Table S1. Descriptive statistics of variables studied in green pea seeds. Values are means ± standard deviation (n=3); GP (germination percentage); AL (aerial length); RL (root length); SV (seed vigor); GI (germination index); Alm (almond shell); AlmB (almond shell biochar); Bre (brewer spent grain); BreB (brewer spent grain biochar); Asp (asparagus spear); AspB (asparagus spear biochar); Pea (peanut shell); PeaB (peanut shell biochar); Wal (walnut shell); WalB (walnut shell biochar); Pis (pistachio shell); PisB (pistachio shell biochar).

Extract	GP (%)	AL (cm)	RL (cm)	SV (%)	GI (%)
Control	86.67±5.3	2.16±0.01	4.83±0.34	605.89±45	100±6.7
Alm50	86.67±7.5	1.14±0.02	3.42±0.25	401.08±35	73.09±5.4
Alm100	73.33±6.3	1.34±0.01	3.95±0.18	393.35±29	80.01±6.2
AlmB50	86.67±5.5	1.75±0.01	5.29±0.24	615.44±18	113.26±7.5
AlmB100	46.67±3.9	2.34±0.02	6.32±0.52	416.65±24	71.65±6.2
Bre50	100±5.6	2.09±0	7.48±0.33	956.94±33	188.54±17
Bre100	86.67±4.4	2.85±0.18	5.34±0.58	713.54±69	115.75±9.8
BreB50	66.67±2.6	3.01±0.10	4.17±0.30	481.62±39	70.87±6.3
BreB100	93.33±8	4.84±0.36	5.11±0.18	938.68±37	115.70±5
Asp50	80±7.5	1.12±0	2.50±0.21	296.95±24	48.35±3.2
Asp100	53.33±4.2	0.96±0.01	1.54±0.01	135.73±10	19.68±1.3
AspB50	100±9	1.24±0.03	6.33±0.58	756.85±66	159.77±14
AspB100	100±8	1.52±0.01	5.77±0.48	729.06±62	153.22±13
Pea50	93.33±6.6	1.18±0.01	3.33±0.27	424.29±37	75.53±6.6
Pea100	80±7	1.40±0.03	3.37±0.21	410.40±29	65.04±4.9
PeaB50	73.33±6.3	1.65±0.02	4.54±0.39	462.11±38	78.99±6.7
PeaB100	93.33±8.9	3.54±0.02	6.26±0.58	924.39±87	144.01±12
Wal50	80±7.5	1.54±0.12	5.80±0.25	578.47±44	116.28±11
Wal100	93.33±6.6	1.78±0.10	6.86±0.28	799.10±69	171.46±15
WalB50	93.33±6.6	2.03±0.17	6.59±0.79	810.02±87	149.80±12
WalB100	86.67±5.3	2.34±0.19	7.03±0.66	810.34±71	153.83±10
Pis50	80±7.5	1.47±0.12	4.03±0.31	485.93±29	79.05±6.3
Pis100	86.67±5.3	1.72±0.13	3.28±0.22	423.12±36	71.85±5.5
PisB50	93.33±6.6	1.82±0.16	3.70±0.34	522.97±51	81.96±5.8
PisB100	66.67±2.6	2.07±0.19	4.98±0.28	470.92±33	77.78±6.3

Table S2. Descriptive statistics of variables studied in arugula seeds. Values are means ± standard deviation (n=3); GP (germination percentage); AL (aerial length); RL (root length); SV (seed vigor); GI (germination index); Alm (almond shell); AlmB (almond shell biochar); Bre (brewer spent grain); BreB (brewer spent grain biochar); Asp (asparagus spear); AspB (asparagus spear biochar); Pea (peanut shell); PeaB (peanut shell biochar); Wal (walnut shell); WalB (walnut shell biochar); Pis (pistachio shell); PisB (pistachio shell biochar).

Extract	GP (%)	AL (cm)	RL (cm)	SV (%)	GI (%)
Control	100±9	3.71±0.18	2.60±0.18	631.13±28	100±5
Alm50	13.33±0.8	0.94±0.01	0.70±0.05	65.26±5.3	8.52±0.6
Alm100	13.33±0.8	1.89±0	3.63±0.23	110.57±98	36.01±2.5
AlmB50	100±9	3.96±0.26	2.83±0.19	678.27±52	115.09±9.8
AlmB100	86.67±5.3	5.14±0.24	1.96±0.09	621.82±61	79.72±6.4
Bre50	86.67±5.3	5.10±0.98	4.17±0.31	804.68±69	146.55±12
Bre100	73.33±4.9	5.22±1.8	3.72±0.21	661.41±51	109.07±9.7
BreB50	100±9	4±0.30	1.75±0.11	574.83±53	73.30±6.4
BreB100	93.33±7.5	4.52±0.35	1.74±0.12	592.65±57	64.36±5.5
Asp50	40±2	1.76±0.01	0.56±0.03	92.22±6.6	13.06±0.8
Asp100	0±0	0±0	0±0	0±0	0±0
AspB50	73.33±4.9	6.18±0.26	3.36±0.26	683.56±59	92.33±8.7
AspB100	90±6	4.06±0.34	1.51±0.12	498.16±36	57.72±4.5
Pea50	86.67±5.3	3.82±0.30	3.35±0.26	598.90±54	117.18±8.9
Pea100	66.67±5.1	4.54±0.29	2.93±0.21	499.35±39	82.44±4.6
PeaB50	73.33±4.9	3.34±0.19	3.80±0.30	525.52±48	116.11±9.7
PeaB100	80±5	4.50±0.36	1.47±0.09	475.41±48	47.39±3.8
Wal50	100±9	5.28±0.41	3.49±0.22	876.87±67	142.08±14
Wal100	70±4.5	6.60±0.55	4.38±0.31	768.40±63	139±12
WalB50	100±9	5.05±0.43	2.72±0.24	777.43±71	105.93±9.9
WalB100	93.33±7.5	4.75±0.33	2.27±0.29	657.01±48	86.50±6.7
Pis50	60±4	4.11±0.28	2.74±0.17	416.41±40	72.76±5.4
Pis100	66.67±5.1	3.12±0.30	2.18±0.29	355.17±29	66.83±5.9
PisB50	73.33±4.9	3.24±0.28	3.11±0.27	476.96±36	86.14±4.9
PisB100	100±9	5.18±0.41	2.50±0.19	768.27±69	104.61±9.8

Table S3. Descriptive statistics of variables studied in radish seeds. Values are means ± standard deviation (n=3); GP (germination percentage); AL (aerial length); RL (root length); SV (seed vigor); GI (germination index); Alm (almond shell); AlmB (almond shell biochar); Bre (brewer spent grain); BreB (brewer spent grain biochar); Asp (asparagus spear); AspB (asparagus spear biochar); Pea (peanut shell); PeaB (peanut shell biochar); Wal (walnut shell); WalB (walnut shell biochar); Pis (pistachio shell); PisB (pistachio shell biochar).

Extract	GP (%)	AL (cm)	RL (cm)	SV (%)	GI (%)
Control	100±9	7.41±0.52	7.68±0.53	1509.68±110	100±9
Alm50	80±6.4	3.54±0.18	1.71±0.11	422.25±37	24.42±1.5
Alm100	0±0	0±0	0±0	0±0	0±0
AlmB50	53.33±3.2	6.18±0.26	4.39±0.32	554.30±49	42.76±3.6
AlmB100	26.67±1.5	2.39±0.19	2.14±0.18	127.67±9	9±0.8
Bre50	100±9	7.96±0.66	7.39±0.56	1535.03±67	170.30±11
Bre100	93.33±7.5	7.51±0.64	8.11±0.25	1467.37±82	153.78±10
BreB50	0±0	0±0	0±0	0±0	0±0
BreB100	100±9	7.89±0.44	8.64±0.69	1652.55±57	201.77±12
Asp50	93.33±7.5	6.46±0.50	2.94±0.21	880.28±70	57.65±4.3
Asp100	0±0	0±0	0±0	0±0	0±0
AspB50	100±9	5.74±0.52	2.56±0.25	830.31±71	57.64±3.2
AspB100	46.67±3.2	5.05±0.49	1.18±0.09	318.79±28	16.93±1
Pea50	93.33±7.5	7.89±0.66	10.70±0.87	1723.53±69	216.99±19
Pea100	100±9	7.83±0.62	8.65±0.25	1647.15±94	173.52±15
PeaB50	93.33±7.5	7.55±0.68	6.68±0.61	1328.54±97	120.78±9.7
PeaB100	100±9	8.88±0.79	5.86±0.48	1474.33±100	112.29±10
Wal50	93.33±7.5	10.61±0.87	7.52±0.62	1694.49±109	154.65±12
Wal100	93.33±7.5	7.81±0.65	6.53±0.55	1327.36±127	134.06±11
WalB50	100±9	9.09±0.81	7.76±0.42	1685.80±145	155.75±10
WalB100	100±9	10.57±1	7.42±0.48	1799.80±126	153.82±14
Pis50	80±6.4	7.55±0.58	8.14±0.80	1251.88±100	152.55±13
Pis100	93.33±7.5	7.83±0.69	9.18±0.63	1584.92±118	206.04±18
PisB50	100±9	8.22±0.71	6.74±0.55	1495.87±103	153.07±12
PisB100	100±9	8.79±0.62	4.64±0.24	1343.73±107	105.75±9.5

Table S4. Descriptive statistics of variables studied in lettuce seeds. Values are means ± standard deviation (n=3); GP (germination percentage); AL (aerial length); RL (root length); SV (seed vigor); GI (germination index); Alm (almond shell); AlmB (almond shell biochar); Bre (brewer spent grain); BreB (brewer spent grain biochar); Asp (asparagus spear); AspB (asparagus spear biochar); Pea (peanut shell); PeaB (peanut shell biochar); Wal (walnut shell); WalB (walnut shell biochar); Pis (pistachio shell); PisB (pistachio shell biochar).

Extract	GP (%)	AL (cm)	RL (cm)	SV (%)	GI (%)
Control	86.67±5.3	4.52±0.30	2.78±0.18	614.37±54	100±7
Alm50	93.33±7.5	4.99±0.29	2.09±0.15	661.97±58	86.34±4.9
Alm100	73.33±5.4	4.69±0.18	1.91±0.10	481.45±26	64.39±5.5
AlmB50	100±9	4.11±0.37	1.33±0.11	543.47±39	59.31±4.9
AlmB100	73.33±5.4	4.80±0.42	5.06±0.26	800.73±74	76.03±6
Bre50	100±9	4.55±0.41	3.49±0.31	804.31±75	152.44±10
Bre100	93.33±7.5	3.79±0.18	3.18±0.30	638.69±60	132.29±12
BreB50	0±0	0±0	0±0	0±0	0±0
BreB100	0±0	0±0	0±0	0±0	0±0
Asp50	93.33±7.5	5.44±0.41	2.02±0.19	702.91±56	82.36±7.2
Asp100	60±5.1	2.04±0.32	0.72±0.05	242.23±19	28.79±1.5
AspB50	0±0	0±0	0±0	0±0	0±0
AspB100	0±0	0±0	0±0	0±0	0±0
Pea50	93.33±7.5	4.78±0.28	3.20±0.22	736.02±62	128.59±9.8
Pea100	93.33±7.5	5.55±0.44	3.64±0.32	859.61±77	156.20±12
PeaB50	93.33±7.5	4.53±0.40	2.72±0.17	676.27±63	118.93±9.7
PeaB100	33.33±2.7	0.93±0.08	1.04±0.09	99.99±8.5	18.71±0.87
Wal50	100±9	5.12±0.28	3.31±0.22	843.43±71	146.94±7.9
Wal100	100±9	6.25±0.61	3.29±0.30	954.50±82	148.92±12
WalB50	86.67±5.3	4.81±0.38	2.22±0.12	602.94±53	90.65±7.5
WalB100	93.33±7.5	4.39±0.40	2.24±0.25	615.35±54	93.10±6.4
Pis50	100±9	4.71±0.46	3.56±0.32	827.63±74	163.13±12
Pis100	93.33±7.5	5.34±0.27	3.56±0.34	827.23±70	149.64±10
PisB50	93.33±7.5	4.67±0.33	2.77±0.27	696.83±52	116.06±9.8
PisB100	93.33±7.5	4.42±0.38	1.72±0.12	577.97±57	69.23±5.2

Table S5. Germination index.

Seed type	Dilution extracts	Types of extract (i)	Types of extract (j)	Mean difference (i-j)	Typical error	P-value
Lettuce	50	PisB	Bre	163.130	47.027	0.040
			Asp	163.130	47.027	0.040
		Bre	PisB	-163.130	47.027	0.040
		Asp	PisB	-163.130	47.027	0.040
Radish	50	AlmB	PeaB	-192.570	47.027	0.004
		BreB	Bre	170.300	47.027	0.023
		PeaB	Alm	174.223	47.027	0.017
			Bre	216.987	47.027	0.000
		Alm	PeaB	-174.223	47.027	0.017
		Bre	BreB	-170.300	47.027	0.023
			PeaB	-216.987	47.027	0.000
	100	AlmB	PisB	-206.040	47.027	0.001
			Bre	-201.770	47.027	0.002
		AspB	PeaB	-173.523	47.027	0.018
			PisB	-206.040	47.027	0.001
			Bre	-201.770	47.027	0.002
		PeaB	AlmB	173.523	47.027	0.018
			AspB	173.523	47.027	0.018
			Alm	164.527	47.027	0.036
		PisB	AlmB	206.040	47.027	0.001
			AspB	206.040	47.027	0.001
			Alm	197.043	47.027	0.002
			Asp	189.113	47.027	0.005
		Alm	PeaB	-164.527	47.027	0.036
			PisB	-197.043	47.027	0.002
			Bre	-192.773	47.027	0.004
		Bre	AlmB	201.770	47.027	0.002
			AspB	201.770	47.027	0.002
			Alm	192.773	47.027	0.004
			Asp	184.843	47.027	0.007
		Asp	PisB	-189.113	47.027	0.005
			Bre	-184.843	47.027	0.007

Table S6. Root length.

Seed type	Dilution extracts	Types of extract (i)	Types of extract (j)	Mean difference (i-j)	Typical error	P-value
Green peas	50	Asp	Bre	-4.977	1.433	0.039
	100	Asp	WalB	-5.487	1.433	0.010
			Wal	-5.320	1.433	0.016
		Wal	Asp	5.320	1.433	0.016
Radish	50	AlmB	BreB	-5.687	1.433	0.006
			PeaB	-8.997	1.433	0.000
			WalB	-5.817	1.433	0.004
			PisB	-6.433	1.433	0.001
			Pea	-4.980	1.433	0.039
			Wal	-6.060	1.433	0.002
			Pis	-5.037	1.433	0.034
		BreB	AlmB	5.687	1.433	0.006
			Bre	7.393	1.433	0.000
		AspB	PeaB	-7.767	1.433	0.000
			PisB	-5.203	1.433	0.022
		PeaB	AlmB	8.997	1.433	0.000
			AspB	7.767	1.433	0.000
			Alm	6.313	1.433	0.001
			Bre	10.703	1.433	0.000
			Asp	8.140	1.433	0.000
		WalB	AlmB	5.817	1.433	0.004
			Bre	7.523	1.433	0.000
			Asp	4.960	1.433	0.041
		PisB	AlmB	6.433	1.433	0.001
			AspB	5.203	1.433	0.022
			Bre	8.140	1.433	0.000
			Asp	5.577	1.433	0.008
		Alm	PeaB	-6.313	1.433	0.001
		Bre	BreB	-7.393	1.433	0.000
			PeaB	-10.703	1.433	0.000
			WalB	-7.523	1.433	0.000
			PisB	-8.140	1.433	0.000
			Pea	-6.687	1.433	0.000
			Wal	-7.767	1.433	0.000
			Pis	-6.743	1.433	0.000
		Asp	PeaB	-8.140	1.433	0.000
			WalB	-4.960	1.433	0.041
			Wal	-5.203	1.433	0.022
		Pea	AlmB	4.980	1.433	0.039
			Bre	6.687	1.433	0.000
		Wal	AlmB	6.060	1.433	0.002
			Bre	7.767	1.433	0.000
			Asp	5.203	1.433	0.022
		Pis	AlmB	5.037	1.433	0.034
			Bre	6.743	1.433	0.000
	100	AlmB	BreB	-8.107	1.433	0.000
			PeaB	-8.647	1.433	0.000
			WalB	-6.527	1.433	0.001
			PisB	-9.183	1.433	0.000
			Bre	-8.637	1.433	0.000
			Pea	-5.860	1.433	0.004
			Wal	-7.423	1.433	0.000

	BreB	AlmB	8.107	1.433	0.000
		AspB	8.107	1.433	0.000
		Alm	5.963	1.433	0.003
		Asp	6.923	1.433	0.000
	AspB	BreB	-8.107	1.433	0.000
		PeaB	-8.647	1.433	0.000
		WalB	-6.527	1.433	0.001
		PisB	-9.183	1.433	0.000
		Bre	-8.637	1.433	0.000
		Pea	-5.860	1.433	0.004
		Wal	-7.423	1.433	0.000
	PeaB	AlmB	8.647	1.433	0.000
		AspB	8.647	1.433	0.000
		Alm	6.503	1.433	0.001
		Asp	7.463	1.433	0.000
	WalB	AlmB	6.527	1.433	0.001
		AspB	6.527	1.433	0.001
		Asp	5.343	1.433	0.015
	PisB	AlmB	9.183	1.433	0.000
		AspB	9.183	1.433	0.000
		Alm	7.040	1.433	0.000
		Asp	8.000	1.433	0.000
	Alm	BreB	-5.963	1.433	0.003
		PeaB	-6.503	1.433	0.001
		PisB	-7.040	1.433	0.000
		Bre	-6.493	1.433	0.001
		Wal	-5.280	1.433	0.018
	Bre	AlmB	8.637	1.433	0.000
		AspB	8.637	1.433	0.000
		Alm	6.493	1.433	0.001
		Asp	7.453	1.433	0.000
	Asp	BreB	-6.923	1.433	0.000
		PeaB	-7.463	1.433	0.000
		PisB	-8.000	1.433	0.000
		Bre	-7.453	1.433	0.000
		Wal	-6.240	1.433	0.001
	Pea	AlmB	5.860	1.433	0.004
		AspB	5.860	1.433	0.004
	Wal	AlmB	7.423	1.433	0.000
		AspB	7.423	1.433	0.000
		Alm	5.280	1.433	0.018
		Asp	6.240	1.433	0.001

Table S7. Aerial length

Seed type	Dilution extracts	Types of extract (i)	Types of extract (j)	Mean difference (i-j)	Typical error	P-value
Green peas	100	BreB	AlmB	2.500	0.928	0.492
			AspB	3.317	0.928	0.027
			Alm	3.503	0.928	0.013
			Asp	3.877	0.928	0.003
			Pea	3.440	0.928	0.017
		AspB	AlmB	-0.817	0.928	1.000
			BreB	-3.317	0.928	0.027
		Alm	AlmB	-1.003	0.928	1.000
			BreB	-3.503	0.928	0.013
		Asp	AlmB	-1.377	0.928	1.000
			BreB	-3.877	0.928	0.003
		Pea	AlmB	-0.940	0.928	1.000
			BreB	-3.440	0.928	0.017
Lettuce	50	Alm	AlmB	-0.890	0.928	1.000
			Bre	4.110	0.928	0.001
			Asp	4.110	0.928	0.001
		Bre	AlmB	-5.000	0.928	0.000
			BreB	-4.553	0.928	0.000
			AspB	-5.443	0.928	0.000
			PeaB	-4.780	0.928	0.000
			WalB	-5.123	0.928	0.000
			PisB	-4.713	0.928	0.000
			Alm	-4.110	0.928	0.001
			Pea	-4.530	0.928	0.000
			Wal	-4.813	0.928	0.000
			Pis	-4.670	0.928	0.000
		Asp	AlmB	-5.000	0.928	0.000
			BreB	-4.553	0.928	0.000
			AspB	-5.443	0.928	0.000
			PeaB	-4.780	0.928	0.000
			WalB	-5.123	0.928	0.000
			PisB	-4.713	0.928	0.000
			Alm	-4.110	0.928	0.001
			Pea	-4.530	0.928	0.000
			Wal	-4.813	0.928	0.000
			Pis	-4.670	0.928	0.000
		Pea	AlmB	-0.470	0.928	1.000
			Bre	4.530	0.928	0.000
			Asp	4.530	0.928	0.000
		Wal	AlmB	-0.187	0.928	1.000
			Bre	4.813	0.928	0.000
			Asp	4.813	0.928	0.000

	Pis	AlmB	-0.330	0.928	1.000
		Bre	4.670	0.928	0.000
		Asp	4.670	0.928	0.000
100	AlmB	BreB	0.900	0.928	1.000
		Alm	3.550	0.928	0.011
		Bre	4.690	0.928	0.000
		Asp	4.690	0.928	0.000
		Pea	3.757	0.928	0.004
	BreB	AlmB	-0.900	0.928	1.000
		Bre	3.790	0.928	0.004
		Asp	3.790	0.928	0.004
	AspB	AlmB	-2.653	0.928	0.300
		PeaB	-3.517	0.928	0.012
		WalB	-4.217	0.928	0.001
		PisB	-3.303	0.928	0.029
	PeaB	AlmB	0.863	0.928	1.000
		AspB	3.517	0.928	0.012
		Alm	4.413	0.928	0.000
		Bre	5.553	0.928	0.000
		Asp	5.553	0.928	0.000
		Pea	4.620	0.928	0.000
	WalB	AlmB	1.563	0.928	1.000
		AspB	4.217	0.928	0.001
		Alm	5.113	0.928	0.000
		Bre	6.253	0.928	0.000
		Asp	6.253	0.928	0.000
		Pea	5.320	0.928	0.000
	PisB	AspB	3.303	0.928	0.029
		Alm	4.200	0.928	0.001
		Bre	5.340	0.928	0.000
		Asp	5.340	0.928	0.000
		Pea	4.407	0.928	0.000
	Alm	AlmB	-3.550	0.928	0.011
		PeaB	-4.413	0.928	0.000
		WalB	-5.113	0.928	0.000
		PisB	-4.200	0.928	0.001
		Pis	-3.283	0.928	0.031
	Bre	AlmB	-4.690	0.928	0.000
		BreB	-3.790	0.928	0.004
		PeaB	-5.553	0.928	0.000
		WalB	-6.253	0.928	0.000
		PisB	-5.340	0.928	0.000
		Wal	-4.390	0.928	0.000
		Pis	-4.423	0.928	0.000
	Asp	AlmB	-4.690	0.928	0.000
		BreB	-3.790	0.928	0.004
		PeaB	-5.553	0.928	0.000
		WalB	-6.253	0.928	0.000

			PisB	-5.340	0.928	0.000
			Wal	-4.390	0.928	0.000
			Pis	-4.423	0.928	0.000
		Pea	AlmB	-3.757	0.928	0.004
			PeaB	-4.620	0.928	0.000
			WalB	-5.320	0.928	0.000
			PisB	-4.407	0.928	0.000
			Wal	-3.457	0.928	0.015
			Pis	-3.490	0.928	0.013
		Wal	AlmB	-0.300	0.928	1.000
			Alm	3.250	0.928	0.035
			Bre	4.390	0.928	0.000
			Asp	4.390	0.928	0.000
			Pea	3.457	0.928	0.015
		Pis	AlmB	-0.267	0.928	1.000
			Alm	3.283	0.928	0.031
			Bre	4.423	0.928	0.000
			Asp	4.423	0.928	0.000
			Pea	3.490	0.928	0.013
Radish	50	AlmB	BreB	-4.407	0.928	0.000
			PeaB	-4.347	0.928	0.000
			WalB	-7.067	0.928	0.000
			PisB	-4.003	0.928	0.001
			Bre	3.547	0.928	0.011
			Pea	-4.003	0.928	0.001
			Wal	-5.543	0.928	0.000
			Pis	-4.670	0.928	0.000
		BreB	AlmB	4.407	0.928	0.000
			Bre	7.953	0.928	0.000
		AspB	AlmB	2.920	0.928	0.120
			WalB	-4.147	0.928	0.001
			Bre	6.467	0.928	0.000
		PeaB	AlmB	4.347	0.928	0.000
			Bre	7.893	0.928	0.000
		WalB	AlmB	7.067	0.928	0.000
			AspB	4.147	0.928	0.001
			Alm	4.437	0.928	0.000
			Bre	10.613	0.928	0.000
			Asp	4.870	0.928	0.000
		PisB	AlmB	4.003	0.928	0.001
			Bre	7.550	0.928	0.000
		Alm	AlmB	2.630	0.928	0.324
			WalB	-4.437	0.928	0.000
			Bre	6.177	0.928	0.000
		Bre	AlmB	-3.547	0.928	0.011
			BreB	-7.953	0.928	0.000
			AspB	-6.467	0.928	0.000
			PeaB	-7.893	0.928	0.000

		WalB	-10.613	0.928	0.000
		PisB	-7.550	0.928	0.000
		Alm	-6.177	0.928	0.000
		Asp	-5.743	0.928	0.000
		Pea	-7.550	0.928	0.000
		Wal	-9.090	0.928	0.000
		Pis	-8.217	0.928	0.000
	Asp	AlmB	2.197	0.928	1.000
		WalB	-4.870	0.928	0.000
		Bre	5.743	0.928	0.000
		Wal	-3.347	0.928	0.024
	Pea	AlmB	4.003	0.928	0.001
		Bre	7.550	0.928	0.000
	Wal	AlmB	5.543	0.928	0.000
		Bre	9.090	0.928	0.000
		Asp	3.347	0.928	0.024
	Pis	AlmB	4.670	0.928	0.000
		Bre	8.217	0.928	0.000
100	AlmB	BreB	-7.513	0.928	0.000
		PeaB	-7.827	0.928	0.000
		WalB	-7.803	0.928	0.000
		PisB	-7.827	0.928	0.000
		Bre	-7.890	0.928	0.000
		Asp	-5.050	0.928	0.000
		Pea	-8.883	0.928	0.000
		Wal	-10.573	0.928	0.000
		Pis	-8.790	0.928	0.000
	BreB	AlmB	7.513	0.928	0.000
		AspB	7.513	0.928	0.000
		Alm	5.127	0.928	0.000
	AspB	AlmB	0.000	0.928	1.000
		BreB	-7.513	0.928	0.000
		PeaB	-7.827	0.928	0.000
		WalB	-7.803	0.928	0.000
		PisB	-7.827	0.928	0.000
		Bre	-7.890	0.928	0.000
		Asp	-5.050	0.928	0.000
		Pea	-8.883	0.928	0.000
		Wal	-10.573	0.928	0.000
		Pis	-8.790	0.928	0.000
	PeaB	AlmB	7.827	0.928	0.000
		AspB	7.827	0.928	0.000
		Alm	5.440	0.928	0.000
	WalB	AlmB	7.803	0.928	0.000
		AspB	7.803	0.928	0.000
		Alm	5.417	0.928	0.000
	PisB	AlmB	7.827	0.928	0.000
		AspB	7.827	0.928	0.000

			Alm	5.440	0.928	0.000
		Alm	BreB	-5.127	0.928	0.000
			PeaB	-5.440	0.928	0.000
			WalB	-5.417	0.928	0.000
			PisB	-5.440	0.928	0.000
			Bre	-5.503	0.928	0.000
			Pea	-6.497	0.928	0.000
			Wal	-8.187	0.928	0.000
			Pis	-6.403	0.928	0.000
		Bre	AlmB	7.890	0.928	0.000
			AspB	7.890	0.928	0.000
			Alm	5.503	0.928	0.000
		Asp	AlmB	5.050	0.928	0.000
			AspB	5.050	0.928	0.000
			Pea	-3.833	0.928	0.003
			Wal	-5.523	0.928	0.000
			Pis	-3.740	0.928	0.005
		Pea	AlmB	8.883	0.928	0.000
			AspB	8.883	0.928	0.000
			Alm	6.497	0.928	0.000
			Asp	3.833	0.928	0.003
		Wal	AlmB	10.573	0.928	0.000
			AspB	10.573	0.928	0.000
			Asp	5.523	0.928	0.000
		Pis	AlmB	8.790	0.928	0.000
			AspB	8.790	0.928	0.000
			Alm	6.403	0.928	0.000
			Asp	3.740	0.928	0.005
Arugula	50	AspB	AlmB	2.233	0.928	1.000
			Asp	4.430	0.928	0.000
		WalB	AlmB	1.100	0.928	1.000
			Alm	4.117	0.928	0.001
			Asp	3.297	0.928	0.029
		Alm	AlmB	-3.017	0.928	0.085
			AspB	-5.250	0.928	0.000
			WalB	-4.117	0.928	0.001
			Bre	-4.170	0.928	0.001
			Wal	-4.347	0.928	0.000
			Pis	-3.180	0.928	0.046
		Bre	AlmB	1.153	0.928	1.000
			Alm	4.170	0.928	0.001
			Asp	3.350	0.928	0.024
		Asp	AlmB	-2.197	0.928	1.000
			AspB	-4.430	0.928	0.000
			WalB	-3.297	0.928	0.029
			Bre	-3.350	0.928	0.024
			Wal	-3.527	0.928	0.012
		Wal	AlmB	1.330	0.928	1.000

		Asp	3.527	0.928	0.012
	Pis	AlmB	0.163	0.928	1.000
		Alm	3.180	0.928	0.046
100	AlmB	BreB	0.620	0.928	1.000
		Alm	3.243	0.928	0.036
		Asp	5.137	0.928	0.000
	BreB	AlmB	-0.620	0.928	1.000
		Asp	4.517	0.928	0.000
	AspB	AlmB	-1.073	0.928	1.000
		Asp	4.063	0.928	0.001
	PeaB	AlmB	-0.633	0.928	1.000
		Asp	4.503	0.928	0.000
	WalB	AlmB	-0.390	0.928	1.000
		Asp	4.747	0.928	0.000
	PisB	AlmB	0.047	0.928	1.000
		Alm	3.290	0.928	0.030
		Asp	5.183	0.928	0.000
	Alm	AlmB	-3.243	0.928	0.036
		PisB	-3.290	0.928	0.030
		Bre	-3.330	0.928	0.026
		Wal	-4.710	0.928	0.000
	Bre	AlmB	0.087	0.928	1.000
		Alm	3.330	0.928	0.026
		Asp	5.223	0.928	0.000
	Asp	AlmB	-5.137	0.928	0.000
		BreB	-4.517	0.928	0.000
		AspB	-4.063	0.928	0.001
		PeaB	-4.503	0.928	0.000
		WalB	-4.747	0.928	0.000
		PisB	-5.183	0.928	0.000
		Bre	-5.223	0.928	0.000
		Pea	-4.540	0.928	0.000
		Wal	-6.603	0.928	0.000
	Pea	AlmB	-0.597	0.928	1.000
		Asp	4.540	0.928	0.000
	Wal	AlmB	1.467	0.928	1.000
		Alm	4.710	0.928	0.000
		Asp	6.603	0.928	0.000
		Pis	3.477	0.928	0.014
	Pis	AlmB	-2.010	0.928	1.000
		Wal	-3.477	0.928	0.014

Table S8. Germination percentage.

Seed type	Dilution extracts	Types of extract (i)	Types of extract (j)	Mean difference (i-j)	Typical error	P-value
Green peas	100	AlmB	BreB	-46.667	11.980	0.008
			AspB	-53.333	11.980	0.001
			PeaB	-46.667	11.980	0.008
			WalB	-40.000	11.980	0.063
			Wal	-46.667	11.980	0.008
		BreB	AlmB	46.667	11.980	0.008
		AspB	AlmB	53.333	11.980	0.001
			Asp	46.667	11.980	0.008
		PeaB	AlmB	46.667	11.980	0.008
		Asp	AspB	-46.667	11.980	0.008
		Wal	AlmB	46.667	11.980	0.008
Lettuce	50	AlmB	Bre	93.333	11.980	0.000
			Asp	93.333	11.980	0.000
		BreB	Bre	100.000	11.980	0.000
			Asp	100.000	11.980	0.000
		AspB	Bre	93.333	11.980	0.000
			Asp	93.333	11.980	0.000
		PeaB	Bre	93.333	11.980	0.000
			Asp	93.333	11.980	0.000
		WalB	Bre	100.000	11.980	0.000
			Asp	100.000	11.980	0.000
		PisB	Bre	100.000	11.980	0.000
			Asp	100.000	11.980	0.000
		Alm	Bre	100.000	11.980	0.000
			Asp	100.000	11.980	0.000
		Bre	AlmB	-93.333	11.980	0.000
			BreB	-100.000	11.980	0.000
			AspB	-93.333	11.980	0.000
			PeaB	-93.333	11.980	0.000
			WalB	-100.000	11.980	0.000
			PisB	-100.000	11.980	0.000
			Alm	-100.000	11.980	0.000
			Pea	-93.333	11.980	0.000
			Wal	-86.667	11.980	0.000
			Pis	-93.333	11.980	0.000
		Asp	AlmB	-93.333	11.980	0.000
			BreB	-100.000	11.980	0.000
			AspB	-93.333	11.980	0.000
			PeB	-93.333	11.980	0.000
			WalB	-100.000	11.980	0.000
			PiB	-100.000	11.980	0.000
			Alm	-100.000	11.980	0.000

		Pea	-93.333	11.980	0.000
		Wal	-86.667	11.980	0.000
		Pis	-93.333	11.980	0.000
	Pea	Bre	93.333	11.980	0.000
		Asp	93.333	11.980	0.000
	Wal	Bre	86.667	11.980	0.000
		Asp	86.667	11.980	0.000
	Pis	Bre	93.333	11.980	0.000
		Asp	93.333	11.980	0.000
100	AlmB	Bre	73.333	11.980	0.000
		Asp	73.333	11.980	0.000
	BreB	Bre	93.333	11.980	0.000
		Asp	93.333	11.980	0.000
		Pea	60.000	11.980	0.000
	AspB	Bre	60.000	11.980	0.000
		Asp	60.000	11.980	0.000
	PeaB	Bre	93.333	11.980	0.000
		Asp	93.333	11.980	0.000
		Pea	60.000	11.980	0.000
	WalB	Alm	46.667	11.980	0.008
		Bre	100.000	11.980	0.000
		Asp	100.000	11.980	0.000
		Pea	66.667	11.980	0.000
	PisB	Bre	93.333	11.980	0.000
		Asp	93.333	11.980	0.000
		Pea	60.000	11.980	0.000
	Alm	WalB	-46.667	11.980	0.008
		Bre	53.333	11.980	0.001
		Asp	53.333	11.980	0.001
	Bre	AlmB	-73.333	11.980	0.000
		BreB	-93.333	11.980	0.000
		AspB	-60.000	11.980	0.000
		PeaB	-93.333	11.980	0.000
		WalB	-100.000	11.980	0.000
		PisB	-93.333	11.980	0.000
		Alm	-53.333	11.980	0.001
		Wal	-93.333	11.980	0.000
		Pis	-93.333	11.980	0.000
	Asp	AlmB	-73.333	11.980	0.000
		BreB	-93.333	11.980	0.000
		AspB	-60.000	11.980	0.000
		PeaB	-93.333	11.980	0.000
		WalB	-100.000	11.980	0.000
		PisB	-93.333	11.980	0.000
		Alm	-53.333	11.980	0.001
		Wal	-93.333	11.980	0.000
		Pis	-93.333	11.980	0.000
	Pea	BreB	-60.000	11.980	0.000

			PeaB	-60.000	11.980	0.000
			WalB	-66.667	11.980	0.000
			PisB	-60.000	11.980	0.000
			Wal	-60.000	11.980	0.000
			Pis	-60.000	11.980	0.000
		Wal	Bre	93.333	11.980	0.000
			Asp	93.333	11.980	0.000
			Pea	60.000	11.980	0.000
		Pis	Bre	93.333	11.980	0.000
			Asp	93.333	11.980	0.000
			Pea	60.000	11.980	0.000
Radish	50	AspB	Bre	93.333	11.980	0.000
		PeaB	Bre	93.333	11.980	0.000
		WalB	Bre	93.333	11.980	0.000
		PisB	Bre	80.000	11.980	0.000
		Alm	BreB	-46.667	11.980	0.008
			Bre	53.333	11.980	0.001
			Asp	-46.667	11.980	0.008
			Wal	-46.667	11.980	0.008
			Pis	-46.667	11.980	0.008
		Bre	AlmB	-80.000	11.980	0.000
			BreB	-100.000	11.980	0.000
			AspB	-93.333	11.980	0.000
			PeaB	-93.333	11.980	0.000
			WalB	-93.333	11.980	0.000
			PisB	-80.000	11.980	0.000
			Alm	-53.333	11.980	0.001
			Asp	-100.000	11.980	0.000
			Pea	-93.333	11.980	0.000
			Wal	-100.000	11.980	0.000
			Pis	-100.000	11.980	0.000
		Asp	Alm	46.667	11.980	0.008
			Bre	100.000	11.980	0.000
		Pea	Bre	93.333	11.980	0.000
		Wal	Alm	46.667	11.980	0.008
			Bre	100.000	11.980	0.000
		Pis	Alm	46.667	11.980	0.008
			Bre	100.000	11.980	0.000
	100	AlmB	BreB	-93.333	11.980	0.000
			PeaB	-100.000	11.980	0.000
			WalB	-93.333	11.980	0.000
			PisB	-93.333	11.980	0.000
			Bre	-100.000	11.980	0.000
			Asp	-46.667	11.980	0.008
			Pea	-100.000	11.980	0.000
			Wal	-100.000	11.980	0.000
			Pis	-100.000	11.980	0.000
		BreB	AlmB	93.333	11.980	0.000

	AspB	93.333	11.980	0.000
	Alm	66.667	11.980	0.000
	Asp	46.667	11.980	0.008
AspB	BreB	-93.333	11.980	0.000
	PeaB	-100.000	11.980	0.000
	WalB	-93.333	11.980	0.000
	PisB	-93.333	11.980	0.000
	Bre	-100.000	11.980	0.000
	Asp	-46.667	11.980	0.008
	Pea	-100.000	11.980	0.000
	Wal	-100.000	11.980	0.000
	Pis	-100.000	11.980	0.000
PeaB	AlmB	100.000	11.980	0.000
	AspB	100.000	11.980	0.000
	Alm	73.333	11.980	0.000
	Asp	53.333	11.980	0.001
WalB	AlmB	93.333	11.980	0.000
	AspB	93.333	11.980	0.000
	Alm	66.667	11.980	0.000
	Asp	46.667	11.980	0.008
PisB	AlmB	93.333	11.980	0.000
	AspB	93.333	11.980	0.000
	Alm	66.667	11.980	0.000
	Asp	46.667	11.980	0.008
Alm	BreB	-66.667	11.980	0.000
	PeaB	-73.333	11.980	0.000
	WalB	-66.667	11.980	0.000
	PisB	-66.667	11.980	0.000
	Bre	-73.333	11.980	0.000
	Pea	-73.333	11.980	0.000
	Wal	-73.333	11.980	0.000
	Pis	-73.333	11.980	0.000
Bre	AlmB	100.000	11.980	0.000
	AspB	100.000	11.980	0.000
	Alm	73.333	11.980	0.000
	Asp	53.333	11.980	0.001
Asp	AlmB	46.667	11.980	0.008
	BreB	-46.667	11.980	0.008
	AspB	46.667	11.980	0.008
	PeaB	-53.333	11.980	0.001
	WalB	-46.667	11.980	0.008
	PisB	-46.667	11.980	0.008
	Bre	-53.333	11.980	0.001
	Pea	-53.333	11.980	0.001
	Wal	-53.333	11.980	0.001
	Pis	-53.333	11.980	0.001
Pea	AlmB	100.000	11.980	0.000
	AspB	100.000	11.980	0.000

			Alm	73.333	11.980	0.000
			Asp	53.333	11.980	0.001
		Wal	AlmB	100.000	11.980	0.000
			AspB	100.000	11.980	0.000
			Alm	73.333	11.980	0.000
			Asp	53.333	11.980	0.001
		Pis	AlmB	100.000	11.980	0.000
			AspB	100.000	11.980	0.000
			Alm	73.333	11.980	0.000
			Asp	53.333	11.980	0.001
Arugula	50	AlmB	Asp	60.000	11.980	0.000
		BreB	Alm	86.667	11.980	0.000
			Asp	60.000	11.980	0.000
		AspB	Alm	60.000	11.980	0.000
		WalB	Alm	86.667	11.980	0.000
			Asp	60.000	11.980	0.000
		PisB	Alm	60.000	11.980	0.000
		Alm	AlmB	-86.667	11.980	0.000
			BreB	-86.667	11.980	0.000
			AspB	-60.000	11.980	0.000
			PeaB	-60.000	11.980	0.000
			WalB	-86.667	11.980	0.000
			PisB	-60.000	11.980	0.000
			Bre	-73.333	11.980	0.000
			Pea	-73.333	11.980	0.000
			Wal	-86.667	11.980	0.000
			Pis	-46.667	11.980	0.008
		Bre	Alm	73.333	11.980	0.000
			Asp	46.667	11.980	0.008
		Asp	AlmB	-60.000	11.980	0.000
			BreB	-60.000	11.980	0.000
			WalB	-60.000	11.980	0.000
			Bre	-46.667	11.980	0.008
			Pea	-46.667	11.980	0.008
			Wal	-60.000	11.980	0.000
		Pea	Alm	73.333	11.980	0.000
			Asp	46.667	11.980	0.008
		Wal	Alm	86.667	11.980	0.000
			Asp	60.000	11.980	0.000
		Pis	Alm	46.667	11.980	0.008
	100	AlmB	Alm	73.333	11.980	0.000
			Asp	86.667	11.980	0.000
		BreB	Alm	80.000	11.980	0.000
			Asp	93.333	11.980	0.000
		AspB	Alm	76.667	11.980	0.000
			Asp	90.000	11.980	0.000
		PeaB	Alm	66.667	11.980	0.000
			Asp	80.000	11.980	0.000

	WalB	Alm	80.000	11.980	0.000
		Asp	93.333	11.980	0.000
	PisB	Alm	86.667	11.980	0.000
		Asp	100.000	11.980	0.000
	Alm	AlmB	-73.333	11.980	0.000
		BreB	-80.000	11.980	0.000
		AspB	-76.667	11.980	0.000
		PeaB	-66.667	11.980	0.000
		WalB	-80.000	11.980	0.000
		PisB	-86.667	11.980	0.000
		Bre	-60.000	11.980	0.000
		Pea	-53.333	11.980	0.001
		Wal	-56.667	11.980	0.000
		Pis	-53.333	11.980	0.001
	Bre	Alm	60.000	11.980	0.000
		Asp	73.333	11.980	0.000
	Asp	AlmB	-86.667	11.980	0.000
		BreB	-93.333	11.980	0.000
		AspB	-90.000	11.980	0.000
		PeaB	-80.000	11.980	0.000
		WalB	-93.333	11.980	0.000
		PisB	-100.000	11.980	0.000
		Bre	-73.333	11.980	0.000
		Pea	-66.667	11.980	0.000
		Wal	-70.000	11.980	0.000
		Pis	-66.667	11.980	0.000
	Pea	Alm	53.333	11.980	0.001
		Asp	66.667	11.980	0.000
	Wal	Alm	56.667	11.980	0.000
		Asp	70.000	11.980	0.000
	Pis	Alm	53.333	11.980	0.001
		Asp	66.667	11.980	0.000

Table S9. Seed vigor.

Seed type	Dilution extracts	Types of extract (i)	Types of extract (j)	Mean difference (i-j)	Typical error	P-value
Green peas	100	BreB	Asp	802.947	223.242	0.025
		PeaB	Asp	788.660	223.242	0.032
		Asp	BreB	-802.947	223.242	0.025
			PeaB	-788.660	223.242	0.032
Lettuce	50	BreB	Bre	804.307	223.242	0.024
			Asp	804.307	223.242	0.024
		WalB	Bre	843.427	223.242	0.013
			Asp	843.427	223.242	0.013
		PisB	Bre	827.627	223.242	0.017
			Asp	827.627	223.242	0.017
		Bre	BreB	-804.307	223.242	0.024
			WalB	-843.427	223.242	0.013
			PisB	-827.627	223.242	0.017
		Asp	BreB	-804.307	223.242	0.024
			WalB	-843.427	223.242	0.013
			PisB	-827.627	223.242	0.017
	100	PeaB	Bre	859.613	223.242	0.010
			Asp	859.613	223.242	0.010
		WalB	Alm	811.820	223.242	0.022
			Bre	954.500	223.242	0.002
			Asp	954.500	223.242	0.002
			Pea	854.513	223.242	0.010
		PisB	Bre	827.227	223.242	0.017
			Asp	827.227	223.242	0.017
		Alm	WalB	-811.820	223.242	0.022
		Bre	PeaB	-859.613	223.242	0.010
			WalB	-954.500	223.242	0.002
			PisB	-827.227	223.242	0.017
		Asp	PeaB	-859.613	223.242	0.010
			WalB	-954.500	223.242	0.002
			PisB	-827.227	223.242	0.017
		Pea	WalB	-854.513	223.242	0.010
Radish	50	AlmB	BreB	-1112.773	223.242	0.000
			PeaB	-1301.273	223.242	0.000
			WalB	-1272.240	223.242	0.000
			PisB	-829.627	223.242	0.016
			Pea	-906.287	223.242	0.004
			Wal	-1263.547	223.242	0.000
			Pis	-1073.613	223.242	0.000
		BreB	AlmB	1112.773	223.242	0.000
			Alm	980.727	223.242	0.001
			Bre	1535.027	223.242	0.000
		AspB	PeaB	-843.247	223.242	0.013

		WalB	-814.213	223.242	0.021
		Bre	880.280	223.242	0.007
		Wal	-805.520	223.242	0.024
	PeaB	AlmB	1301.273	223.242	0.000
		AspB	843.247	223.242	0.013
		Alm	1169.227	223.242	0.000
		Bre	1723.527	223.242	0.000
		Asp	893.213	223.242	0.005
	WalB	AlmB	1272.240	223.242	0.000
		AspB	814.213	223.242	0.021
		Alm	1140.193	223.242	0.000
		Bre	1694.493	223.242	0.000
		Asp	864.180	223.242	0.009
	PisB	AlmB	829.627	223.242	0.016
		Bre	1251.880	223.242	0.000
	Alm	BreB	-980.727	223.242	0.001
		PeaB	-1169.227	223.242	0.000
		WalB	-1140.193	223.242	0.000
		Pea	-774.240	223.242	0.040
		Wal	-1131.500	223.242	0.000
		Pis	-941.567	223.242	0.002
	Bre	BreB	-1535.027	223.242	0.000
		AspB	-880.280	223.242	0.007
		PeaB	-1723.527	223.242	0.000
		WalB	-1694.493	223.242	0.000
		PisB	-1251.880	223.242	0.000
		Asp	-830.313	223.242	0.016
		Pea	-1328.540	223.242	0.000
		Wal	-1685.800	223.242	0.000
		Pis	-1495.867	223.242	0.000
	Asp	PeaB	-893.213	223.242	0.005
		WalB	-864.180	223.242	0.009
		Bre	830.313	223.242	0.016
		Wal	-855.487	223.242	0.010
	Pea	AlmB	906.287	223.242	0.004
		Alm	774.240	223.242	0.040
		Bre	1328.540	223.242	0.000
	Wal	AlmB	1263.547	223.242	0.000
		AspB	805.520	223.242	0.024
		Alm	1131.500	223.242	0.000
		Bre	1685.800	223.242	0.000
	Pis	AlmB	1073.613	223.242	0.000
		Alm	941.567	223.242	0.002
		Bre	1495.867	223.242	0.000
100	AlmB	BreB	-1467.367	223.242	0.000
		PeaB	-1647.153	223.242	0.000
		WalB	-1327.360	223.242	0.000
		PisB	-1584.920	223.242	0.000

	Bre	-1652.553	223.242	0.000
	Pea	-1474.327	223.242	0.000
	Wal	-1799.800	223.242	0.000
	Pis	-1343.733	223.242	0.000
BreB	AlmB	1467.367	223.242	0.000
	AspB	1467.367	223.242	0.000
	Alm	1339.700	223.242	0.000
	Asp	1148.580	223.242	0.000
AspB	BreB	-1467.367	223.242	0.000
	PeaB	-1647.153	223.242	0.000
	WalB	-1327.360	223.242	0.000
	PisB	-1584.920	223.242	0.000
	Bre	-1652.553	223.242	0.000
	Pea	-1474.327	223.242	0.000
	Wal	-1799.800	223.242	0.000
	Pis	-1343.733	223.242	0.000
PeaB	AlmB	1647.153	223.242	0.000
	AspB	1647.153	223.242	0.000
	Alm	1519.487	223.242	0.000
	Asp	1328.367	223.242	0.000
WalB	AlmB	1327.360	223.242	0.000
	AspB	1327.360	223.242	0.000
	Alm	1199.693	223.242	0.000
	Asp	1008.573	223.242	0.001
PisB	AlmB	1584.920	223.242	0.000
	AspB	1584.920	223.242	0.000
	Alm	1457.253	223.242	0.000
	Asp	1266.133	223.242	0.000
Alm	BreB	-1339.700	223.242	0.000
	PeaB	-1519.487	223.242	0.000
	WalB	-1199.693	223.242	0.000
	PisB	-1457.253	223.242	0.000
	Bre	-1524.887	223.242	0.000
	Pea	-1346.660	223.242	0.000
	Wal	-1672.133	223.242	0.000
	Pis	-1216.067	223.242	0.000
Bre	AlmB	1652.553	223.242	0.000
	AspB	1652.553	223.242	0.000
	Alm	1524.887	223.242	0.000
	Asp	1333.767	223.242	0.000
Asp	BreB	-1148.580	223.242	0.000
	PeaB	-1328.367	223.242	0.000
	WalB	-1008.573	223.242	0.001
	PisB	-1266.133	223.242	0.000
	Bre	-1333.767	223.242	0.000
	Pea	-1155.540	223.242	0.000
	Wal	-1481.013	223.242	0.000
	Pis	-1024.947	223.242	0.000

		Pea	AlmB	1474.327	223.242	0.000
			AspB	1474.327	223.242	0.000
			Alm	1346.660	223.242	0.000
			Asp	1155.540	223.242	0.000
		Wal	AlmB	1799.800	223.242	0.000
			AspB	1799.800	223.242	0.000
			Alm	1672.133	223.242	0.000
			Asp	1481.013	223.242	0.000
		Pis	AlmB	1343.733	223.242	0.000
			AspB	1343.733	223.242	0.000
			Alm	1216.067	223.242	0.000
			Asp	1024.947	223.242	0.000
Arugula	50	Alm	Wal	-811.607	223.242	0.022
		Asp	Wal	-784.647	223.242	0.034
		Wal	Alm	811.607	223.242	0.022
			Asp	784.647	223.242	0.034
	100	PisB	Asp	768.267	223.242	0.044
		Asp	PiB	-768.267	223.242	0.044
			Wal	-768.397	223.242	0.044
		Wal	Asp	768.397	223.242	0.044