm	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Sn	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Sr	0.0109	0.0055	0.0054	0.0050	0.0087
Ti	0.0017	0.0010	0.0016	< 0.0010	0.0011
Tl	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
U	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
V	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
W	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Y	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zn	0.0014	0.0014	0.0016	0.0014	0.0035
Zr	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Table S7. Chemical composition of *Chenopodium Vulvaria L.* as determined by X-Ray Fluorescence.

Element (%)	15	16	17	18	19	20	21
Al	0.0061	0.0048	0.0043	0.0064	0.0037	0.0019	0.0042
As	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ba	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Bi	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Br	< 0.0005	0.0009	0.0012	< 0.0005	< 0.0005	< 0.0005	0.0005
Ca	0.8068	0.5186	0.5022	0.7014	0.6151	0.8290	0.7273
Cd	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ce	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cl	0.2105	0.1099	0.2009	0.0925	0.3515	0.1928	0.2012
Co	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cr	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Cs	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cu	0.0026	0.0029	0.0023	0.0018	0.0019	0.0017	0.0026
Fe	0.0107	0.0087	0.0116	0.0110	0.0083	0.0081	0.0093
Ga	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.0009	< 0.0005
K	7.7175	9.5426	6.6006	7.6522	8.4358	9.0614	7.4277
Mg	0.8244	0.6638	0.3731	0.4623	0.4745	0.3470	0.4488
Mn	0.0061	0.0110	0.0158	0.0077	0.0056	0.0069	0.0053
Mo	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Na	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Nb	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nd	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ni	0.0010	0.0016	< 0.0003	< 0.0003	< 0.0003	0.0009	0.0009
O	3.3326	3.7340	2.7263	2.8696	3.1634	3.2775	2.9401
P	0.3683	0.5809	0.4879	0.3986	0.4218	0.4627	0.3559
Pb	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Rb	0.0111	0.0129	0.0040	0.0061	0.0046	0.0048	0.0034
S	0.2105	0.2282	0.1865	0.1594	0.1933	0.1774	0.1857
Si	0.0246	0.0228	0.0158	0.0255	0.0132	0.0116	0.0155
Sm	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Sn	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Sr	0.0023	0.0016	0.0017	0.0024	0.0026	0.0039	0.0037
Ti	< 0.0010	< 0.0010	< 0.0010	0.0014	< 0.0010	< 0.0010	< 0.0010
Tl	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
U	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
V	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
W	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Y	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Zn	0.0013	0.0052	0.0032	0.0053	0.0023	0.0048	0.0031
Zr	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

Table S8. Chemical composition of *Chenopodium Album L.* as determined by X-Ray Fluorescence.

Element (%)	22	23	24	25
Al	0.0051	0.0043	0.0049	0.0083
As	< 0.005	< 0.005	< 0.005	< 0.005
Ba	< 0.002	< 0.002	< 0.002	< 0.002
Bi	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Br	0.0014	0.0018	0.0027	0.0009
Ca	0.8757	1.0439	0.9449	1.3195
Cd	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ce	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cl	0.2647	0.3685	0.3779	0.1721
Co	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cr	< 0.002	< 0.002	< 0.002	< 0.002
Cs	< 0.0025	< 0.0025	< 0.0025	< 0.0025
Cu	0.0031	0.0031	0.0032	0.0055
Fe	0.0128	0.0106	0.0138	0.0138
Ga	< 0.0005	< 0.0005	< 0.0005	< 0.0005
K	9.1643	9.0066	10.7985	11.4741
Mg	0.8350	0.7369	0.7829	1.0900
Mn	0.0204	0.0172	0.0054	0.0086
Mo	< 0.0003	0.0007	< 0.0003	< 0.0003
Na	< 0.0025	< 0.0025	< 0.0025	0.0089
Nb	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Nd	< 0.005	< 0.005	< 0.005	< 0.005
Ni	0.0010	0.0012	< 0.0003	< 0.0003
O	4.0730	4.0939	4.3194	4.5896
P	0.5906	0.5936	0.4589	0.4303
Pb	< 0.005	< 0.005	< 0.005	< 0.005
Rb	0.0077	0.0043	0.0049	0.0161
S	0.3055	0.3070	0.3779	0.2869
Si	0.0285	0.0225	0.0251	0.0344
Sm	0.0041	< 0.0025	< 0.0025	< 0.0025
Sn	< 0.005	< 0.005	< 0.005	< 0.005
Sr	0.0024	0.0037	0.0046	0.0049
Ti	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Tl	< 0.005	< 0.005	< 0.005	< 0.005
U	< 0.005	< 0.005	< 0.005	< 0.005
V	< 0.005	< 0.005	< 0.005	< 0.005
W	< 0.005	< 0.005	< 0.005	< 0.005
Y	< 0.005	< 0.005	< 0.005	< 0.005
Zn	0.0029	0.0033	0.0032	< 0.0010
Zr	< 0.005	< 0.005	< 0.005	< 0.005