Generalized linear model results for factors influencing taxa presence

Supplementary Figure 4: Least Squares Fit Chironomidae

Scaled Estimates

Nominal factors expanded to all levels
Continuous factors centered by mean, scaled by range/2

Term	Scaled Estimate		Std Error	t Ratio	Prob>|t|
Intercept	4,5724248		0,314212	14,55	<,0001*
Season[Apr-May]	0,9010614		0,201089	4,48	<,0001*
Season[June-Aug]	0,0400378		0,160873	0,25	0,8037
Season[Sept-Oct]	-0,941099		0,15741	-5,98	<,0001*
Relation to sunset[0]	-1,00478		0,411202	-2,44	0,0153*
Relation to sunset[1]	-0,225164		0,345789	-0,65	0,5156
Relation to sunset[2]	0,9619743		0,345629	2,78	0,0058*
Relation to sunset[3]	0,2341544		0,366553	0,64	0,5236
Relation to sunset[4]	0,033816		1,172499	0,03	0,9770
Temperature (°C)	2,1820049		0,866649	2,52	0,0125*
Relation to sunset[0]*(Temperature (°C)-18,8882)	-1,811095		1,013343	-1,79	0,0752
Relation to sunset[1]*(Temperature (°C)-18,8882)	-0,912926		0,944499	-0,97	0,3348
Relation to sunset[2]*(Temperature (°C)-18,8882)	1,3000757		0,966558	1,35	0,1800
Relation to sunset[3]*(Temperature (°C)-18,8882)	1,3387285		0,991624	1,35	0,1784
Relation to sunset[4]*(Temperature (°C)-18,8882)	0,0852163		3,280579	0,03	0,9793

Supplementary Figure 5: Least Squares Fit Cecidomyiidae

Scaled Estimates

Nominal factors expanded to all levels
Continuous factors centered by mean, scaled by range/2

Term	Scaled Estimate		Std Error	t Ratio	Prob>|t|
Intercept	2,5543434		0,228	11,20	<,0001*
Season[Apr-May]	-0,193468		0,145915	-1,33	0,1862
Season[June-Aug]	0,1414953		0,116733	1,21	0,2267
Season[Sept-Oct]	0,0519731		0,114221	0,46	0,6495
Relation to sunset[0]	-0,485673		0,298378	-1,63	0,1050
Relation to sunset[1]	-0,623678		0,250913	-2,49	0,0137*
Relation to sunset[2]	0,252681		0,250797	1,01	0,3148
Relation to sunset[3]	0,9043721		0,26598	3,40	0,0008*
Relation to sunset[4]	-0,047702		0,850795	-0,06	0,9553
Temperature (°C)	1,0311917		0,628862	1,64	0,1024
Relation to sunset[0]*(Temperature (°C)-18,8882)	-2,147973		0,735308	-2,92	0,0038*
Relation to sunset[1]*(Temperature (°C)-18,8882)	-0,283127		0,685352	-0,41	0,6799
Relation to sunset[2]*(Temperature (°C)-18,8882)	0,6443465		0,701359	0,92	0,3592
Relation to sunset[3]*(Temperature (°C)-18,8882)	2,0274972		0,719548	2,82	0,0053*
Relation to sunset[4]*(Temperature (°C)-18,8882)	-0,240743		2,380471	-0,10	0,9195

Supplementary Figure 6: Least Squares Fit Ceratopogonidae

Scaled Estimates

Nominal factors expanded to all levels
Continuous factors centered by mean, scaled by range/2

Term	Scaled Estimate		Std Error	t Ratio	Prob>|t|
Intercept	1,9917914		0,231214	8,61	<,0001*
Season[Apr-May]	0,7917626		0,147972	5,35	<,0001*
Season[June-Aug]	-0,309862		0,118379	-2,62	0,0095*
Season[Sept-Oct]	-0,4819		0,115831	-4,16	<,0001*
Relation to sunset[0]	1,0298297		0,302585	3,40	0,0008*
Relation to sunset[1]	0,2118067		0,254451	0,83	0,4061
Relation to sunset[2]	0,5172191		0,254333	2,03	0,0432*
Relation to sunset[3]	-0,288788		0,26973	-1,07	0,2855
Relation to sunset[4]	-1,470068		0,86279	-1,70	0,0898
Temperature (℃)	0,6802248		0,637728	1,07	0,2873
Relation to sunset[0]*(Temperature (℃)-18,8882)	-1,829438		0,745674	-2,45	0,0149*
Relation to sunset[1]*(Temperature (℃)-18,8882)	0,7518573		0,695014	1,08	0,2805
Relation to sunset[2]*(Temperature (℃)-18,8882)	1,61438		0,711246	2,27	0,0242*
Relation to sunset[3]*(Temperature (℃)-18,8882)	1,2023182		0,729692	1,65	0,1008
Relation to sunset[4]*(Temperature (℃)-18,8882)	-1,739117		2,41403	-0,72	0,4720

Supplementary Figure 7: Least Squares Fit Culicidae

Scaled Estimates

Nominal factors expanded to all levels
Continuous factors centered by mean, scaled by range/2

Term	Scaled Estimate		Std Error	t Ratio	Prob>|t|
Intercept	0,6839104		0,175845	3,89	0,0001*
Season[Apr-May]	-0,363835		0,112537	-3,23	0,0014*
Season[June-Aug]	0,2197168		0,09003	2,44	0,0154*
Season[Sept-Oct]	0,1441184		0,088093	1,64	0,1032
Relation to sunset[0]	-0,531485		0,230124	-2,31	0,0218*
Relation to sunset[1]	-0,376168		0,193517	-1,94	0,0532
Relation to sunset[2]	0,0799533		0,193427	0,41	0,6797
Relation to sunset[3]	0,7891914		0,205137	3,85	0,0002*
Relation to sunset[4]	0,0385075		0,656175	0,06	0,9533
Temperature (℃)	0,5194455		0,485009	1,07	0,2853
Relation to sunset[0]*(Temperature (℃)-18,8882)	-0,868625		0,567105	-1,53	0,1270
Relation to sunset[1]*(Temperature (℃)-18,8882)	-0,873374		0,528577	-1,65	0,0999
Relation to sunset[2]*(Temperature (℃)-18,8882)	-0,168329		0,540922	-0,31	0,7559
Relation to sunset[3]*(Temperature (℃)-18,8882)	0,700864		0,554951	1,26	0,2079
Relation to sunset[4]*(Temperature (℃)-18,8882)	1,2094633		1,835936	0,66	0,5107

Supplementary Figure 8: Least Squares Fit Brachycera

Scaled Estimates

Nominal factors expanded to all levels
Continuous factors centered by mean, scaled by range/2

Term	Scaled Estimate		Std Error	t Ratio	Prob>|t|
Intercept	2,4295021		0,190633	12,74	<,0001*
Season[Apr-May]	0,4076768		0,122001	3,34	0,0010*
Season[June-Aug]	0,0834538		0,097602	0,86	0,3934
Season[Sept-Oct]	-0,491131		0,095501	-5,14	<,0001*
Relation to sunset[0]	1,1012288		0,249477	4,41	<,0001*
Relation to sunset[1]	0,8447194		0,209791	4,03	<,0001*
Relation to sunset[2]	0,5693961		0,209694	2,72	0,0071*
Relation to sunset[3]	-1,147518		0,222388	-5,16	<,0001*
Relation to sunset[4]	-1,367827		0,711357	-1,92	0,0558
Temperature (°C)	1,6323959		0,525797	3,10	0,0021*
Relation to sunset[0]*(Temperature (°C)-18,8882)	-1,051943		0,614797	-1,71	0,0885
Relation to sunset[1]*(Temperature (°C)-18,8882)	0,7192263		0,573029	1,26	0,2107
Relation to sunset[2]*(Temperature (°C)-18,8882)	1,8691265		0,586412	3,19	0,0016*
Relation to sunset[3]*(Temperature (°C)-18,8882)	0,0959861		0,60162	0,16	0,8734
Relation to sunset[4]*(Temperature (°C)-18,8882)	-1,632396		1,990333	-0,82	0,4130

Supplementary Figure 9: Least Squares Fit Staphylinidae

Scaled Estimates

Nominal factors expanded to all levels
Continuous factors centered by mean, scaled by range/2

Term	Scaled Estimate		Std Error	t Ratio	Prob>|t|
Intercept	1,6307605		0,226337	7,21	<,0001*
Season[Apr-May]	0,3224882		0,14485	2,23	0,0270*
Season[June-Aug]	-0,306157		0,115882	-2,64	0,0088*
Season[Sept-Oct]	-0,016331		0,113387	-0,14	0,8856
Relation to sunset[0]	1,9379131		0,296202	6,54	<,0001*
Relation to sunset[1]	0,8549517		0,249083	3,43	0,0007*
Relation to sunset[2]	0,0890642		0,248967	0,36	0,7209
Relation to sunset[3]	-1,2675		0,26404	-4,80	<,0001*
Relation to sunset[4]	-1,614429		0,844588	-1,91	0,0572
Temperature (°C)	0,9156219		0,624274	1,47	0,1439
Relation to sunset[0]*(Temperature (°C)-18,8882)	-1,580177		0,729943	-2,16	0,0315*
Relation to sunset[1]*(Temperature (°C)-18,8882)	1,358613		0,680352	2,00	0,0470*
Relation to sunset[2]*(Temperature (°C)-18,8882)	1,3532208		0,696242	1,94	0,0532
Relation to sunset[3]*(Temperature (°C)-18,8882)	-0,216035		0,714298	-0,30	0,7626
Relation to sunset[4]*(Temperature (°C)-18,8882)	-0,915622		2,363104	-0,39	0,6988

Supplementary Figure 10: Least Squares Fit Aphidina

Scaled Estimates

Nominal factors expanded to all levels
Continuous factors centered by mean, scaled by range/2

Term	Scaled Estimate		Std Error	t Ratio	Prob>|t|
Intercept	1,1305624		0,26757	4,23	<,0001*
Season[Apr-May]	-0,399063		0,171239	-2,33	0,0207*
Season[June-Aug]	-0,205156		0,136992	-1,50	0,1356
Season[Sept-Oct]	0,6042183		0,134044	4,51	<,0001*
Relation to sunset[0]	1,2495191		0,350162	3,57	0,0004*
Relation to sunset[1]	0,9731243		0,29446	3,30	0,0011*
Relation to sunset[2]	0,4083515		0,294323	1,39	0,1667
Relation to sunset[3]	-0,896214		0,312141	-2,87	0,0045*
Relation to sunset[4]	-1,734781		0,998451	-1,74	0,0837
Temperature (°C)	0,8097372		0,738002	1,10	0,2737
Relation to sunset[0]*(Temperature (°C)-18,8882)	-0,639486		0,862921	-0,74	0,4594
Relation to sunset[1]*(Temperature (°C)-18,8882)	0,7236818		0,804295	0,90	0,3692
Relation to sunset[2]*(Temperature (°C)-18,8882)	1,4308564		0,82308	1,74	0,0835
Relation to sunset[3]*(Temperature (°C)-18,8882)	-0,705315		0,844426	-0,84	0,4045
Relation to sunset[4]*(Temperature (°C)-18,8882)	-0,809737		2,793603	-0,29	0,7722