

Ecography

E5863

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Supplementary material

Table S1. Alternative linear regression models for prediction of non-native species invasion and native species richness. Information theoretic statistics for the best approximating model for each dependent variable, i.e., the model that minimized AIC_c , are enclosed within a rectangle. Abbreviations for variables follow Table 2. k = number of parameters included in model.

model	Non-native relative cover						<i>Phalaris arundinacea</i> cover						Non-native richness						Native richness						Native-non-native residuals						
	k	SS _{residual}	AIC_c	Δ_i	w_i	w_i	SS _{residual}	AIC_c	Δ_i	w_i	w_i	SS _{residual}	AIC_c	Δ_i	w_i	w_i	SS _{residual}	AIC_c	Δ_i	w_i	w_i	SS _{residual}	AIC_c	Δ_i	w_i	w_i	SS _{residual}	AIC_c	Δ_i	w_i	w_i
DEV+AGE	4	10982	270.25	13.58	0.000	0.000	2.199	31.80	23.53	0.000	0.000	1280	210.07	11.63	0.001	0.001	8794	264.03	8.06	0.009	0.009	1132	206.64	12.79	0.000	0.000	1132	206.64	12.79	0.000	0.000
DEV+AREA	4	10627	269.33	12.66	0.001	0.000	2.086	30.33	22.05	0.000	0.000	1096	205.72	7.28	0.007	0.006	9068	264.89	8.92	0.006	0.006	985	202.74	8.90	0.003	0.003	985	202.74	8.90	0.003	0.003
DEV	3	10985	267.52	10.84	0.001	0.000	2.200	29.08	20.80	0.000	0.000	1282	207.37	8.92	0.003	0.003	9394	263.14	7.17	0.014	0.014	1133	203.91	10.07	0.002	0.002	1133	203.91	10.07	0.002	0.002
DEV+DEV ²	4	10744	269.64	12.96	0.000	0.000	2.200	31.82	23.54	0.000	0.000	1174	207.66	9.21	0.003	0.003	7652	260.14	4.16	0.065	0.065	1085	205.44	11.59	0.001	0.001	1085	205.44	11.59	0.001	0.001
WAT+AGE	4	10774	269.72	13.04	0.000	0.000	2.290	32.94	24.67	0.000	0.000	1316	210.85	12.41	0.001	0.001	9822	267.13	11.15	0.002	0.002	1239	209.15	15.31	0.000	0.000	1239	209.15	15.31	0.000	0.000
WAT+AREA	4	10608	269.28	12.61	0.001	0.001	2.162	31.33	23.05	0.000	0.000	1141	206.85	8.40	0.004	0.004	9665	266.67	10.70	0.002	0.002	1133	206.64	12.80	0.000	0.000	1133	206.64	12.80	0.000	0.000
WAT	3	10775	266.98	10.31	0.002	0.000	2.294	30.25	21.97	0.000	0.000	1316	208.12	9.67	0.002	0.002	10676	266.72	10.75	0.002	0.002	1246	206.57	12.72	0.000	0.000	1246	206.57	12.72	0.000	0.000
WAT+WAT ²	4	9827	267.14	10.47	0.002	0.000	2.150	31.17	22.90	0.000	0.000	1307	210.65	12.20	0.001	0.001	10495	268.98	13.01	0.001	0.001	1242	209.22	15.38	0.000	0.000	1242	209.22	15.38	0.000	0.000
NH4+AGE	4	10840	269.89	13.21	0.000	0.000	2.191	31.70	23.43	0.000	0.000	1413	212.83	14.38	0.000	0.000	8355	262.60	6.62	0.019	0.019	1332	211.18	17.34	0.000	0.000	1332	211.18	17.34	0.000	0.000
NH4+AREA	4	10516	269.04	12.36	0.001	0.000	2.055	29.91	21.63	0.000	0.000	1282	210.12	11.67	0.001	0.001	8108	261.76	5.79	0.029	0.029	1233	209.02	15.18	0.000	0.000	1233	209.02	15.18	0.000	0.000
NH4	3	10896	267.29	10.62	0.002	0.000	2.243	29.62	21.35	0.000	0.000	1414	210.11	11.66	0.001	0.001	8395	259.99	4.02	0.070	0.070	1334	208.49	14.65	0.000	0.000	1334	208.49	14.65	0.000	0.000
NO3+AGE	4	7556	259.78	3.11	0.064	0.064	1.183	14.44	6.17	0.033	0.033	1415	212.87	14.42	0.000	0.000	7999	261.38	5.40	0.035	0.035	1322	210.97	17.13	0.000	0.000	1322	210.97	17.13	0.000	0.000
NO3+AREA	4	7455	259.40	2.73	0.078	0.078	1.125	13.04	4.76	0.066	0.066	1281	210.09	11.64	0.001	0.001	7916	261.08	5.11	0.040	0.040	1245	209.30	15.45	0.000	0.000	1245	209.30	15.45	0.000	0.000
NO3	3	7563	257.07	0.39	0.251	0.251	1.192	11.92	3.64	0.116	0.116	1415	210.13	11.68	0.001	0.001	8785	261.26	5.29	0.037	0.037	1329	208.38	14.53	0.000	0.000	1329	208.38	14.53	0.000	0.000
DIST	3	10170	265.36	8.69	0.004	0.000	1.905	25.05	16.77	0.000	0.000	973	199.66	1.21	0.142	0.142	10009	264.92	8.94	0.006	0.006	807	194.41	0.57	0.202	0.202	807	194.41	0.57	0.202	0.202
DIST+AGE	4	9884	267.30	10.63	0.002	0.002	1.725	25.01	16.73	0.000	0.000	851	198.63	0.19	0.237	0.237	9640	266.60	10.63	0.003	0.003	717	193.84	0	0.269	0.269	717	193.84	0	0.269	0.269
DIST+AREA	4	9868	267.26	10.58	0.002	0.000	1.758	25.54	17.26	0.000	0.000	845	198.45	0	0.260	0.260	9430	265.98	10.01	0.003	0.003	720	193.95	0.11	0.255	0.255	720	193.95	0.11	0.255	0.255
DIST+DIST ²	4	10054	267.78	11.11	0.001	0.001	1.729	25.07	16.80	0.000	0.000	951	201.76	3.31	0.050	0.050	9441	266.02	10.05	0.003	0.003	800	196.89	3.05	0.059	0.059	800	196.89	3.05	0.059	0.059
DEV+NO3	4	7171	258.32	1.64	0.134	0.134	1.182	14.42	6.15	0.033	0.033	1274	209.94	11.50	0.001	0.001	6595	255.97	0	0.521	0.521	1082	205.37	11.53	0.001	0.001	1082	205.37	11.53	0.001	0.001
DEV+NH4	4	10881	269.99	13.32	0.000	0.000	2.085	30.31	22.04	0.000	0.000	1270	209.85	11.40	0.001	0.001	7680	260.24	4.27	0.062	0.062	1133	206.65	12.81	0.000	0.000	1133	206.65	12.81	0.000	0.000
WAT+NO3	4	6762	256.68	0	0.305	0.305	1.186	14.52	6.24	0.032	0.032	1312	210.76	12.31	0.001	0.001	8720	263.79	7.82	0.010	0.010	1212	208.54	14.70	0.000	0.000	1212	208.54	14.70	0.000	0.000
WAT+NH4	4	10714	269.56	12.88	0.000	0.000	2.202	31.84	23.57	0.000	0.000	1305	210.60	12.16	0.001	0.001	8248	262.24	6.26	0.023	0.023	1245	209.30	15.45	0.000	0.000	1245	209.30	15.45	0.000	0.000
DIST+NO3	4	7120	258.12	1.44	0.148	0.148	0.949	8.27	0	0.719	0.719	965	202.15	3.70	0.041	0.041	8391	262.72	6.75	0.018	0.018	807	197.15	3.30	0.052	0.052	807	197.15	3.30	0.052	0.052
DIST+NH4	4	10168	268.10	11.42	0.001	0.001	1.905	27.78	19.51	0.000	0.000	849	198.57	0.13	0.244	0.244	8361	262.62	6.64	0.019	0.019	746	194.96	1.11	0.154	0.154	746	194.96	1.11	0.154	0.154

Table S2. Alternative logistic regression models for prediction of non-native species occurrences. Information theoretic statistics for the best approximating model for each species, i.e., the model that minimized AIC_c , are enclosed within a rectangle. Abbreviations for variables follow Table 2. k = number of parameters included in model, LL = log-likelihood.

Model	k	<i>Alliaria petiolata</i>			<i>Bromus inermis</i>			<i>Bromus japonicus</i>			<i>Cirsium arvense</i>			<i>Cirsium vulgare</i>							
		LL	AIC_c	Δ_i	w_i	LL	AIC_c	Δ_i	w_i	LL	AIC_c	Δ_i	w_i	LL	AIC_c	Δ_i	w_i				
DEV+AGE	3	-14.98	36.95	6.54	0.009	-16.39	39.78	4.60	0.019	-17.92	42.84	2.42	0.057	-15.70	38.40	19.13	0.000	-16.76	40.52	13.02	0.000
DEV+AREA	3	-15.45	37.89	7.48	0.006	-15.86	38.73	3.55	0.031	-17.32	41.63	1.21	0.105	-14.60	36.20	16.93	0.000	-17.14	41.28	13.78	0.000
DEV	2	-15.47	35.41	5.00	0.019	-16.50	37.47	2.30	0.059	-17.97	40.42	0	0.192	-15.87	36.22	16.95	0.000	-17.22	38.91	11.41	0.001
WAT+AGE	3	-15.31	37.61	7.20	0.006	-16.70	40.40	5.23	0.014	-18.49	43.98	3.56	0.032	-14.50	36.00	16.72	0.000	-14.44	35.88	8.38	0.005
WAT+AREA	3	-15.63	38.25	7.84	0.005	-15.74	38.48	3.31	0.036	-18.26	43.52	3.10	0.041	-12.22	31.44	12.17	0.001	-14.40	35.79	8.29	0.005
WAT	2	-15.41	37.81	7.40	0.006	-16.75	37.98	2.81	0.046	-18.49	41.46	1.04	0.114	-14.89	34.27	14.99	0.000	-14.96	34.40	6.90	0.010
NH4+AGE	3	-15.47	37.94	7.53	0.005	-16.27	39.55	4.38	0.021	-19.16	45.32	4.90	0.017	-14.64	36.27	17.00	0.000	-14.50	36.00	8.50	0.004
NH4+AREA	3	-15.56	35.61	5.19	0.017	-16.29	37.07	1.89	0.072	-19.22	42.92	2.50	0.055	-13.58	34.16	14.88	0.000	-14.34	35.68	8.18	0.005
NH4	2	-12.61	32.21	1.80	0.094	-16.66	40.31	5.14	0.014	-19.41	45.82	5.40	0.013	-17.33	33.91	14.63	0.000	-14.51	33.51	6.01	0.016
NO3+AGE	3	-12.97	32.93	2.52	0.066	-15.99	38.99	3.81	0.028	-19.16	45.31	4.89	0.017	-17.34	41.69	22.41	0.000	-16.65	40.30	12.80	0.001
NO3+AREA	3	-12.97	30.41	0	0.231	-16.71	37.89	2.72	0.048	-19.41	43.30	2.88	0.046	-17.75	39.97	20.70	0.000	-16.65	37.79	10.29	0.002
NO3	2	-14.07	32.61	2.20	0.077	-15.35	35.17	0	0.186	-19.40	43.29	2.87	0.046	-7.99	20.47	1.19	0.187	-11.51	27.50	0	0.312
DIST	2	-14.05	35.10	4.68	0.022	-15.15	37.30	2.13	0.064	-19.40	45.80	5.38	0.013	-6.37	19.73	0.46	0.270	-11.20	29.40	1.90	0.121
DIST+AGE	3	-13.94	34.89	4.47	0.025	-14.38	35.77	0.60	0.138	-19.15	45.30	4.88	0.017	-6.14	19.28	0	0.339	-11.32	29.64	2.14	0.107
DIST+AREA	3	-12.95	32.90	2.49	0.067	-16.49	39.97	4.80	0.017	-17.88	42.76	2.34	0.060	-14.54	36.07	16.80	0.000	-15.88	38.77	11.27	0.001
DEV+NO3	3	-15.14	37.29	6.87	0.007	-16.75	40.50	5.33	0.013	-17.93	42.86	2.44	0.057	-12.84	32.68	13.41	0.000	-14.41	35.83	8.33	0.005
DEV+NH4	3	-12.96	32.92	2.51	0.066	-16.70	40.41	5.23	0.014	-18.44	43.88	3.46	0.034	-12.98	32.96	13.68	0.000	-12.24	31.49	3.99	0.043
WAT+NO3	3	-15.37	37.73	7.32	0.006	-16.27	39.54	4.37	0.021	-18.44	43.88	3.46	0.034	-12.29	31.58	12.30	0.001	-12.73	32.46	4.96	0.026
WAT+NH4	3	-11.73	30.46	0.05	0.226	-15.34	37.69	2.51	0.053	-19.40	45.81	5.39	0.013	-7.99	22.99	3.71	0.053	-11.11	29.21	1.71	0.133
DIST+NO3	3	-14.01	35.01	4.60	0.023	-15.33	37.65	2.48	0.054	-19.20	45.41	4.99	0.016	-6.98	20.95	1.68	0.147	-10.68	28.37	0.87	0.202

Table S2. Continued.

Model	k	<i>Daucus carota</i>				<i>Elytrigia repens</i>				<i>Festuca arundinacea</i>				<i>Glechohnia bederacea</i>				<i>Lactuca serriola</i>			
		LL	AIC _c	Δ_i	w _i	LL	AIC _c	Δ_i	w _i	LL	AIC _c	Δ_i	w _i	LL	AIC _c	Δ_i	w _i	LL	AIC _c	Δ_i	w _i
DEV+AGE	3	-16.46	39.92	2.20	0.063	-14.63	36.25	9.26	0.004	-11.37	29.73	0	0.400	-14.95	36.91	6.54	0.010	-17.37	41.74	7.02	0.017
DEV+AREA	3	-16.21	39.43	1.71	0.080	-16.70	40.41	13.41	0.000	-13.40	33.80	4.06	0.052	-14.88	36.76	6.40	0.011	-18.22	43.45	8.73	0.007
DEV	2	-16.94	38.36	0.64	0.137	-16.73	37.94	10.95	0.002	-13.43	31.33	1.60	0.180	-14.96	34.41	4.04	0.036	-18.68	41.84	7.12	0.017
WAT+AGE	3	-17.19	41.38	3.66	0.030	-14.36	35.73	8.73	0.005	-13.57	34.14	4.41	0.044	-15.66	38.33	7.96	0.005	-17.93	42.85	8.13	0.010
WAT+AREA	3	-17.80	42.61	4.89	0.016	-16.31	39.62	12.63	0.001	-14.37	35.73	6.00	0.020	-15.71	38.42	8.06	0.005	-18.53	44.06	9.34	0.005
WAT	2	-18.01	40.49	2.77	0.047	-16.31	37.10	10.11	0.002	-14.37	33.22	3.48	0.070	-15.71	35.91	5.54	0.017	-18.88	42.25	7.53	0.014
NH4+AGE	3	-18.53	44.06	6.34	0.008	-14.63	36.26	9.27	0.004	-16.15	39.30	9.57	0.003	-15.70	38.39	8.02	0.005	-13.86	34.72	0	0.582
NH4+AREA	3	-18.64	44.28	6.56	0.007	-16.41	39.82	12.83	0.001	-16.54	40.07	10.34	0.002	-15.73	38.45	8.09	0.005	-17.06	41.12	6.40	0.024
NH4	2	-18.91	42.31	4.59	0.019	-16.42	37.32	10.33	0.002	-16.66	37.80	8.06	0.007	-15.73	35.95	5.58	0.017	-17.53	39.54	4.82	0.052
NO3+AGE	3	-18.53	44.06	6.34	0.008	-14.68	36.35	9.36	0.004	-15.91	38.81	9.08	0.004	-14.38	35.75	5.38	0.018	-17.41	41.81	7.09	0.017
NO3+AREA	3	-19.15	45.30	7.59	0.004	-16.72	40.43	13.44	0.000	-16.44	39.88	10.15	0.003	-14.37	35.73	5.36	0.019	-17.56	42.12	7.40	0.014
NO3	2	-19.29	43.07	5.35	0.013	-16.75	37.98	10.99	0.002	-16.49	37.46	7.73	0.008	-14.44	33.35	2.98	0.061	-18.42	41.32	6.60	0.021
DIST	2	-16.62	37.72	0	0.189	-11.26	26.99	0	0.378	-16.73	37.94	8.20	0.007	-13.48	31.45	1.08	0.159	-18.62	41.72	7.00	0.018
DIST+AGE	3	-16.58	40.17	2.45	0.055	-11.08	29.15	2.16	0.128	-16.10	39.20	9.46	0.004	-11.68	30.37	0	0.273	-18.11	43.22	8.50	0.008
DIST+AREA	3	-16.45	39.89	2.18	0.064	-11.26	29.51	2.52	0.107	-16.64	40.28	10.54	0.002	-13.48	33.96	3.60	0.045	-18.00	42.99	8.27	0.009
DEV+NO3	3	-16.37	39.74	2.02	0.069	-16.73	40.46	13.47	0.000	-13.42	33.85	4.11	0.051	-14.03	35.07	4.70	0.026	-17.63	42.26	7.54	0.013
DEV+NH4	3	-16.73	40.47	2.75	0.048	-16.42	39.84	12.85	0.001	-12.95	32.90	3.17	0.082	-14.96	36.92	6.56	0.010	-17.20	41.41	6.69	0.021
WAT+NO3	3	-17.63	42.26	4.54	0.019	-16.29	39.58	12.59	0.001	-14.32	35.63	5.90	0.021	-14.19	35.39	5.02	0.022	-17.97	42.94	8.22	0.010
WAT+NH4	3	-17.80	42.61	4.89	0.016	-16.12	39.23	12.24	0.001	-13.82	34.63	4.90	0.035	-15.69	38.38	8.01	0.005	-17.49	41.98	7.26	0.015
DIST+NO3	3	-16.61	40.23	2.51	0.054	-11.13	29.26	2.27	0.122	-16.49	39.97	10.24	0.002	-12.54	32.07	1.71	0.116	-17.72	42.44	7.72	0.012
DIST+NH4	3	-16.62	40.23	2.51	0.054	-10.47	27.94	0.95	0.236	-16.66	40.32	10.58	0.002	-12.40	31.79	1.42	0.134	-15.50	37.99	3.27	0.113

Table S2. Continued.

Model	k	<i>Lysimachia nummularia</i>				<i>Medicago lupulina</i>				<i>Melilotus albus</i>				<i>Melilotus officinalis</i>				<i>Morus alba</i>			
		LL	AIC _c	Δ_i	w _i	LL	AIC _c	Δ_i	w _i	LL	AIC _c	Δ_i	w _i	LL	AIC _c	Δ_i	w _i	LL	AIC _c	Δ_i	w _i
DEV+AGE	3	-14.41	35.81	4.27	0.021	-17.12	41.24	6.56	0.011	-15.71	38.43	5.10	0.023	-13.04	33.09	3.38	0.075	-16.67	40.34	2.49	0.064
DEV+AREA	3	-12.27	31.54	0	0.181	-17.49	41.99	7.31	0.008	-13.86	34.72	1.39	0.147	-13.02	33.04	3.33	0.077	-16.50	39.99	2.14	0.076
DEV	2	-14.62	33.71	2.17	0.061	-17.52	39.51	4.83	0.027	-15.74	35.97	2.64	0.079	-14.17	32.82	3.11	0.086	-16.69	37.85	0	0.222
WAT+AGE	3	-15.54	38.07	6.53	0.007	-17.22	41.45	6.76	0.010	-17.78	42.55	9.22	0.003	-18.42	43.84	14.13	0.000	-17.74	42.48	4.63	0.022
WAT+AREA	3	-14.51	36.02	4.48	0.019	-17.36	41.72	7.03	0.009	-16.41	39.82	6.50	0.011	-18.28	43.57	13.86	0.000	-17.60	42.20	4.35	0.025
WAT	2	-15.59	35.66	4.12	0.023	-17.58	39.64	4.96	0.025	-17.97	40.41	7.09	0.009	-18.54	41.55	11.84	0.001	-17.76	40.01	2.16	0.076
NH4+AGE	3	-13.39	33.77	2.23	0.059	-15.10	37.20	2.52	0.085	-17.96	42.93	9.60	0.002	-18.13	43.25	13.54	0.000	-18.51	44.01	6.16	0.010
NH4+AREA	3	-12.42	31.83	0.29	0.157	-14.92	36.85	2.17	0.102	-17.03	41.05	7.73	0.006	-18.03	43.06	13.35	0.001	-18.50	44.00	6.14	0.010
NH4	2	-14.16	32.80	1.26	0.096	-15.10	34.68	0	0.300	-18.02	40.52	7.19	0.008	-18.13	40.73	11.02	0.002	-18.52	41.51	3.66	0.036
NO3+AGE	3	-15.62	38.24	6.70	0.006	-17.21	41.41	6.73	0.010	-16.39	39.78	6.46	0.012	-15.38	37.75	8.05	0.007	-17.83	42.67	4.81	0.020
NO3+AREA	3	-14.61	36.22	4.68	0.017	-17.53	42.05	7.37	0.008	-15.41	37.82	4.49	0.031	-15.15	37.30	7.60	0.009	-17.83	42.65	4.80	0.020
NO3	2	-15.68	35.83	4.29	0.021	-17.57	39.62	4.93	0.025	-16.69	37.85	4.53	0.031	-15.42	35.31	5.61	0.025	-17.86	40.20	2.35	0.069
DIST	2	-15.21	34.90	3.36	0.034	-17.57	39.62	4.93	0.025	-15.54	35.55	2.22	0.097	-18.46	41.40	11.69	0.001	-18.31	41.09	3.24	0.044
DIST+AGE	3	-14.81	36.61	5.07	0.014	-17.19	41.38	6.70	0.011	-15.36	37.72	4.39	0.033	-17.97	42.93	13.23	0.001	-18.27	43.53	5.68	0.013
DIST+AREA	3	-14.20	35.41	3.86	0.026	-17.53	42.07	7.38	0.007	-14.41	35.82	2.49	0.085	-18.30	43.59	13.88	0.000	-18.30	43.61	5.75	0.013
DEV+NO3	3	-14.32	35.64	4.10	0.023	-17.48	41.96	7.28	0.008	-14.70	36.41	3.08	0.063	-11.35	29.71	0	0.408	-16.26	39.51	1.66	0.097
DEV+NH4	3	-12.43	31.85	0.31	0.155	-14.99	36.97	2.29	0.095	-15.74	38.47	5.15	0.022	-11.72	30.43	0.72	0.284	-16.59	40.18	2.33	0.069
WAT+NO3	3	-15.47	37.94	6.40	0.007	-17.56	42.12	7.44	0.007	-16.57	40.13	6.81	0.010	-15.36	37.72	8.01	0.007	-17.17	41.34	3.49	0.039
WAT+NH4	3	-14.16	35.31	3.77	0.028	-14.86	36.72	2.04	0.108	-17.83	42.66	9.33	0.003	-17.65	42.30	12.59	0.001	-17.69	42.38	4.53	0.023
DIST+NO3	3	-15.18	37.37	5.82	0.010	-17.55	42.10	7.41	0.007	-13.16	33.33	0	0.295	-14.84	36.68	6.97	0.012	-17.15	41.30	3.44	0.040
DIST+NH4	3	-14.02	35.03	3.49	0.032	-14.85	36.70	2.02	0.109	-15.43	37.86	4.53	0.031	-17.15	41.29	11.58	0.001	-18.24	43.49	5.64	0.013

Table S2. Continued.

Model	k	<i>Pastinaca sativa</i>				<i>Phalaris arundinacea</i>				<i>Poa pratensis</i>				<i>Persicaria vulgaris</i>				<i>Tanacetum</i> sect. <i>Ruderalia</i>			
		LL	AIC _c	Δ_i	w _i	LL	AIC _c	Δ_i	w _i	LL	AIC _c	Δ_i	w _i	LL	AIC _c	Δ_i	w _i	LL	AIC _c	Δ_i	w _i
DEV+AGE	3	-19.04	45.07	8.11	0.004	-14.59	36.18	14.62	0.000	-18.12	43.23	5.31	0.014	-16.26	39.52	2.04	0.040	-15.72	38.45	18.82	0.000
DEV+AREA	3	-18.72	44.44	7.48	0.006	-14.52	36.04	14.48	0.000	-16.02	39.05	1.13	0.112	-15.26	37.52	0.04	0.108	-16.66	40.31	20.68	0.000
DEV	2	-19.10	42.67	5.71	0.014	-15.33	35.14	13.58	0.000	-18.15	40.78	2.86	0.047	-17.54	39.56	2.07	0.039	-17.24	38.95	19.33	0.000
WAT+AGE	3	-19.04	45.08	8.11	0.004	-14.79	36.59	15.03	0.000	-19.10	45.20	7.28	0.005	-16.23	39.47	1.98	0.041	-15.98	38.95	19.32	0.000
WAT+AREA	3	-18.76	44.52	7.55	0.006	-14.48	35.96	14.40	0.000	-18.16	43.33	5.41	0.013	-15.59	38.18	0.69	0.077	-17.14	41.29	21.66	0.000
WAT	2	-19.11	42.70	5.73	0.014	-15.41	35.29	13.73	0.000	-19.10	42.68	4.76	0.018	-17.56	39.60	2.11	0.038	-17.57	39.62	19.99	0.000
NH4+AGE	3	-19.05	45.09	8.13	0.004	-15.08	37.17	15.61	0.000	-19.33	45.66	7.74	0.004	-16.22	39.44	1.96	0.041	-15.97	38.94	19.32	0.000
NH4+AREA	3	-18.71	44.42	7.45	0.006	-14.60	36.19	14.63	0.000	-18.05	43.10	5.18	0.015	-15.24	37.48	0	0.109	-16.96	40.91	21.28	0.000
NH4	2	-19.09	42.65	5.69	0.014	-15.69	35.86	14.30	0.000	-19.33	43.14	5.22	0.014	-17.48	39.43	1.95	0.041	-17.42	39.31	19.69	0.000
NO3+AGE	3	-17.57	42.14	5.18	0.019	-14.94	36.88	15.32	0.000	-18.99	44.98	7.06	0.006	-16.14	39.28	1.79	0.045	-16.00	39.01	19.38	0.000
NO3+AREA	3	-17.38	41.76	4.80	0.023	-14.56	36.13	14.57	0.000	-17.84	42.69	4.77	0.018	-15.25	37.50	0.02	0.109	-17.21	41.42	21.79	0.000
NO3	2	-17.63	39.73	2.77	0.062	-15.55	35.58	14.02	0.000	-18.99	42.46	4.54	0.020	-17.47	39.42	1.94	0.041	-17.57	39.61	19.98	0.000
DIST	2	-16.24	36.96	0	0.248	-8.54	21.56	0	0.421	-16.73	37.94	0.02	0.194	-17.58	39.64	2.16	0.037	-7.57	19.63	0	0.407
DIST+AGE	3	-15.83	38.66	1.69	0.106	-8.51	24.02	2.46	0.123	-15.98	38.96	1.04	0.117	-15.93	38.87	1.38	0.055	-7.36	21.73	2.10	0.143
DIST+AREA	3	-15.82	38.65	1.68	0.107	-8.12	23.23	1.67	0.182	-15.46	37.92	0	0.196	-15.26	37.51	0.03	0.108	-7.47	21.94	2.32	0.128
DEV+NO3	3	-17.41	41.82	4.86	0.022	-15.23	37.46	15.90	0.000	-17.37	41.74	3.82	0.029	-17.45	41.91	4.42	0.012	-17.16	41.33	21.70	0.000
DEV+NH4	3	-19.07	45.14	8.18	0.004	-15.19	37.38	15.82	0.000	-18.13	43.25	5.33	0.014	-17.45	41.90	4.42	0.012	-17.13	41.27	21.64	0.000
WAT+NO3	3	-17.60	42.21	5.24	0.018	-15.29	37.58	16.02	0.000	-18.61	44.22	6.30	0.008	-17.47	41.93	4.45	0.012	-17.55	42.09	22.47	0.000
WAT+NH4	3	-19.06	45.12	8.16	0.004	-15.26	37.52	15.96	0.000	-19.10	45.20	7.28	0.005	-17.47	41.94	4.46	0.012	-17.42	41.83	22.21	0.000
DIST+NO3	3	-15.17	37.35	0.38	0.205	-8.53	24.06	2.50	0.121	-16.60	40.20	2.28	0.063	-17.47	41.93	4.45	0.012	-7.05	21.11	1.48	0.194
DIST+NH4	3	-15.81	38.62	1.66	0.108	-8.31	23.63	2.07	0.150	-16.28	39.56	1.64	0.086	-17.46	41.93	4.44	0.012	-7.47	21.95	2.32	0.128

Table S2. Continued.

Model	k	<i>Trifolium pratense</i>				<i>Typha angustifolia</i>			
		LL	AIC _c	Δ_i	w _i	LL	AIC _c	Δ_i	w _i
DEV+AGE	3	-16.34	39.67	6.25	0.012	-10.09	27.18	0.56	0.266
DEV+AREA	3	-14.66	36.32	2.90	0.063	-10.20	27.39	0.77	0.239
DEV	2	-17.00	38.49	5.07	0.021	-12.73	29.94	3.32	0.067
WAT+AGE	3	-17.08	41.17	7.75	0.006	-17.03	41.05	14.43	0.000
WAT+AREA	3	-16.19	39.37	5.96	0.014	-15.69	38.37	11.75	0.001
WAT	2	-17.58	39.64	6.22	0.012	-17.40	39.28	12.67	0.001
NH ₄ +AGE	3	-15.13	37.25	3.84	0.039	-19.01	45.02	18.40	0.000
NH ₄ +AREA	3	-13.21	33.42	0	0.268	-19.00	44.99	18.37	0.000
NH ₄	2	-15.14	34.75	1.34	0.138	-19.25	42.99	16.37	0.000
NO ₃ +AGE	3	-16.49	39.97	6.55	0.010	-15.50	37.99	11.38	0.001
NO ₃ +AREA	3	-14.45	35.89	2.47	0.078	-15.06	37.11	10.49	0.002
NO ₃	2	-16.94	38.36	4.94	0.023	-15.72	35.92	9.30	0.003
DIST	2	-17.51	39.49	6.07	0.013	-18.08	40.65	14.03	0.000
DIST+AGE	3	-16.57	40.14	6.72	0.009	-16.31	39.62	13.00	0.001
DIST+AREA	3	-15.65	38.29	4.88	0.023	-17.79	42.59	15.97	0.000
DEV+NO ₃	3	-16.56	40.12	6.70	0.009	-9.81	26.62	0	0.352
DEV+NH ₄	3	-14.28	35.55	2.13	0.092	-11.66	30.33	3.71	0.055
WAT+NO ₃	3	-16.91	40.81	7.39	0.007	-14.38	35.77	9.15	0.004
WAT+NH ₄	3	-14.99	36.97	3.55	0.045	-16.98	40.96	14.34	0.000
DIST+NO ₃	3	-16.80	40.59	7.17	0.007	-13.56	34.11	7.50	0.008
DIST+NH ₄	3	-14.11	35.22	1.80	0.109	-17.33	41.66	15.04	0.000