

Summary of models

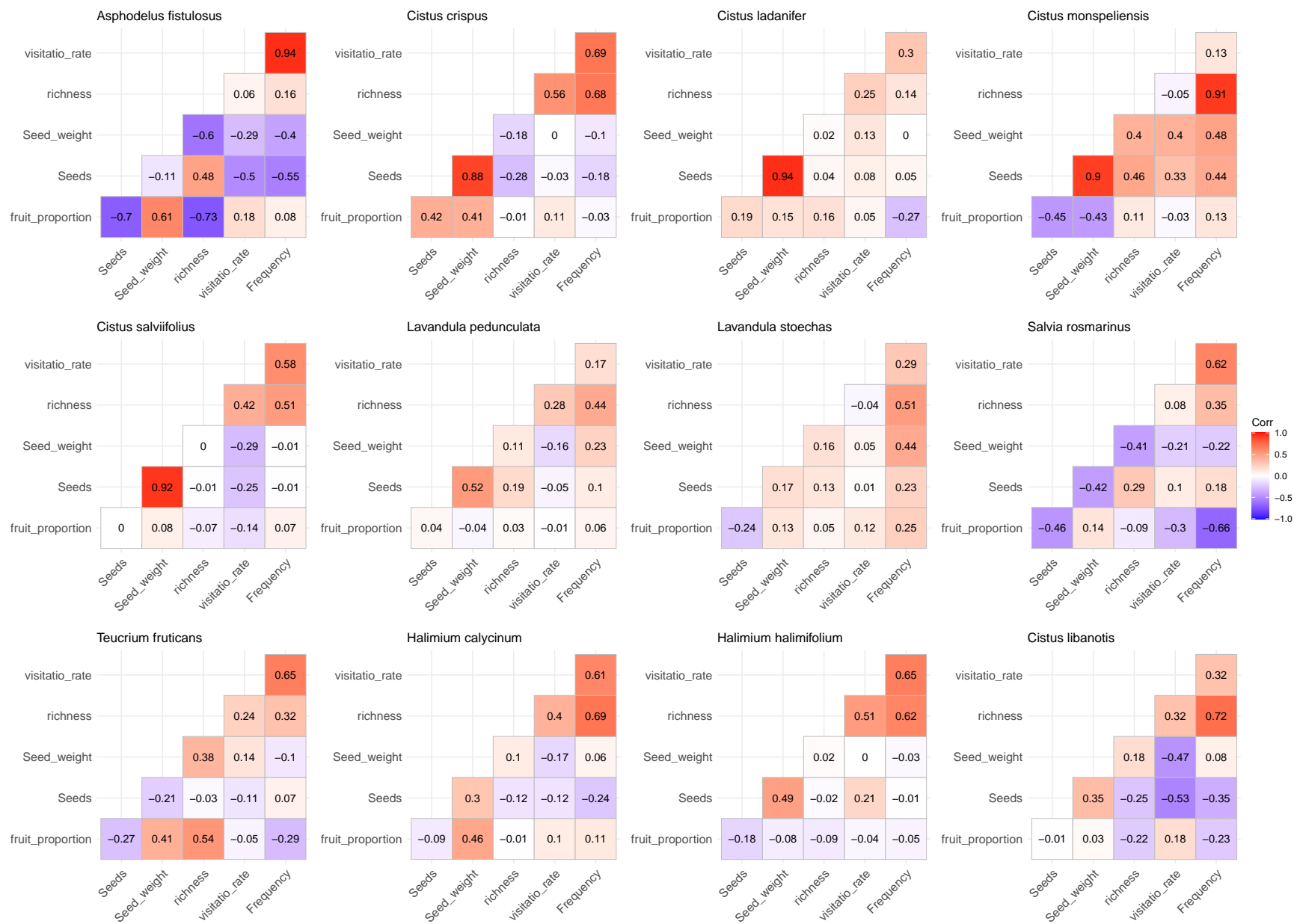
2022-07-08

Data base from beefun: plant individuals per sites (13 sites) for five years (2015-2019). Data base has 400 observation, only matching individuals, some with no pollinator frequency (16 observations). Fruit proportions, seed numbers and seed weight are calculated for each plant individual per plant species in site and year. Richness, visitation rate and frequency of pollinators are also calculated for plant individual per plant species. 16 plant species but 4 are removed because they are present only one site.

Correlation

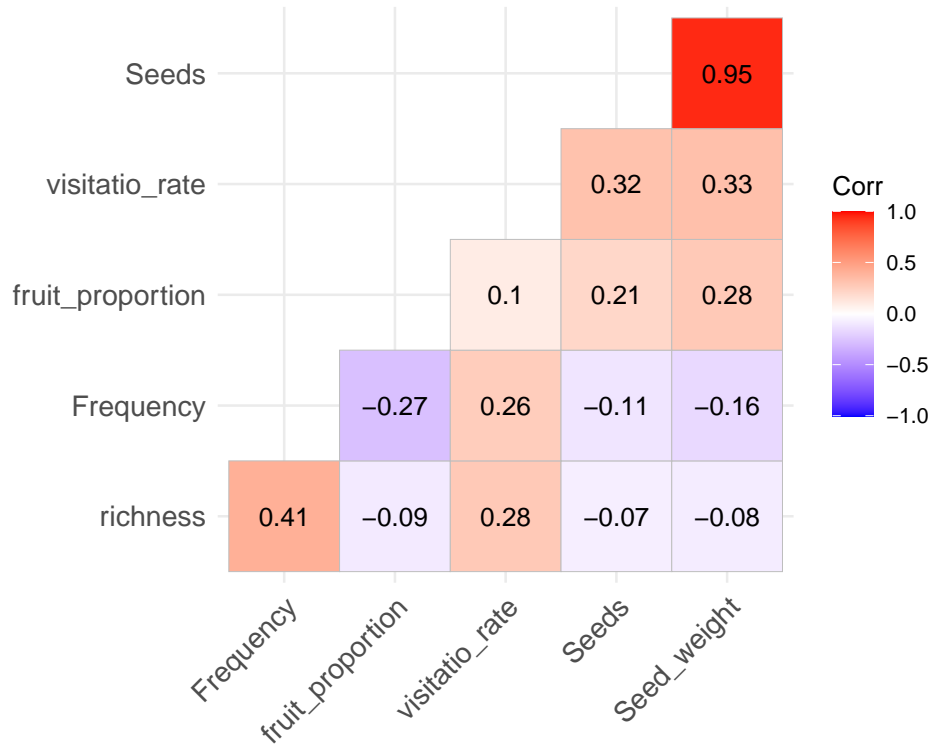
species	rows	fruit_proportion	Seeds	Seed_weight	richness	visitatio_rate	Frequency
Asphodelus fistulosus	fruit_proportion	1.0000	-0.7023	0.6058	-0.7293	0.1819	0.0830
	Seeds	-0.7023	1.0000	-0.1075	0.4812	-0.4977	-0.5475
	Seed_weight	0.6058	-0.1075	1.0000	-0.6025	-0.2888	-0.4000
	richness	-0.7293	0.4812	-0.6025	1.0000	0.0647	0.1593
	visitatio_rate	0.1819	-0.4977	-0.2888	0.0647	1.0000	0.9421
	Frequency	0.0830	-0.5475	-0.4000	0.1593	0.9421	1.0000
Cistus crispus	fruit_proportion	1.0000	0.4161	0.4117	-0.0105	0.1052	-0.0307
	Seeds	0.4161	1.0000	0.8757	-0.2753	-0.0277	-0.1797
	Seed_weight	0.4117	0.8757	1.0000	-0.1787	-0.0046	-0.0970
	richness	-0.0105	-0.2753	-0.1787	1.0000	0.5627	0.6782
	visitatio_rate	0.1052	-0.0277	-0.0046	0.5627	1.0000	0.6865
	Frequency	-0.0307	-0.1797	-0.0970	0.6782	0.6865	1.0000
Cistus ladanifer	fruit_proportion	1.0000	0.1881	0.1458	0.1638	0.0495	-0.2714
	Seeds	0.1881	1.0000	0.9382	0.0365	0.0813	0.0492
	Seed_weight	0.1458	0.9382	1.0000	0.0195	0.1282	-0.0007
	richness	0.1638	0.0365	0.0195	1.0000	0.2465	0.1351
	visitatio_rate	0.0495	0.0813	0.1282	0.2465	1.0000	0.2981
	Frequency	-0.2714	0.0492	-0.0007	0.1351	0.2981	1.0000
Cistus libanotis	fruit_proportion	1.0000	-0.0060	0.0299	-0.2198	0.1761	-0.2259
	Seeds	-0.0060	1.0000	0.3492	-0.2500	-0.5347	-0.3541
	Seed_weight	0.0299	0.3492	1.0000	0.1833	-0.4670	0.0750
	richness	-0.2198	-0.2500	0.1833	1.0000	0.3220	0.7211
	visitatio_rate	0.1761	-0.5347	-0.4670	0.3220	1.0000	0.3221
	Frequency	-0.2259	-0.3541	0.0750	0.7211	0.3221	1.0000
Cistus monspeliensis	fruit_proportion	1.0000	-0.4485	-0.4345	0.1075	-0.0339	0.1337
	Seeds	-0.4485	1.0000	0.9027	0.4568	0.3329	0.4399
	Seed_weight	-0.4345	0.9027	1.0000	0.3971	0.4014	0.4813
	richness	0.1075	0.4568	0.3971	1.0000	-0.0517	0.9146
	visitatio_rate	-0.0339	0.3329	0.4014	-0.0517	1.0000	0.1264
	Frequency	0.1337	0.4399	0.4813	0.9146	0.1264	1.0000
Cistus salviifolius	fruit_proportion	1.0000	0.0026	0.0781	-0.0713	-0.1379	0.0695
	Seeds	0.0026	1.0000	0.9232	-0.0064	-0.2513	-0.0064
	Seed_weight	0.0781	0.9232	1.0000	0.0014	-0.2908	-0.0137

	richness	-0.0713	-0.0064	0.0014	1.0000	0.4190	0.5100
	visitatio_rate	-0.1379	-0.2513	-0.2908	0.4190	1.0000	0.5811
	Frequency	0.0695	-0.0064	-0.0137	0.5100	0.5811	1.0000
Halimium calycinum	fruit_proportion	1.0000	-0.0904	0.4575	-0.0072	0.0999	0.1097
	Seeds	-0.0904	1.0000	0.3023	-0.1236	-0.1230	-0.2351
	Seed_weight	0.4575	0.3023	1.0000	0.1017	-0.1709	0.0575
	richness	-0.0072	-0.1236	0.1017	1.0000	0.3986	0.6881
	visitatio_rate	0.0999	-0.1230	-0.1709	0.3986	1.0000	0.6119
	Frequency	0.1097	-0.2351	0.0575	0.6881	0.6119	1.0000
Halimium halimifolium	fruit_proportion	1.0000	-0.1827	-0.0810	-0.0886	-0.0362	-0.0520
	Seeds	-0.1827	1.0000	0.4896	-0.0150	0.2056	-0.0134
	Seed_weight	-0.0810	0.4896	1.0000	0.0244	0.0029	-0.0266
	richness	-0.0886	-0.0150	0.0244	1.0000	0.5080	0.6200
	visitatio_rate	-0.0362	0.2056	0.0029	0.5080	1.0000	0.6450
	Frequency	-0.0520	-0.0134	-0.0266	0.6200	0.6450	1.0000
Lavandula pedunculata	fruit_proportion	1.0000	0.0418	-0.0393	0.0282	-0.0103	0.0609
	Seeds	0.0418	1.0000	0.5202	0.1866	-0.0536	0.0996
	Seed_weight	-0.0393	0.5202	1.0000	0.1146	-0.1564	0.2289
	richness	0.0282	0.1866	0.1146	1.0000	0.2759	0.4425
	visitatio_rate	-0.0103	-0.0536	-0.1564	0.2759	1.0000	0.1748
	Frequency	0.0609	0.0996	0.2289	0.4425	0.1748	1.0000
Lavandula stoechas	fruit_proportion	1.0000	-0.2385	0.1316	0.0515	0.1242	0.2541
	Seeds	-0.2385	1.0000	0.1705	0.1310	0.0142	0.2260
	Seed_weight	0.1316	0.1705	1.0000	0.1550	0.0483	0.4355
	richness	0.0515	0.1310	0.1550	1.0000	-0.0407	0.5107
	visitatio_rate	0.1242	0.0142	0.0483	-0.0407	1.0000	0.2883
	Frequency	0.2541	0.2260	0.4355	0.5107	0.2883	1.0000
Salvia rosmarinus	fruit_proportion	1.0000	-0.4606	0.1354	-0.0885	-0.3038	-0.6646
	Seeds	-0.4606	1.0000	-0.4241	0.2924	0.1032	0.1842
	Seed_weight	0.1354	-0.4241	1.0000	-0.4100	-0.2078	-0.2179
	richness	-0.0885	0.2924	-0.4100	1.0000	0.0761	0.3480
	visitatio_rate	-0.3038	0.1032	-0.2078	0.0761	1.0000	0.6244
	Frequency	-0.6646	0.1842	-0.2179	0.3480	0.6244	1.0000
Teucrium fruticans	fruit_proportion	1.0000	-0.2740	0.4067	0.5360	-0.0517	-0.2905
	Seeds	-0.2740	1.0000	-0.2085	-0.0293	-0.1092	0.0717
	Seed_weight	0.4067	-0.2085	1.0000	0.3768	0.1420	-0.1048
	richness	0.5360	-0.0293	0.3768	1.0000	0.2422	0.3227
	visitatio_rate	-0.0517	-0.1092	0.1420	0.2422	1.0000	0.6462
	Frequency	-0.2905	0.0717	-0.1048	0.3227	0.6462	1.0000



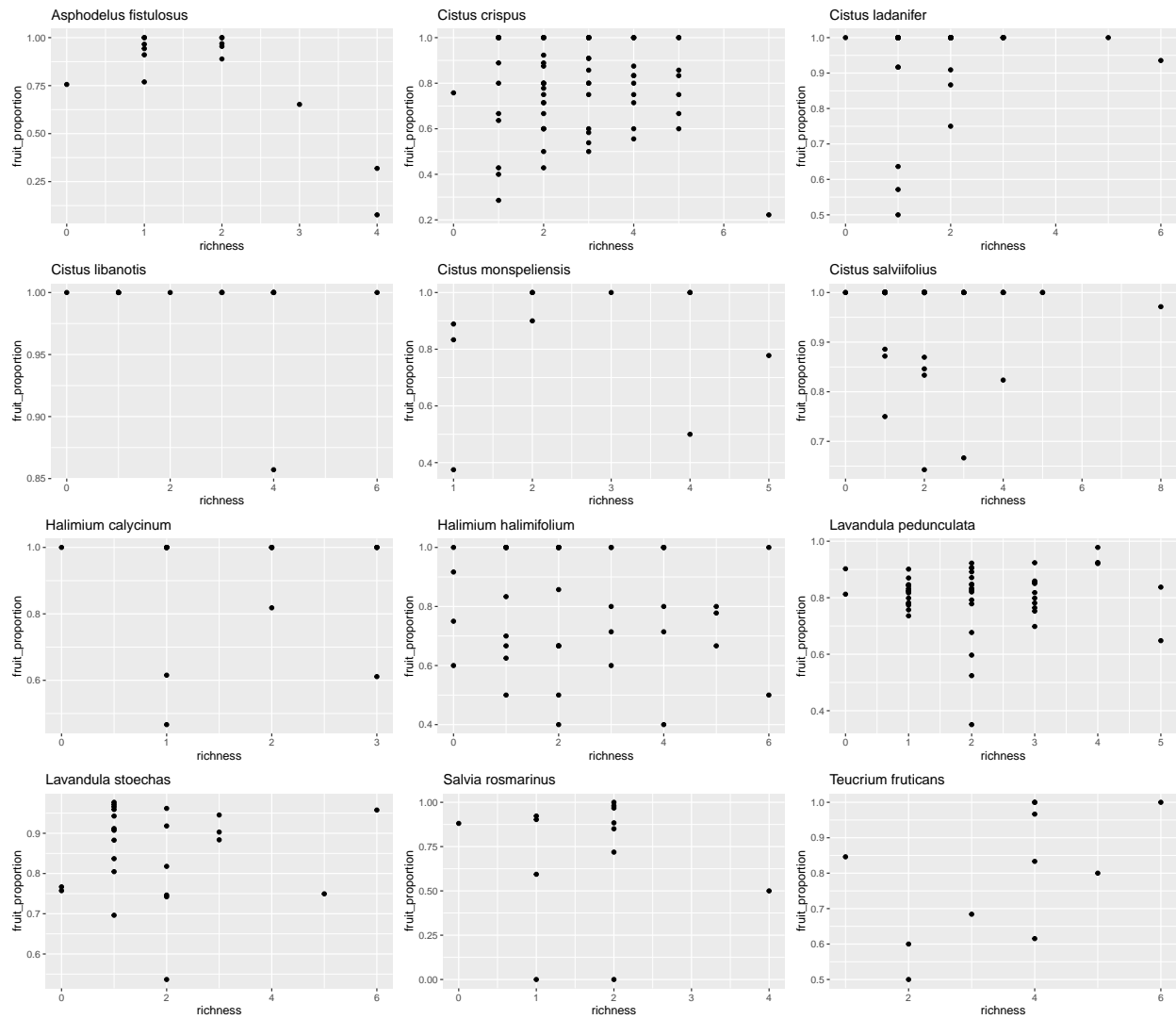
general correlation

	fruit_proportion	Seeds	Seed_weight	richness	visitatio_rate	Frequency
fruit_proportion	1.0000	0.2111	0.2759	-0.0859	0.0978	-0.2721
Seeds	0.2111	1.0000	0.9466	-0.0693	0.3221	-0.1071
Seed_weight	0.2759	0.9466	1.0000	-0.0826	0.3310	-0.1606
richness	-0.0859	-0.0693	-0.0826	1.0000	0.2810	0.4092
visitatio_rate	0.0978	0.3221	0.3310	0.2810	1.0000	0.2567
Frequency	-0.2721	-0.1071	-0.1606	0.4092	0.2567	1.0000



Fruit proportion

Richness

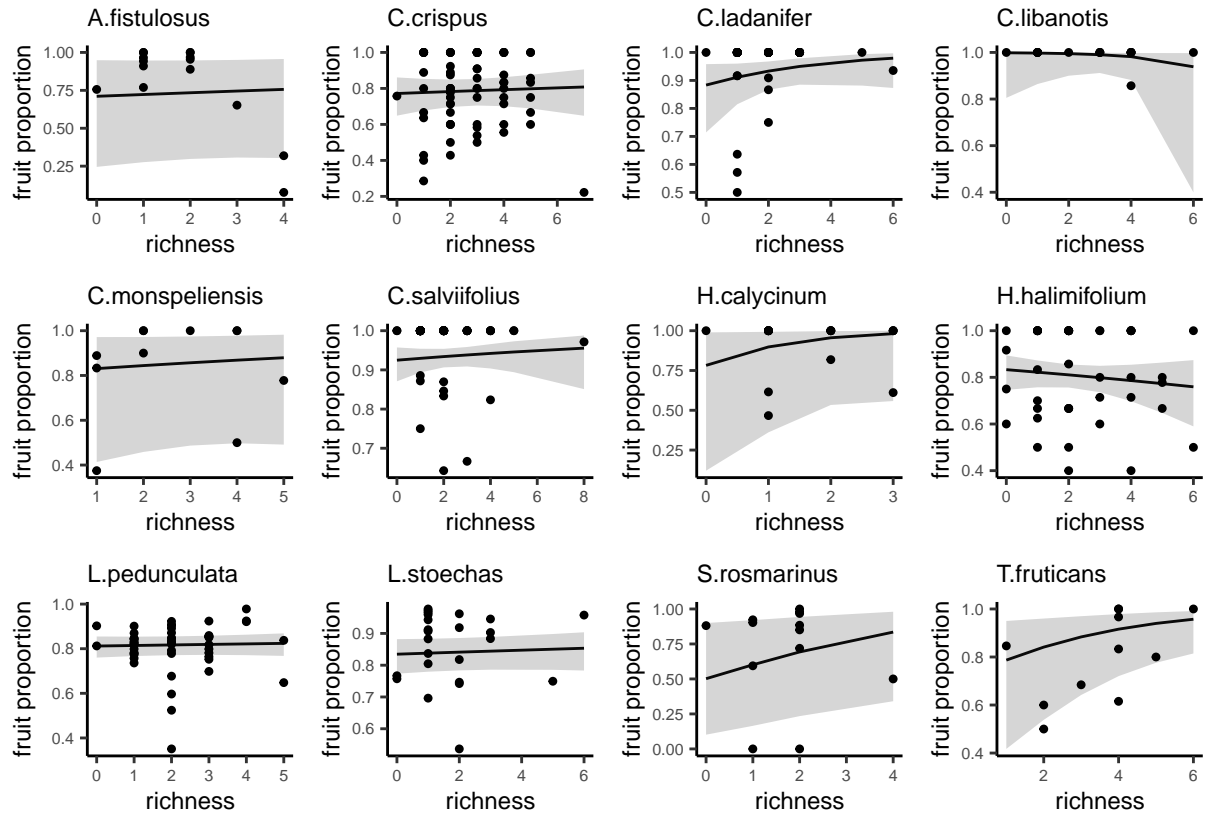


Summary of models for fruit proportion ~ pollinator richness per plant species. Binomial cbind(fruit_formado, Fruit_No), fruit formada= Fruit yes + fruit preyed + fruit dispersed. Site_ID as factor random

Note: NAs is replaced by zero. The plant species have fruit and seed data but no pollinator visiting were registered. No pollinator visit the plant species during observed time

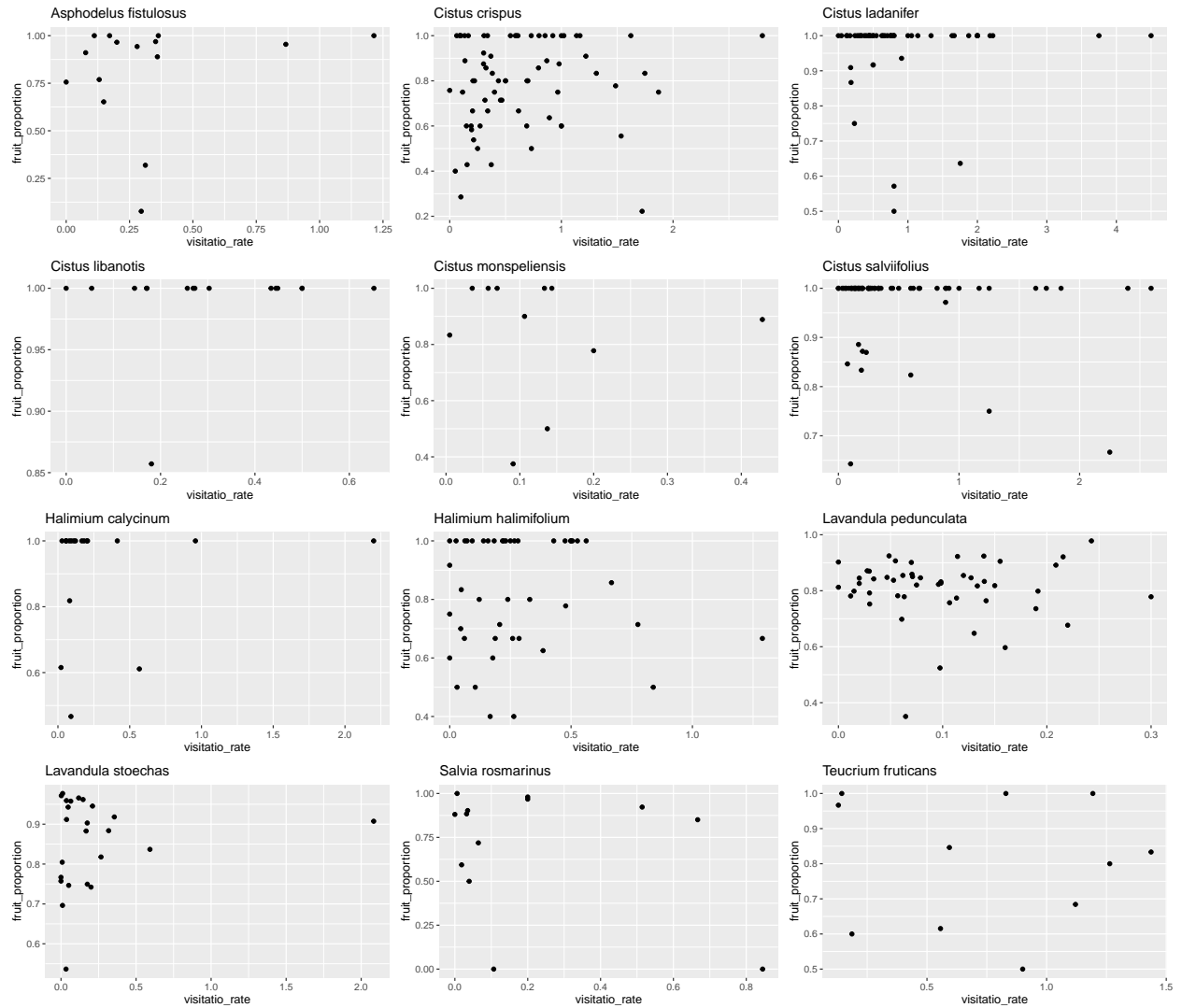
Plant_gen_sp	term	estimate	std.error	statistic	p.value
Asphodelus fistulosus	(Intercept)	0.8987	1.0326	0.8703	0.3841
	richness	0.0585	0.1735	0.3370	0.7361
Cistus crispus	(Intercept)	1.2189	0.3092	3.9417	0.0001
	richness	0.0311	0.0817	0.3811	0.7031
Cistus ladanifer	(Intercept)	2.0249	0.5653	3.5818	0.0003
	richness	0.3065	0.2197	1.3949	0.1630
Cistus libanotis	(Intercept)	6.5370	2.6118	2.5028	0.0123
	richness	-0.6351	0.6072	-1.0460	0.2956
Cistus monspeliensis	(Intercept)	1.4923	1.0640	1.4026	0.1607
	richness	0.0987	0.1861	0.5304	0.5958
Cistus salviifolius	(Intercept)	2.5085	0.3061	8.1955	0.0000
	richness	0.0699	0.1108	0.6305	0.5283
Halimium calycinum	(Intercept)	1.2788	1.6658	0.7677	0.4427
	richness	0.8952	0.7410	1.2081	0.2270
Halimium halimifolium	(Intercept)	1.6070	0.2690	5.9747	0.0000
	richness	-0.0762	0.0969	-0.7866	0.4315
Lavandula pedunculata	(Intercept)	1.4627	0.1578	9.2709	0.0000
	richness	0.0160	0.0342	0.4689	0.6392
Lavandula stoechas	(Intercept)	1.6191	0.2000	8.0970	0.0000
	richness	0.0237	0.0334	0.7099	0.4778
Salvia rosmarinus	(Intercept)	0.0068	1.1151	0.0061	0.9951
	richness	0.4031	0.2548	1.5819	0.1137
Teucrium fruticans	(Intercept)	0.9465	0.9255	1.0227	0.3064
	richness	0.3603	0.1599	2.2534	0.0242

Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	deviance	df.residual
<i>Asphodelus fistulosus</i>	15	1	-62.412	130.823	132.948	74.762	12
<i>Cistus crispus</i>	70	1	-109.252	224.504	231.249	96.017	67
<i>Cistus ladanifer</i>	53	1	-30.471	66.943	72.854	32.494	50
<i>Cistus libanotis</i>	16	1	-3.065	12.130	14.448	4.280	13
<i>Cistus monspeliensis</i>	11	1	-15.377	36.755	37.948	11.502	8
<i>Cistus salviifolius</i>	66	1	-43.879	93.758	100.327	61.399	63
<i>Halimium calycinum</i>	19	1	-19.560	45.121	47.954	11.177	16
<i>Halimium halimifolium</i>	45	1	-56.296	118.592	124.012	62.214	42
<i>Lavandula pedunculata</i>	49	1	-265.307	536.614	542.289	259.440	46
<i>Lavandula stoechas</i>	24	1	-165.456	336.911	340.445	191.963	21
<i>Salvia rosmarinus</i>	13	1	-49.747	105.493	107.188	26.037	10
<i>Teucrium fruticans</i>	11	1	-23.472	52.944	54.138	17.269	8



Visitation rate

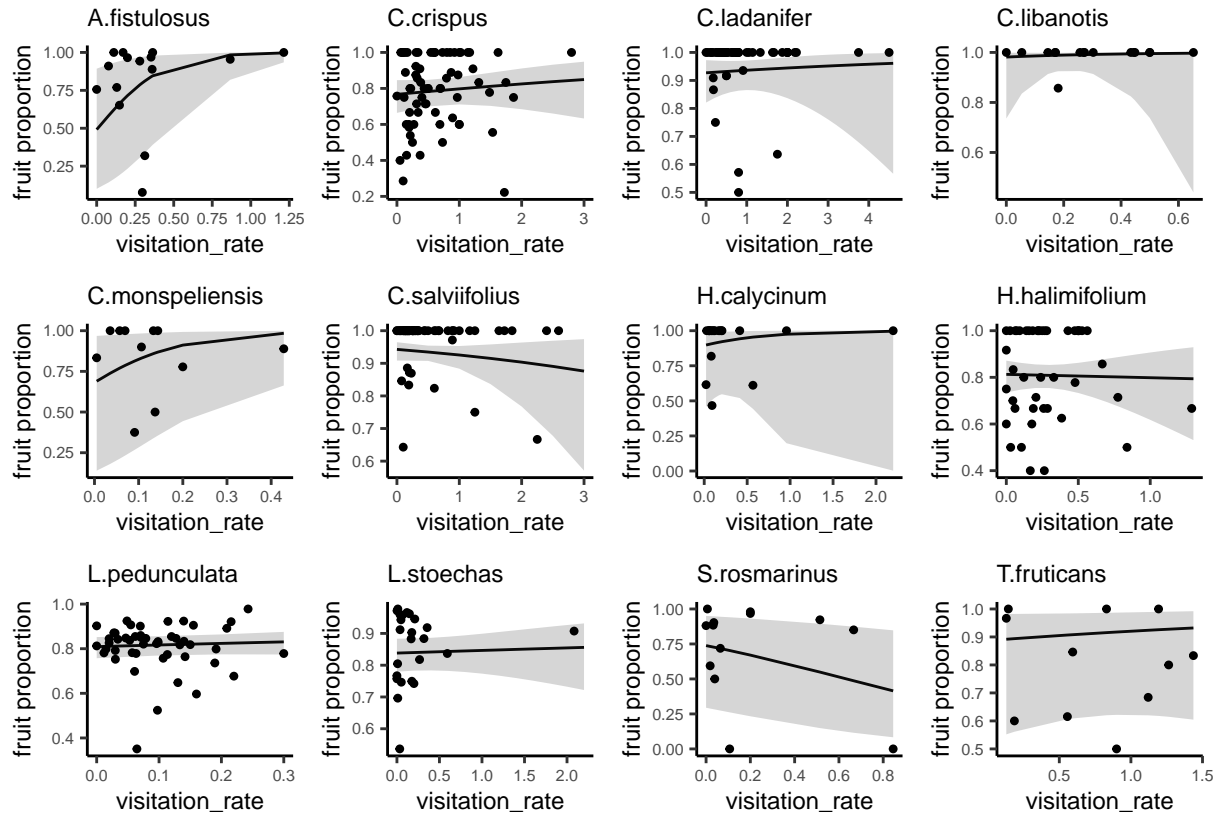
Visitation rate of all pollinators (hymenoptera, diptera and coleoptera) is calculated like frequency/ flower abundance



Summary of models for fruit proportion ~ visitation rate per plant species. Binomial cbind(fruit_formado, Fruit_No), fruit formada= Fruit yes + fruit preyed + fruit dispersed. Site_ID as factor random

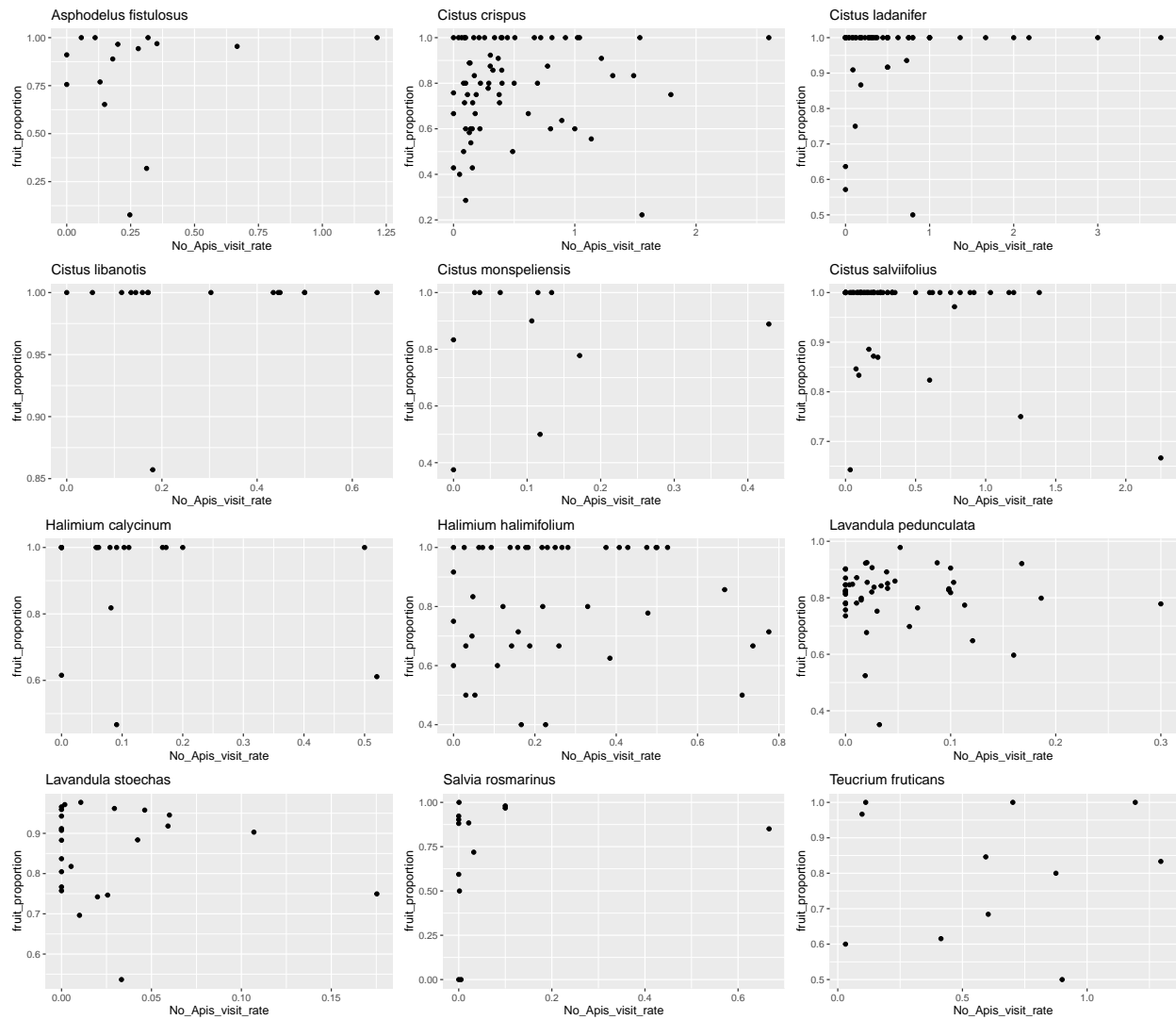
Plant_gen_sp	term	estimate	std.error	statistic	p.value
Asphodelus fistulosus	(Intercept)	-0.0348	1.1002	-0.0317	0.9747
	visitatio_rate	4.7806	1.1399	4.1940	0.0000
Cistus crispus	(Intercept)	1.1926	0.2605	4.5788	0.0000
	visitatio_rate	0.1791	0.2340	0.7653	0.4441
Cistus ladanifer	(Intercept)	2.5450	0.5215	4.8801	0.0000
	visitatio_rate	0.1442	0.3817	0.3777	0.7057
Cistus libanotis	(Intercept)	3.9772	1.5064	2.6403	0.0083
	visitatio_rate	2.7825	6.1785	0.4504	0.6525
Cistus monspeliensis	(Intercept)	0.7588	1.3407	0.5659	0.5714
	visitatio_rate	7.8653	3.9235	2.0046	0.0450
Cistus salviifolius	(Intercept)	2.8007	0.2580	10.8567	0.0000
	visitatio_rate	-0.2817	0.3341	-0.8429	0.3993
Halimium calycinum	(Intercept)	2.1395	1.2107	1.7672	0.0772
	visitatio_rate	1.5875	2.8199	0.5630	0.5735
Halimium halimifolium	(Intercept)	1.4678	0.2279	6.4416	0.0000
	visitatio_rate	-0.0912	0.5876	-0.1552	0.8767
Lavandula pedunculata	(Intercept)	1.4459	0.1568	9.2237	0.0000
	visitatio_rate	0.4809	0.5459	0.8810	0.3783
Lavandula stoechas	(Intercept)	1.6447	0.1944	8.4621	0.0000
	visitatio_rate	0.0627	0.1872	0.3350	0.7376
Salvia rosmarinus	(Intercept)	1.0365	0.9757	1.0624	0.2881
	visitatio_rate	-1.6345	0.6088	-2.6848	0.0073
Teucrium fruticans	(Intercept)	2.0589	0.9937	2.0720	0.0383
	visitatio_rate	0.3900	0.6451	0.6044	0.5455

Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	deviance	df.residual
<i>Asphodelus fistulosus</i>	15	1	-49.580	105.160	107.284	48.456	12
<i>Cistus crispus</i>	70	1	-109.029	224.057	230.803	95.903	67
<i>Cistus ladanifer</i>	53	1	-31.520	69.039	74.950	33.346	50
<i>Cistus libanotis</i>	16	1	-3.540	13.081	15.398	5.231	13
<i>Cistus monspeliensis</i>	11	1	-12.710	31.420	32.613	5.047	8
<i>Cistus salviifolius</i>	66	1	-43.767	93.534	100.103	61.175	63
<i>Halimium calycinum</i>	19	1	-20.083	46.166	49.000	13.672	16
<i>Halimium halimifolium</i>	45	1	-56.590	119.180	124.600	62.803	42
<i>Lavandula pedunculata</i>	49	1	-265.027	536.054	541.730	258.301	46
<i>Lavandula stoechas</i>	24	1	-165.651	337.303	340.837	192.511	21
<i>Salvia rosmarinus</i>	13	1	-47.232	100.464	102.159	21.629	10
<i>Teucrium fruticans</i>	11	1	-26.062	58.124	59.317	21.344	8



Visitation rate of pollinators without *Apis mellifera*

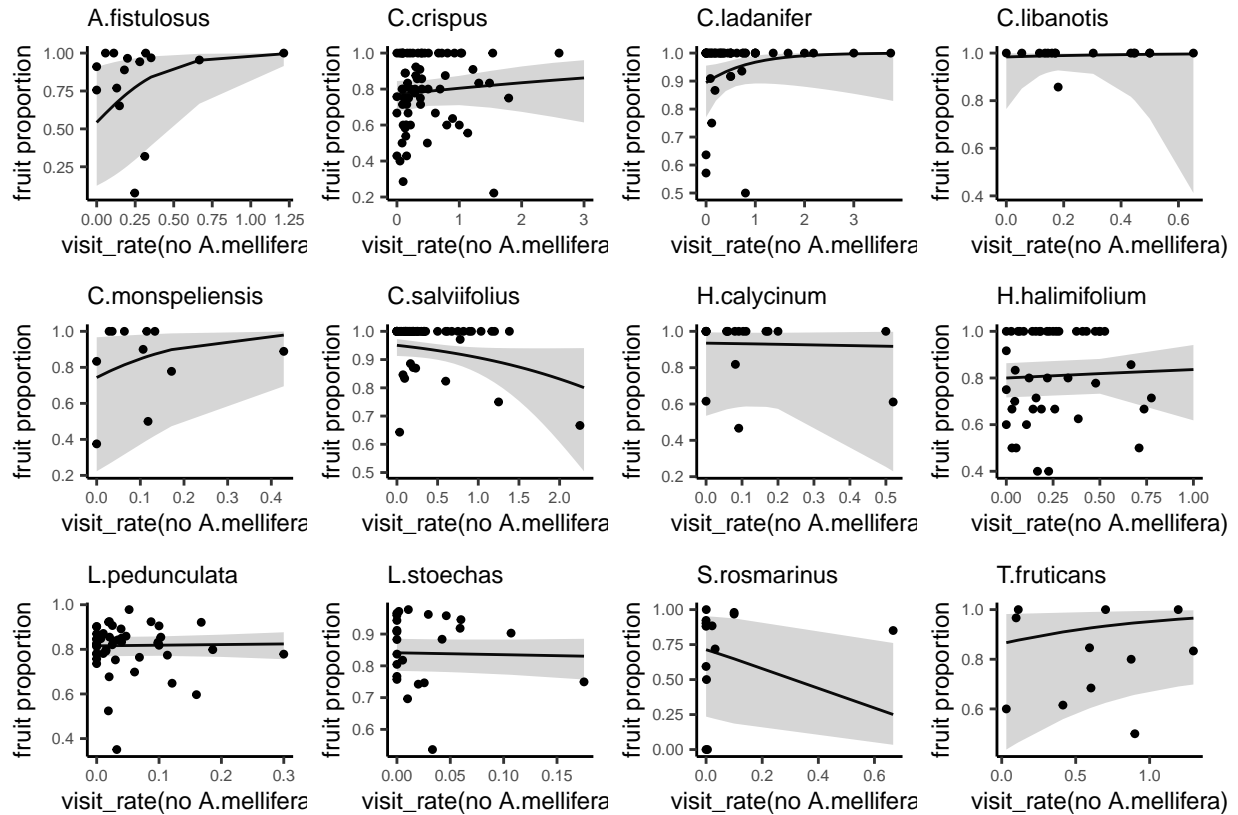
visitation rate (frequency/ flower abundance) is calculated to all pollinators no *Apis mellifera*.



Plant_gen_sp	term	estimate	std.error	statistic	p.value
Asphodelus fistulosus	(Intercept)	0.1713	1.0815	0.1584	0.8741
	No_Apis_visit_rate	4.2506	1.0278	4.1357	0.0000
Cistus crispus	(Intercept)	1.2072	0.2481	4.8663	0.0000
	No_Apis_visit_rate	0.2077	0.2579	0.8055	0.4206
Cistus ladanifer	(Intercept)	2.1361	0.4710	4.5355	0.0000
	No_Apis_visit_rate	1.2544	0.7736	1.6216	0.1049
Cistus libanotis	(Intercept)	4.1042	1.4918	2.7511	0.0059
	No_Apis_visit_rate	2.2766	6.0771	0.3746	0.7079
Cistus monspeliensis	(Intercept)	1.0646	1.1805	0.9018	0.3672
	No_Apis_visit_rate	6.5015	3.1169	2.0859	0.0370
Cistus salviifolius	(Intercept)	2.9561	0.3097	9.5447	0.0000
	No_Apis_visit_rate	-0.6808	0.3866	-1.7609	0.0783
Halimium calycinum	(Intercept)	2.6664	1.2888	2.0688	0.0386
	No_Apis_visit_rate	-0.4977	3.9288	-0.1267	0.8992
Halimium halimifolium	(Intercept)	1.3859	0.2337	5.9296	0.0000
	No_Apis_visit_rate	0.2444	0.7309	0.3344	0.7380
Lavandula pedunculata	(Intercept)	1.4869	0.1457	10.2060	0.0000
	No_Apis_visit_rate	0.1932	0.5909	0.3269	0.7438
Lavandula stoechas	(Intercept)	1.6658	0.1920	8.6747	0.0000
	No_Apis_visit_rate	-0.4392	0.8418	-0.5218	0.6018
Salvia rosmarinus	(Intercept)	0.9122	1.0669	0.8550	0.3925
	No_Apis_visit_rate	-3.0139	0.7373	-4.0879	0.0000
Teucrium fruticans	(Intercept)	1.8368	1.0913	1.6832	0.0923
	No_Apis_visit_rate	1.1523	0.7444	1.5480	0.1216

Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	deviance	df.residual
<i>Asphodelus fistulosus</i>	15	1	-50.999	107.998	110.122	51.351	12
<i>Cistus crispus</i>	70	1	-108.993	223.986	230.731	95.811	67
<i>Cistus ladanifer</i>	53	1	-29.585	65.171	71.082	30.487	50
<i>Cistus libanotis</i>	16	1	-3.576	13.151	15.469	5.301	13
<i>Cistus monspeliensis</i>	11	1	-12.620	31.239	32.433	5.293	8
<i>Cistus salviifolius</i>	66	1	-42.575	91.150	97.719	58.373	63
<i>Halimium calycinum</i>	19	1	-20.403	46.806	49.639	14.297	16
<i>Halimium halimifolium</i>	45	1	-56.545	119.091	124.511	62.713	42
<i>Lavandula pedunculata</i>	49	1	-265.363	536.726	542.402	259.404	46
<i>Lavandula stoechas</i>	24	1	-165.573	337.145	340.680	192.356	21
<i>Salvia rosmarinus</i>	13	1	-41.040	88.079	89.774	8.017	10
<i>Teucrium fruticans</i>	11	1	-25.015	56.030	57.224	18.777	8

Data were 'prettified'. Consider using `terms="No_Apis_visit_rate [all]"` to get smooth plots.



Apis mellifera visitation rate

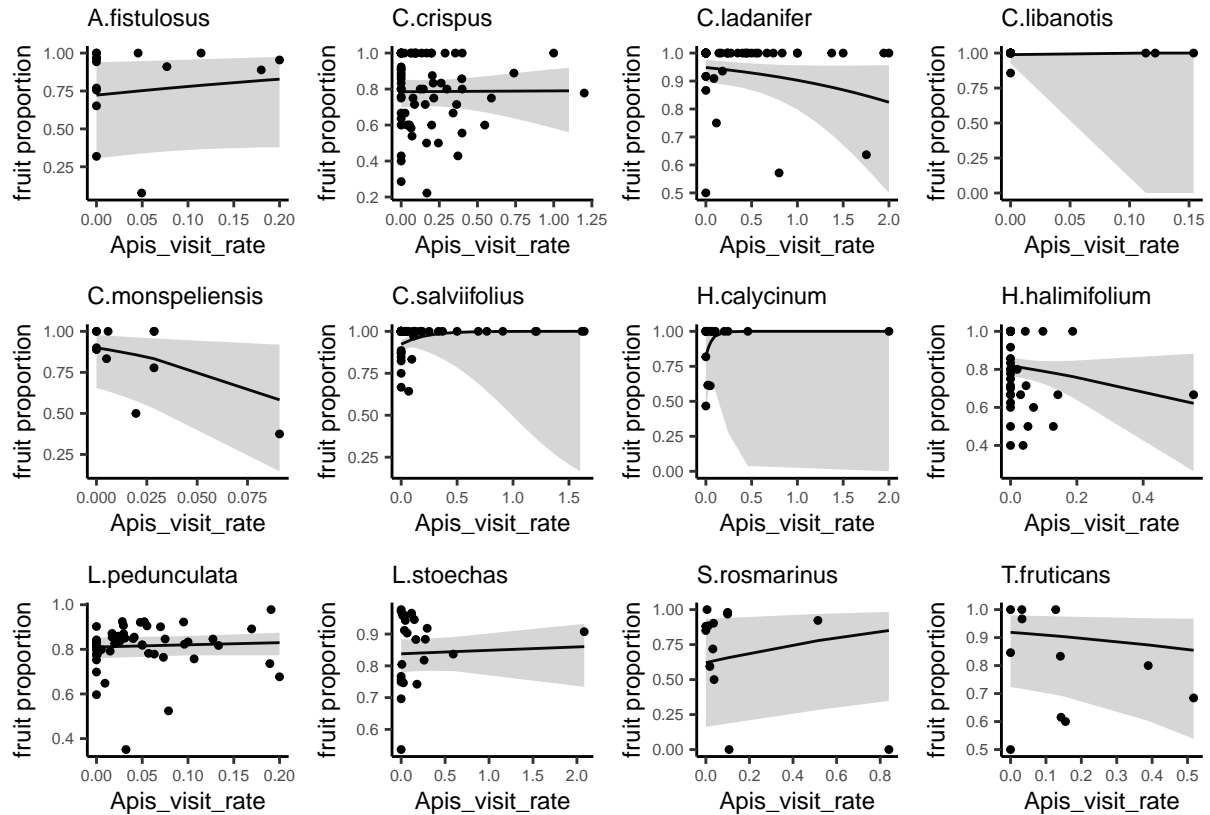
Only data of *Apis mellifera*

Problemas C.libanotis Warning messages: 1: In vcov.merMod(object, use.hessian = use.hessian) : variance-covariance matrix computed from finite-difference Hessian is not positive definite or contains NA values: falling back to var-cov estimated from RX 2: In vcov.merMod(object, correlation = correlation, sigm = sig) : variance-covariance matrix computed from finite-difference Hessian is not positive definite or contains NA values: falling back to var-cov estimated from RX

Plant_gen_sp	term	estimate	std.error	statistic	p.value
Asphodelus fistulosus	(Intercept)	0.9574	9.088000e-01	1.0535	0.2921
	Apis_visit_rate	3.0690	3.041000e+00	1.0092	0.3129
Cistus crispus	(Intercept)	1.2968	2.346000e-01	5.5274	0.0000
	Apis_visit_rate	0.0270	5.385000e-01	0.0501	0.9601
Cistus ladanifer	(Intercept)	2.9123	3.947000e-01	7.3789	0.0000
	Apis_visit_rate	-0.6831	4.459000e-01	-1.5321	0.1255
Cistus libanotis	(Intercept)	4.4886	1.005600e+00	4.4636	0.0000
	Apis_visit_rate	282.4760	1.591573e+08	0.0000	1.0000
Cistus monspeliensis	(Intercept)	2.1924	7.933000e-01	2.7637	0.0057
	Apis_visit_rate	-20.4488	1.091780e+01	-1.8730	0.0611
Cistus salviifolius	(Intercept)	2.4875	2.073000e-01	12.0001	0.0000
	Apis_visit_rate	5.0995	3.955900e+00	1.2891	0.1974
Halimium calycinum	(Intercept)	1.5303	9.026000e-01	1.6955	0.0900
	Apis_visit_rate	17.5644	1.463920e+01	1.1998	0.2302
Halimium halimifolium	(Intercept)	1.5072	1.727000e-01	8.7266	0.0000
	Apis_visit_rate	-1.8330	1.478300e+00	-1.2400	0.2150
Lavandula pedunculata	(Intercept)	1.4526	1.543000e-01	9.4131	0.0000
	Apis_visit_rate	0.6590	7.888000e-01	0.8355	0.4034
Lavandula stoechas	(Intercept)	1.6423	1.929000e-01	8.5154	0.0000
	Apis_visit_rate	0.0847	1.893000e-01	0.4475	0.6545
Salvia rosmarinus	(Intercept)	0.4937	1.088600e+00	0.4535	0.6502
	Apis_visit_rate	1.4828	7.989000e-01	1.8561	0.0634
Teucrium fruticans	(Intercept)	2.4255	7.478000e-01	3.2435	0.0012
	Apis_visit_rate	-1.2636	1.012100e+00	-1.2485	0.2118

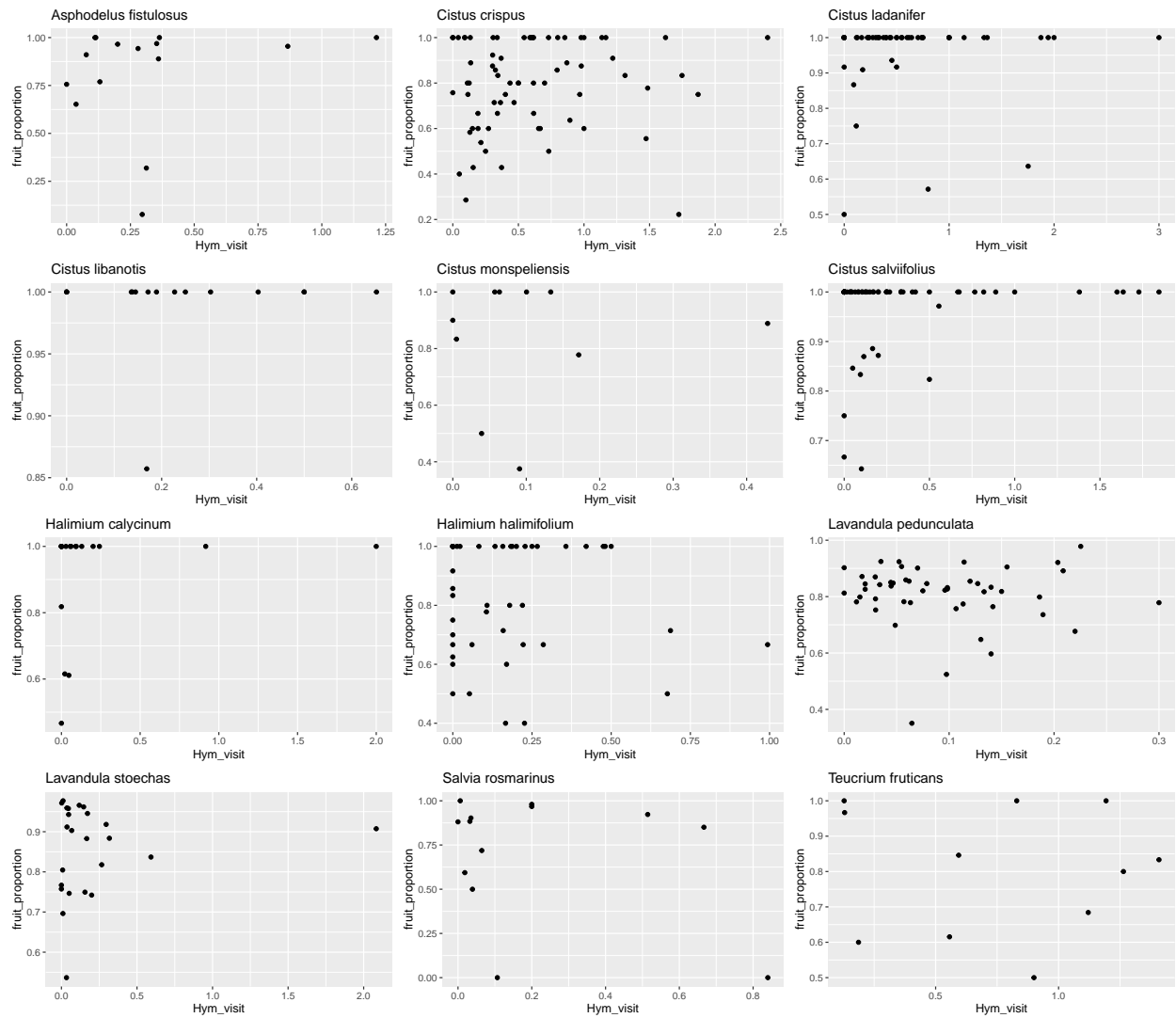
Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	deviance	df.residual
<i>Asphodelus fistulosus</i>	15	1	-61.937	129.875	131.999	74.139	12
<i>Cistus crispus</i>	70	1	-109.323	224.646	231.391	96.524	67
<i>Cistus ladanifer</i>	53	1	-30.521	67.041	72.952	34.885	50
<i>Cistus libanotis</i>	16	1	-3.548	13.097	15.414	5.247	13
<i>Cistus monspeliensis</i>	11	1	-13.667	33.334	34.528	9.156	8
<i>Cistus salviifolius</i>	66	1	-41.801	89.602	96.171	57.243	63
<i>Halimium calycinum</i>	19	1	-18.765	43.529	46.363	13.702	16
<i>Halimium halimifolium</i>	45	1	-55.898	117.797	123.217	61.419	42
<i>Lavandula pedunculata</i>	49	1	-265.066	536.131	541.807	258.487	46
<i>Lavandula stoechas</i>	24	1	-165.606	337.212	340.746	192.494	21
<i>Salvia rosmarinus</i>	13	1	-49.324	104.648	106.342	24.320	10
<i>Teucrium fruticans</i>	11	1	-25.460	56.920	58.113	21.199	8

Data were 'prettified'. Consider using `terms="Apis_visit_rate [all]"` to get smooth plots.



Hymenoptera visitation

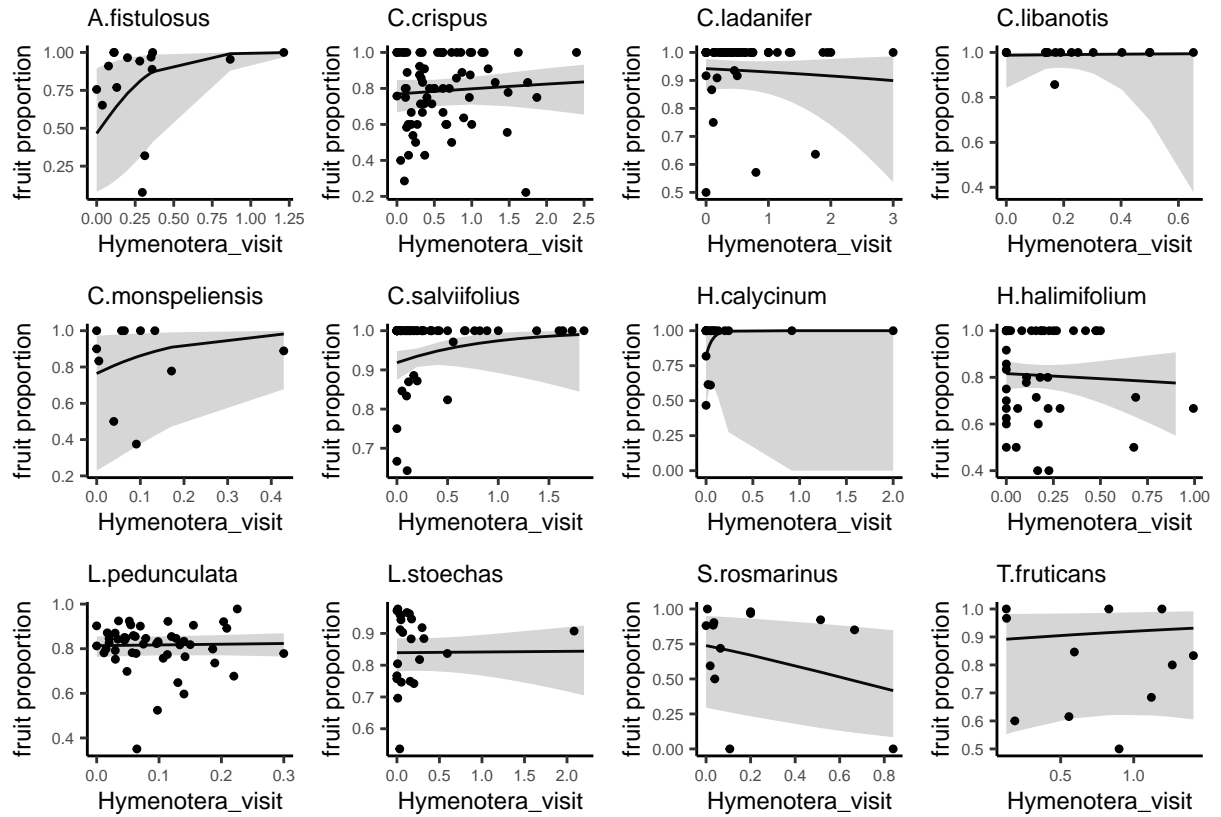
Hymenoptera visitation is calculated like hymenoptera frequency / Flower abundance



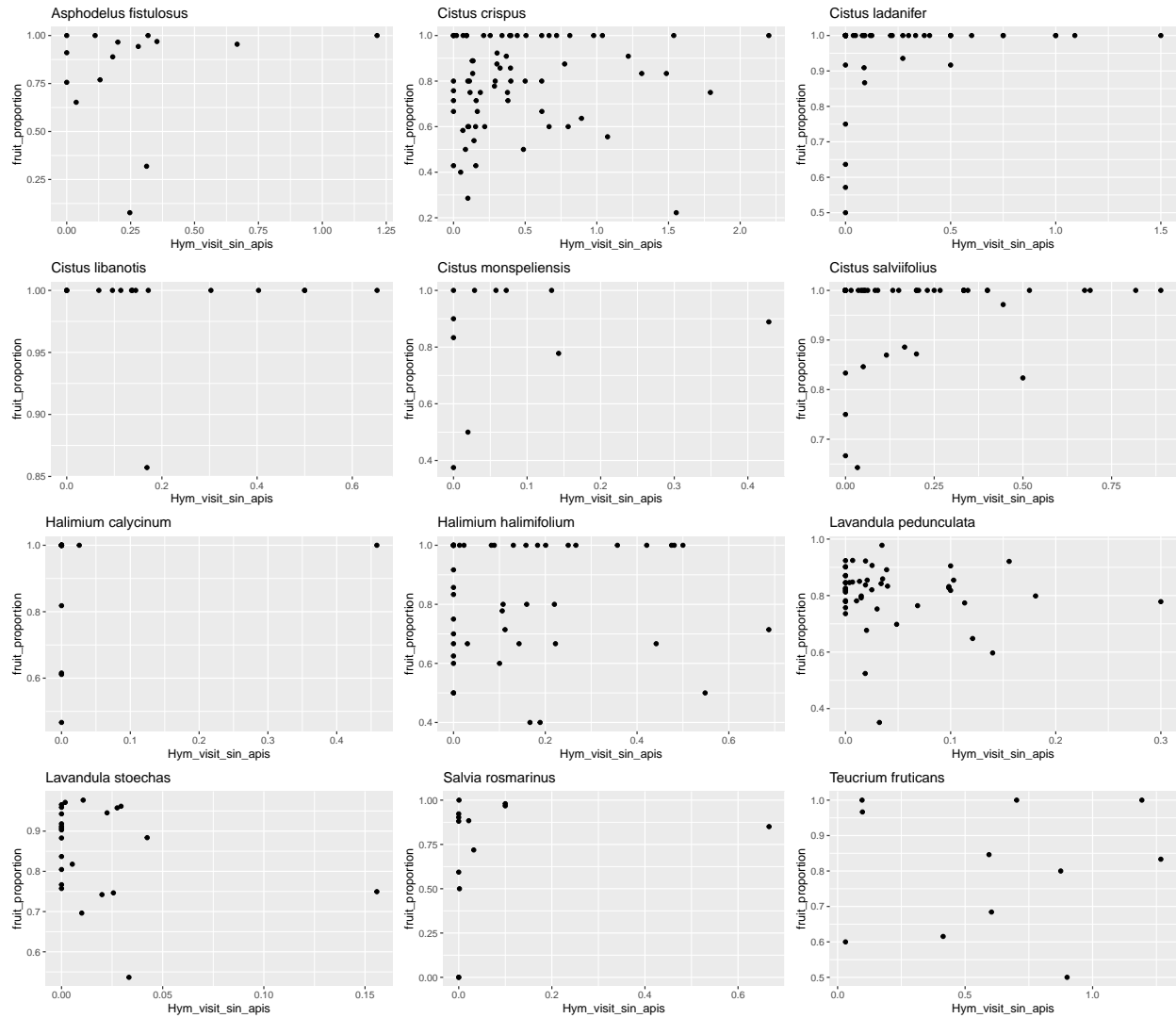
Summary of models for fruit proportion \sim Hymenoptera visitation per plant species. Binomial
 cbind(fruit_formado, Fruit_No), fruit formada= Fruit yes + fruit preyed + fruit dispersed. Site_ID
 as factor random

Plant_gen_sp	term	estimate	std.error	statistic	p.value
Asphodelus fistulosus	(Intercept)	-0.1374	1.1654	-0.1179	0.9061
	Hym_visit	5.6654	1.2033	4.7084	0.0000
Cistus crispus	(Intercept)	1.2015	0.2580	4.6575	0.0000
	Hym_visit	0.1714	0.2360	0.7260	0.4678
Cistus ladanifer	(Intercept)	2.7882	0.4742	5.8794	0.0000
	Hym_visit	-0.1993	0.4064	-0.4905	0.6238
Cistus libanotis	(Intercept)	4.3748	1.3782	3.1744	0.0015
	Hym_visit	1.1671	5.5773	0.2093	0.8342
Cistus monspeliensis	(Intercept)	1.1742	1.2190	0.9633	0.3354
	Hym_visit	6.5826	3.2748	2.0101	0.0444
Cistus salviifolius	(Intercept)	2.4214	0.2448	9.8918	0.0000
	Hym_visit	1.2158	0.9043	1.3445	0.1788
Halimium calycinum	(Intercept)	1.5227	0.8950	1.7014	0.0889
	Hym_visit	17.3352	14.5588	1.1907	0.2338
Halimium halimifolium	(Intercept)	1.4895	0.2015	7.3924	0.0000
	Hym_visit	-0.2761	0.6942	-0.3977	0.6908
Lavandula pedunculata	(Intercept)	1.4729	0.1544	9.5367	0.0000
	Hym_visit	0.2190	0.5491	0.3989	0.6900
Lavandula stoechas	(Intercept)	1.6535	0.1954	8.4631	0.0000
	Hym_visit	0.0162	0.1835	0.0881	0.9298
Salvia rosmarinus	(Intercept)	1.0362	0.9759	1.0618	0.2883
	Hym_visit	-1.6345	0.6089	-2.6843	0.0073
Teucrium fruticans	(Intercept)	2.0607	0.9933	2.0745	0.0380
	Hym_visit	0.3871	0.6491	0.5964	0.5509

Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	deviance	df.residual
<i>Asphodelus fistulosus</i>	15	1	-45.364	96.728	98.852	39.682	12
<i>Cistus crispus</i>	70	1	-109.059	224.118	230.864	95.979	67
<i>Cistus ladanifer</i>	53	1	-31.481	68.962	74.872	33.974	50
<i>Cistus libanotis</i>	16	1	-3.631	13.262	15.580	5.412	13
<i>Cistus monspeliensis</i>	11	1	-12.717	31.435	32.629	5.298	8
<i>Cistus salviifolius</i>	66	1	-42.874	91.748	98.317	59.388	63
<i>Halimium calycinum</i>	19	1	-18.747	43.494	46.327	13.749	16
<i>Halimium halimifolium</i>	45	1	-56.525	119.049	124.469	62.672	42
<i>Lavandula pedunculata</i>	49	1	-265.337	536.674	542.350	259.198	46
<i>Lavandula stoechas</i>	24	1	-165.704	337.409	340.943	192.513	21
<i>Salvia rosmarinus</i>	13	1	-47.234	100.467	102.162	21.628	10
<i>Teucrium fruticans</i>	11	1	-26.067	58.133	59.327	21.358	8



Hymenoptera visitation rate without *A.mellifera*

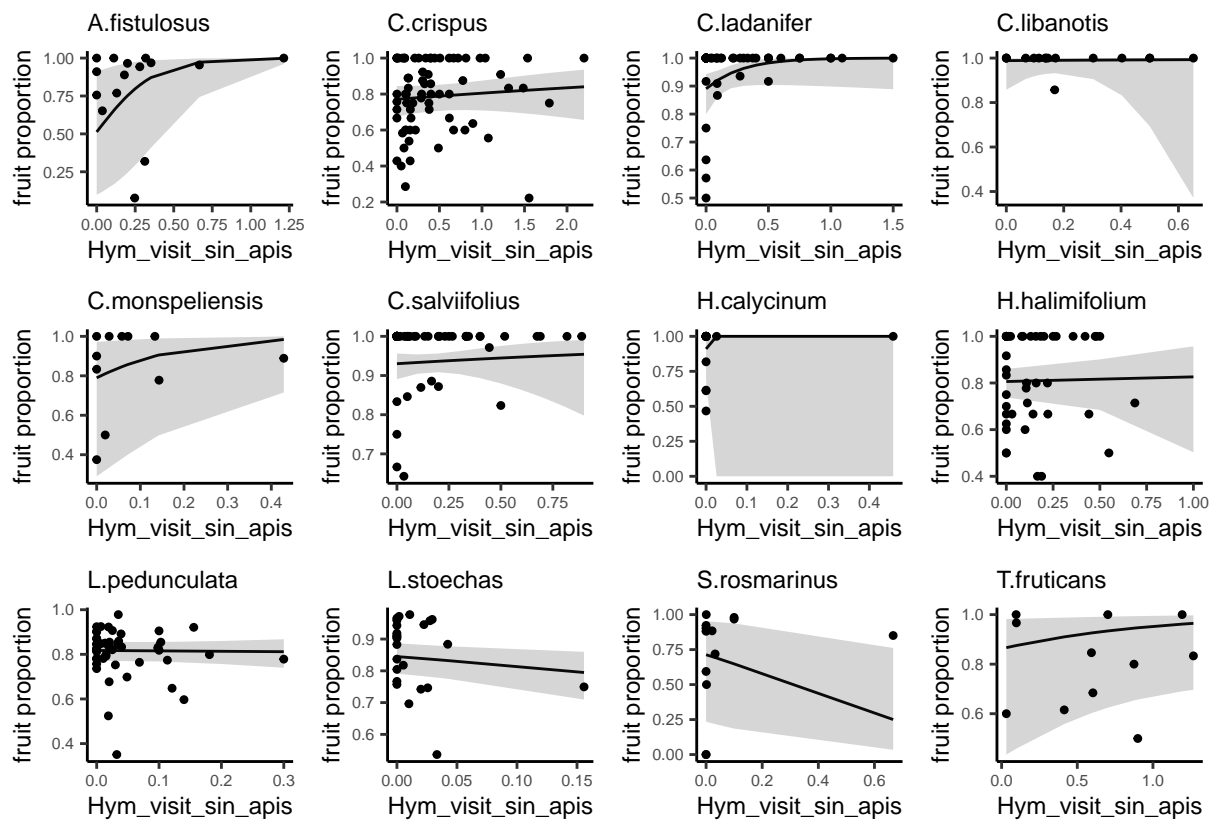


Problemas H.calycinum: unable to evaluate scaled gradient and Hessian is numerically singular: parameters are not uniquely determined

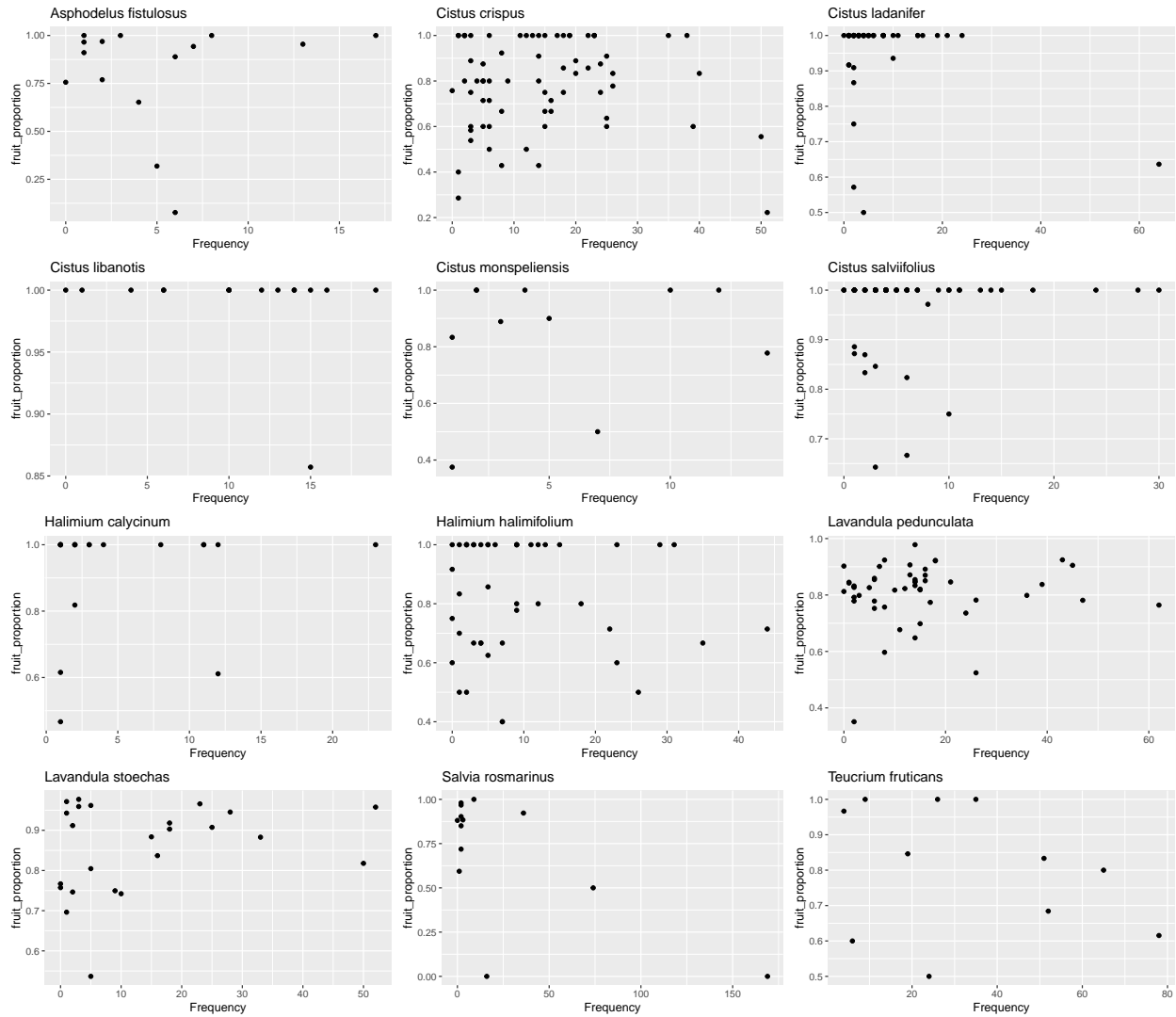
Plant_gen_sp	term	estimate	std.error	statistic	p.value
Asphodelus fistulosus	(Intercept)	0.0506	1.1556	0.0438	0.9650
	Hym_visit_sin_apis	5.2859	1.1309	4.6741	0.0000
Cistus crispus	(Intercept)	1.2144	0.2460	4.9356	0.0000
	Hym_visit_sin_apis	0.2028	0.2627	0.7720	0.4401
Cistus ladanifer	(Intercept)	2.0952	0.3632	5.7682	0.0000
	Hym_visit_sin_apis	3.8764	2.0992	1.8466	0.0648
Cistus libanotis	(Intercept)	4.4575	1.3571	3.2847	0.0010
	Hym_visit_sin_apis	0.7547	5.3975	0.1398	0.8888
Cistus monspeliensis	(Intercept)	1.3238	1.1305	1.1710	0.2416
	Hym_visit_sin_apis	6.5559	3.1703	2.0679	0.0387
Cistus salviifolius	(Intercept)	2.5896	0.2506	10.3324	0.0000
	Hym_visit_sin_apis	0.4964	1.0977	0.4523	0.6511
Halimium calycinum	(Intercept)	2.3155	0.8026	2.8849	0.0039
	Hym_visit_sin_apis	648.9390	503631.4409	0.0013	0.9990
Halimium halimifolium	(Intercept)	1.4255	0.1993	7.1534	0.0000
	Hym_visit_sin_apis	0.1338	0.8888	0.1506	0.8803
Lavandula pedunculata	(Intercept)	1.4981	0.1442	10.3915	0.0000
	Hym_visit_sin_apis	-0.1200	0.5912	-0.2030	0.8391
Lavandula stoechas	(Intercept)	1.6949	0.1859	9.1178	0.0000
	Hym_visit_sin_apis	-2.1872	1.0501	-2.0828	0.0373
Salvia rosmarinus	(Intercept)	0.9109	1.0679	0.8531	0.3936
	Hym_visit_sin_apis	-3.0131	0.7372	-4.0869	0.0000
Teucrium fruticans	(Intercept)	1.8349	1.0930	1.6787	0.0932
	Hym_visit_sin_apis	1.1606	0.7488	1.5500	0.1211

Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	deviance	df.residual
<i>Asphodelus fistulosus</i>	15	1	-46.572	99.144	101.269	42.114	12
<i>Cistus crispus</i>	70	1	-109.021	224.043	230.788	95.886	67
<i>Cistus ladanifer</i>	53	1	-28.868	63.736	69.647	33.639	50
<i>Cistus libanotis</i>	16	1	-3.644	13.288	15.606	5.438	13
<i>Cistus monspeliensis</i>	11	1	-12.298	30.596	31.790	4.752	8
<i>Cistus salviifolius</i>	66	1	-43.988	93.977	100.546	61.617	63
<i>Halimium calycinum</i>	19	1	-20.020	46.040	48.874	14.548	16
<i>Halimium halimifolium</i>	45	1	-56.591	119.181	124.601	62.804	42
<i>Lavandula pedunculata</i>	49	1	-265.396	536.792	542.468	259.652	46
<i>Lavandula stoechas</i>	24	1	-163.549	333.098	336.632	188.878	21
<i>Salvia rosmarinus</i>	13	1	-41.045	88.091	89.785	8.016	10
<i>Teucrium fruticans</i>	11	1	-25.015	56.030	57.224	18.771	8

Data were 'prettified'. Consider using `terms="Hym_visit_sin_apis [all]"` to get smooth plots



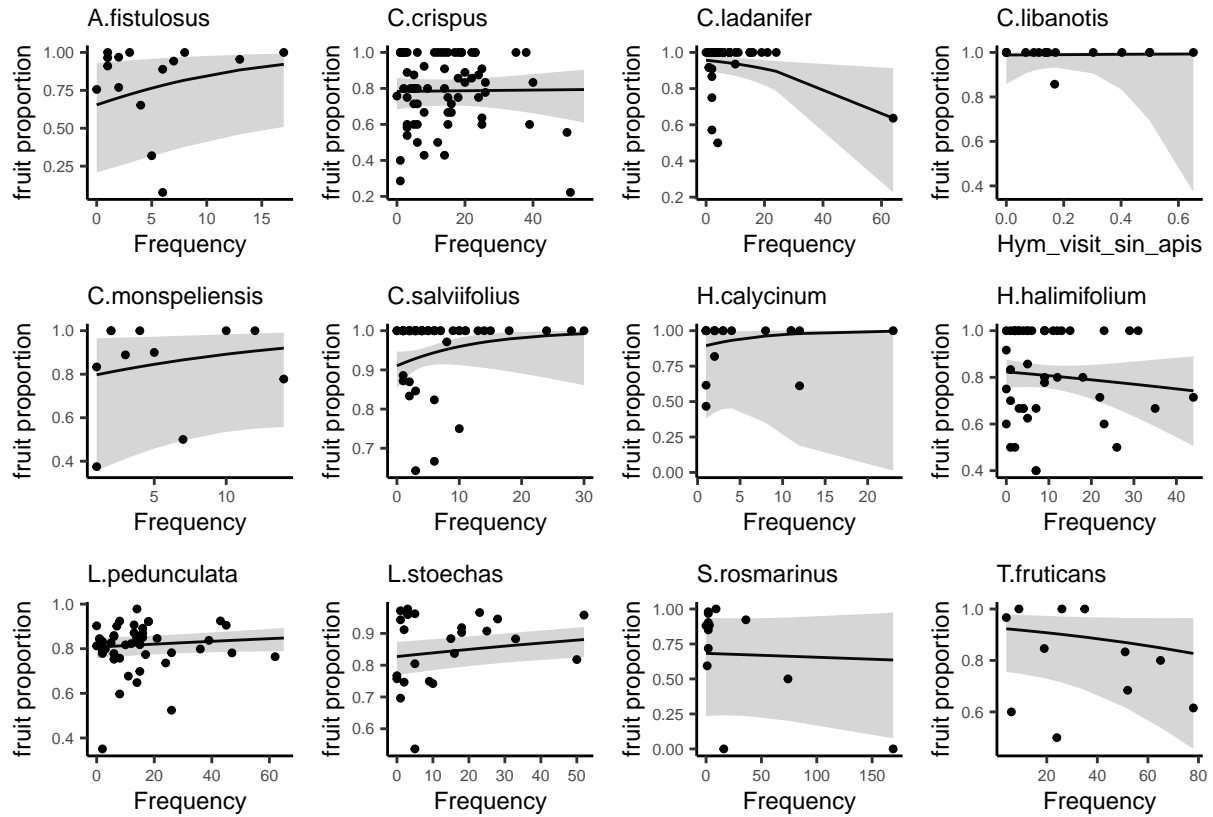
Pollinator frequency



Summary of models for fruit proportion ~ pollinator frequency per plant species. Binomial cbind(fruit_formado, Fruit_No), fruit formada= Fruit yes + fruit preyed + fruit dispersed. Site_ID as factor random

Plant_gen_sp	term	estimate	std.error	statistic	p.value
Asphodelus fistulosus	(Intercept)	0.6378	1.0080	0.6328	0.5269
	Frequency	0.1076	0.0551	1.9541	0.0507
Cistus crispus	(Intercept)	1.2845	0.2612	4.9179	0.0000
	Frequency	0.0012	0.0099	0.1168	0.9071
Cistus ladanifer	(Intercept)	3.1005	0.4733	6.5515	0.0000
	Frequency	-0.0397	0.0167	-2.3724	0.0177
Cistus libanotis	(Intercept)	8.5047	4.8190	1.7648	0.0776
	Frequency	-0.3183	0.3156	-1.0086	0.3132
Cistus monspeliensis	(Intercept)	1.2876	1.0234	1.2581	0.2084
	Frequency	0.0823	0.0697	1.1818	0.2373
Cistus salviifolius	(Intercept)	2.3181	0.2832	8.1853	0.0000
	Frequency	0.0847	0.0582	1.4554	0.1456
Halimium calycinum	(Intercept)	1.9767	1.3805	1.4319	0.1522
	Frequency	0.1591	0.2309	0.6891	0.4907
Halimium halimifolium	(Intercept)	1.5412	0.2110	7.3054	0.0000
	Frequency	-0.0110	0.0145	-0.7592	0.4477
Lavandula pedunculata	(Intercept)	1.4318	0.1506	9.5084	0.0000
	Frequency	0.0044	0.0028	1.5530	0.1204
Lavandula stoechas	(Intercept)	1.5656	0.1864	8.3984	0.0000
	Frequency	0.0083	0.0033	2.5561	0.0106
Salvia rosmarinus	(Intercept)	0.7658	0.9940	0.7704	0.4410
	Frequency	-0.0012	0.0086	-0.1441	0.8854
Teucrium fruticans	(Intercept)	2.5324	0.7048	3.5929	0.0003
	Frequency	-0.0124	0.0108	-1.1504	0.2500

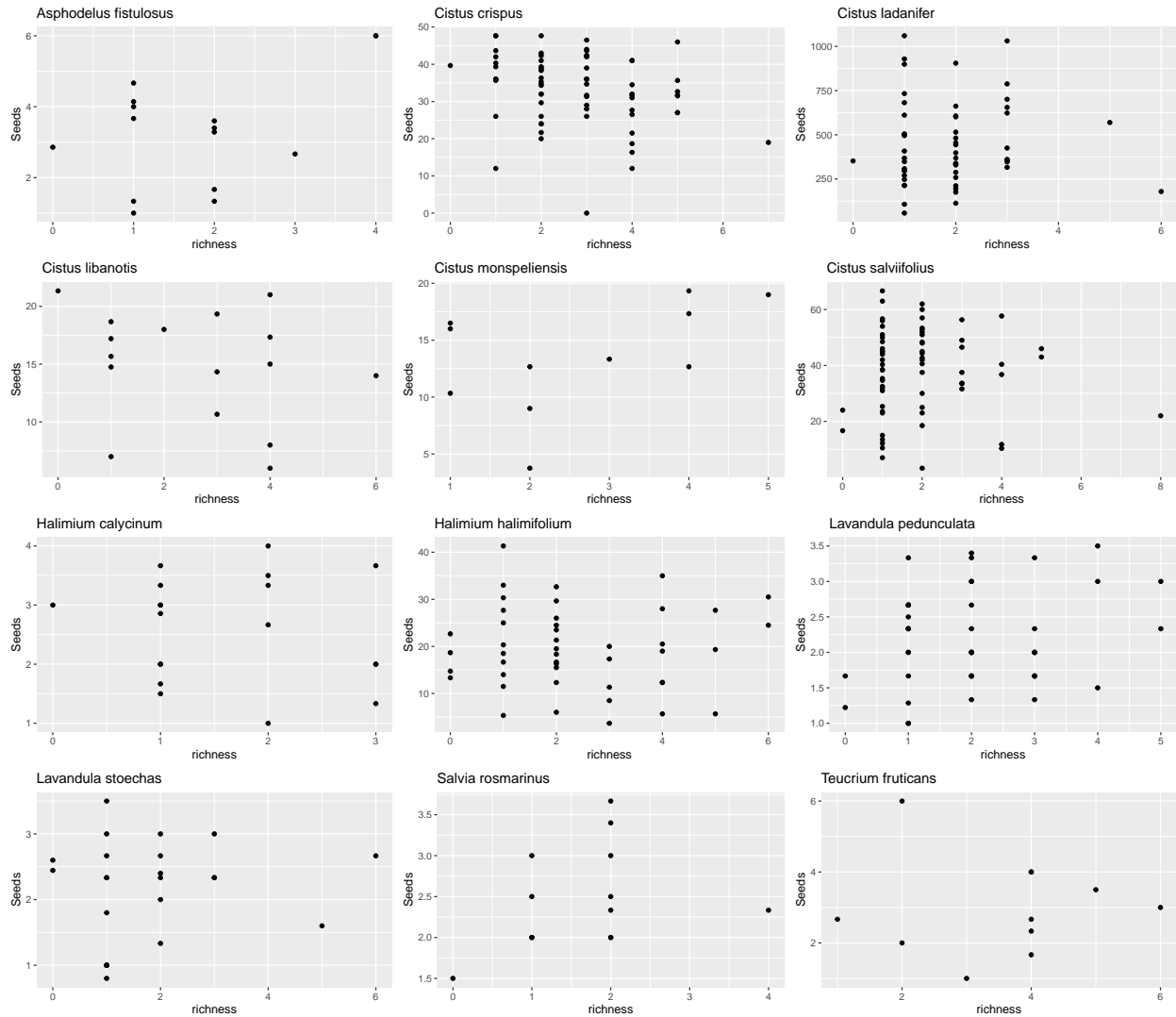
Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	deviance	df.residual
<i>Asphodelus fistulosus</i>	15	1	-60.207	126.413	128.537	70.149	12
<i>Cistus crispus</i>	70	1	-109.317	224.635	231.380	96.464	67
<i>Cistus ladanifer</i>	53	1	-28.659	63.318	69.229	28.599	50
<i>Cistus libanotis</i>	16	1	-2.801	11.603	13.921	3.753	13
<i>Cistus monspeliensis</i>	11	1	-14.791	35.582	36.775	10.292	8
<i>Cistus salviifolius</i>	66	1	-42.734	91.468	98.037	59.109	63
<i>Halimium calycinum</i>	19	1	-19.914	45.829	48.662	12.199	16
<i>Halimium halimifolium</i>	45	1	-56.323	118.647	124.067	62.269	42
<i>Lavandula pedunculata</i>	49	1	-264.199	534.398	540.074	256.898	46
<i>Lavandula stoechas</i>	24	1	-162.445	330.890	334.424	186.825	21
<i>Salvia rosmarinus</i>	13	1	-50.970	107.939	109.634	29.091	10
<i>Teucrium fruticans</i>	11	1	-25.557	57.113	58.307	21.847	8



Seed number

seed number is calculated like seed number mean per fruit in plant individual per plant species

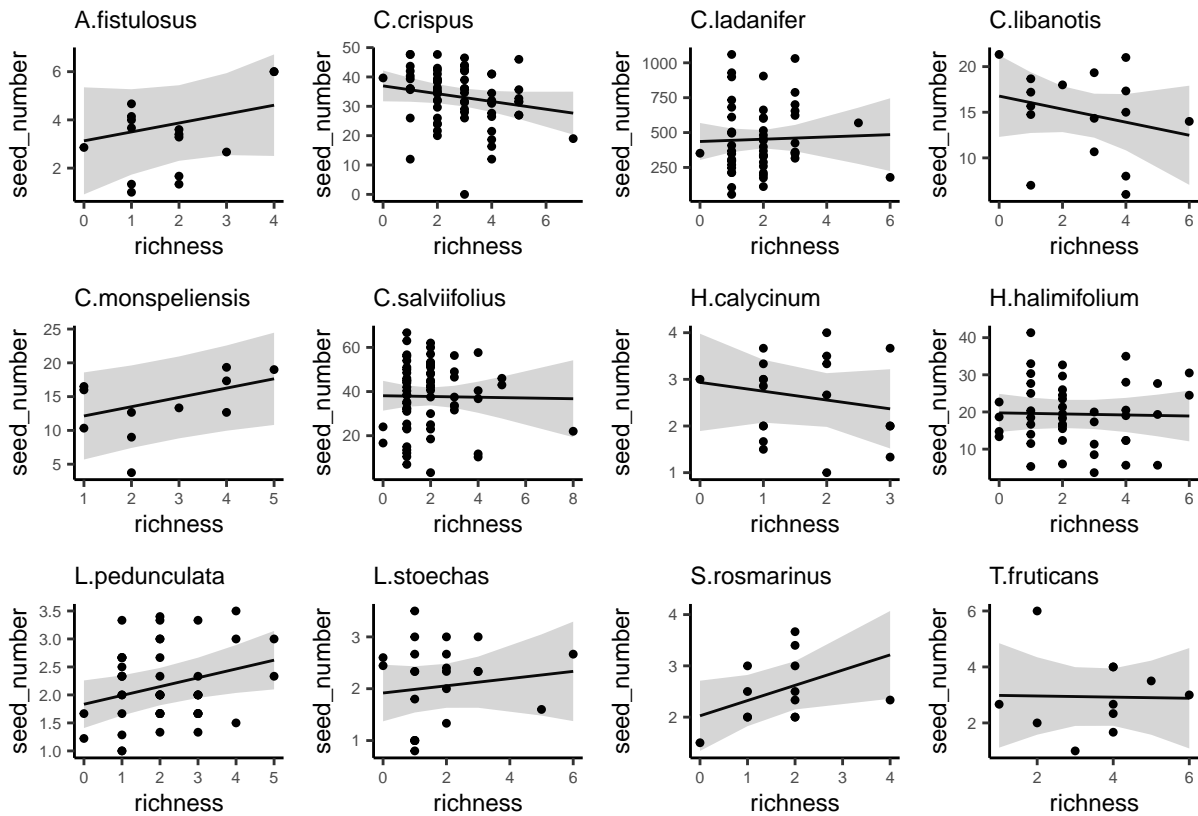
Richness



Summary of models for seed numbers ~ richness per plant species (LMM). Site_ID as factor random

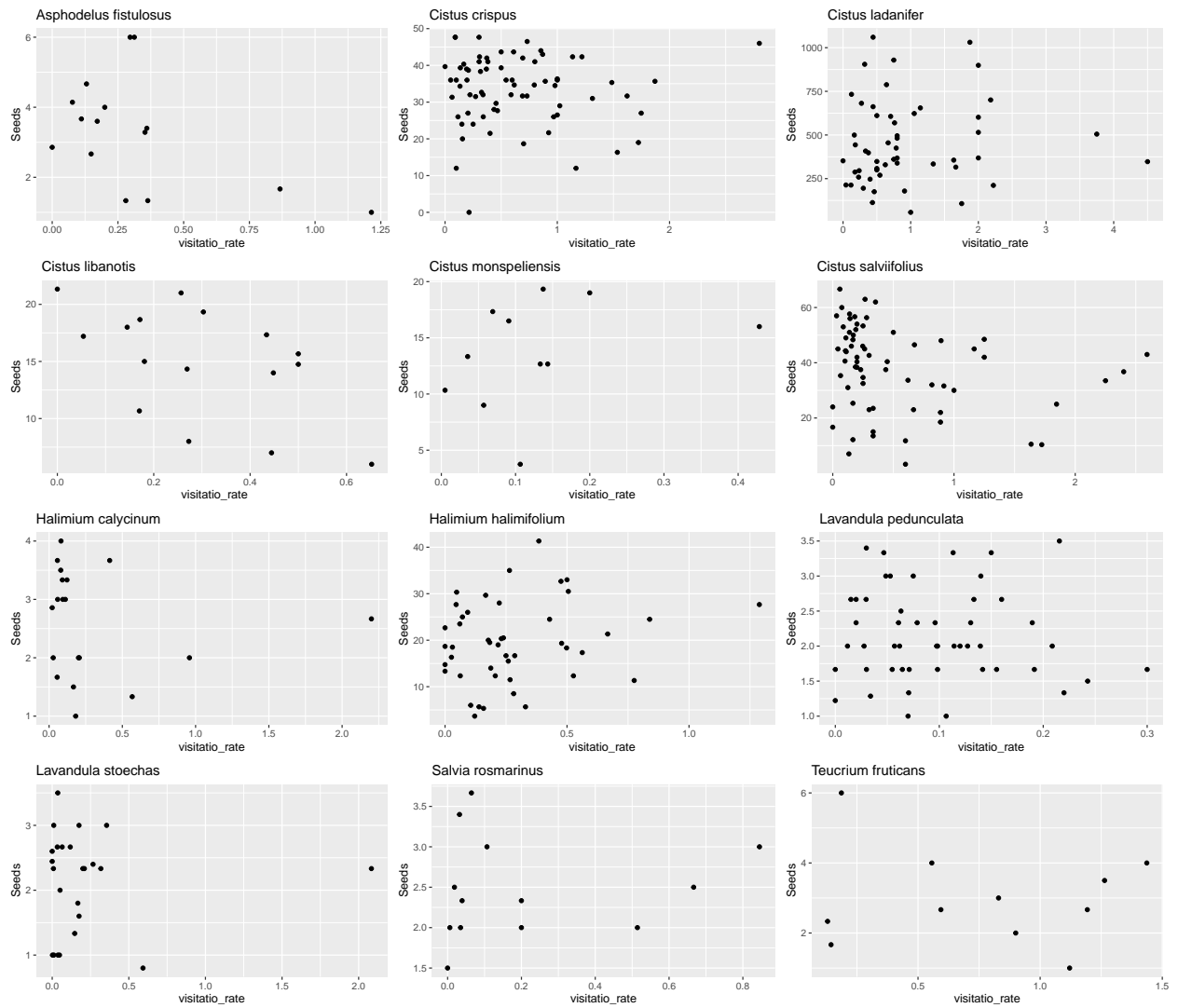
Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	3.1304	1.1326	2.7639	2.6368	0.0808
	richness	0.3696	0.3804	0.9716	9.2265	0.3560
Cistus crispus	(Intercept)	36.9479	2.6769	13.8023	37.7263	0.0000
	richness	-1.3247	0.7993	-1.6574	67.9047	0.1020
Cistus ladanifer	(Intercept)	436.1185	67.7538	6.4368	51.0000	0.0000
	richness	8.1617	31.3217	0.2606	51.0000	0.7955
Cistus libanotis	(Intercept)	16.7712	2.2834	7.3450	14.0000	0.0000
	richness	-0.7156	0.7408	-0.9660	14.0000	0.3504
Cistus monspeliensis	(Intercept)	10.7600	3.5884	2.9986	1.7997	0.1083
	richness	1.3748	0.6913	1.9886	8.0064	0.0819
Cistus salviifolius	(Intercept)	38.1001	3.4395	11.0772	32.9219	0.0000
	richness	-0.1686	1.4258	-0.1183	63.9064	0.9062
Halimium calycinum	(Intercept)	2.9349	0.5323	5.5132	8.7255	0.0004
	richness	-0.1890	0.2583	-0.7317	15.5290	0.4752
Halimium halimifolium	(Intercept)	19.7507	2.6148	7.5535	19.2544	0.0000
	richness	-0.1395	0.7791	-0.1791	38.5508	0.8588
Lavandula pedunculata	(Intercept)	1.8337	0.2170	8.4507	20.1167	0.0000
	richness	0.1575	0.0680	2.3155	42.5288	0.0255
Lavandula stoechas	(Intercept)	1.9171	0.2787	6.8793	14.9828	0.0000
	richness	0.0695	0.1029	0.6757	19.3912	0.5072
Salvia rosmarinus	(Intercept)	2.0257	0.3494	5.7981	10.8250	0.0001
	richness	0.2971	0.1573	1.8892	8.6479	0.0928
Teucrium fruticans	(Intercept)	3.0030	1.2301	2.4413	4.7547	0.0611
	richness	-0.0203	0.3141	-0.0647	8.3222	0.9499

Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual
<i>Asphodelus fistulosus</i>	15	1.151	-24.445	56.890	59.723	48.890	11
<i>Cistus crispus</i>	70	8.495	-249.888	507.777	516.771	499.777	66
<i>Cistus ladanifer</i>	53	241.240	-356.168	720.336	728.217	712.336	49
<i>Cistus libanotis</i>	16	4.787	-45.039	98.078	101.169	90.078	12
<i>Cistus monspeliensis</i>	11	3.128	-26.889	61.777	63.369	53.777	7
<i>Cistus salviifolius</i>	66	15.323	-270.604	549.208	557.966	541.208	62
<i>Halimium calycinum</i>	19	0.800	-24.892	57.785	61.563	49.785	15
<i>Halimium halimifolium</i>	45	8.083	-157.821	323.643	330.869	315.643	41
<i>Lavandula pedunculata</i>	49	0.476	-42.920	93.839	101.406	85.839	45
<i>Lavandula stoechas</i>	24	0.652	-28.031	64.063	68.775	56.063	20
<i>Salvia rosmarinus</i>	13	0.340	-11.026	30.051	32.311	22.051	9
<i>Teucrium fruticans</i>	11	1.428	-18.765	45.530	47.122	37.530	7



Visitation rate

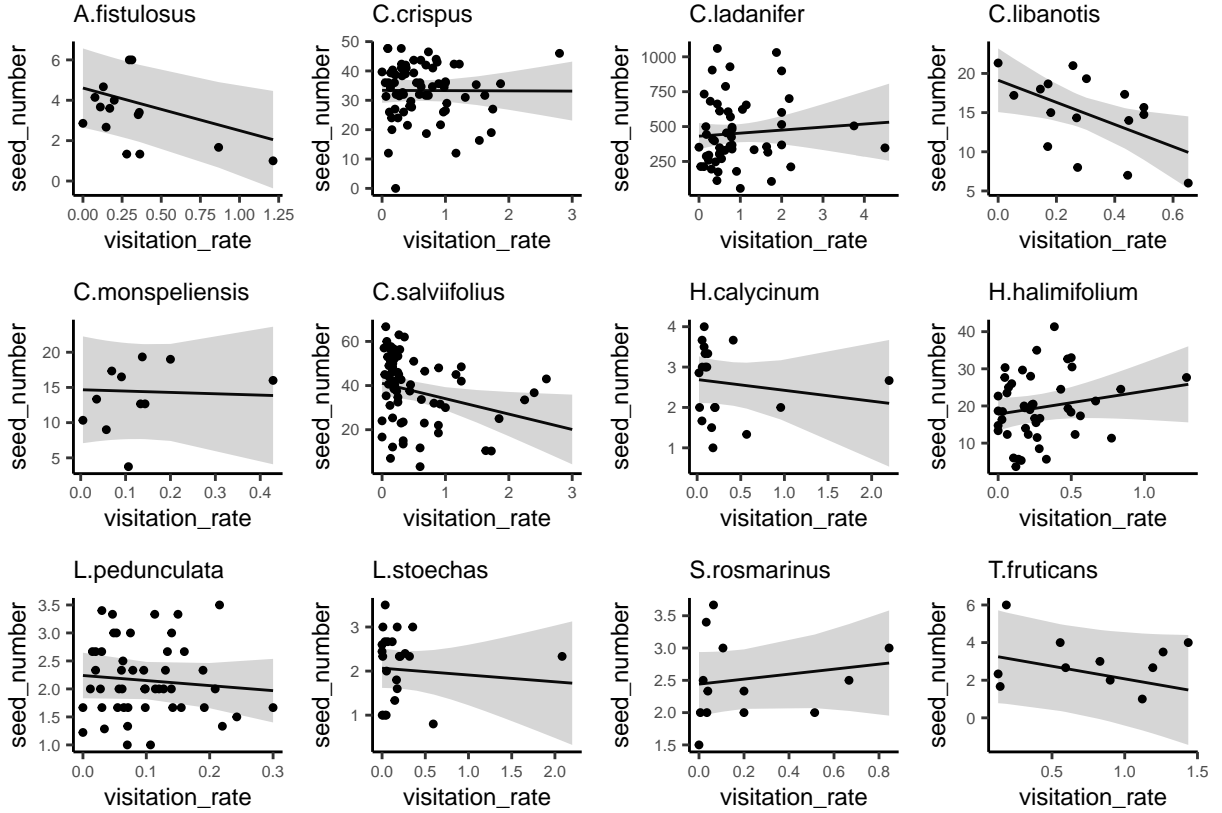
Visitation rate of all pollinators (hymenoptera, diptera and coleoptera)



Summary of models for seed number ~ visitation rate per plant species (LMM). Site_ID as factor random

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	4.6059	1.0005	4.6036	2.1136	0.0397
	visitatio_rate	-2.1062	0.8166	-2.5792	11.1023	0.0255
Cistus crispus	(Intercept)	33.3809	2.1583	15.4664	18.1118	0.0000
	visitatio_rate	-0.0804	2.0269	-0.0396	65.7180	0.9685
Cistus ladanifer	(Intercept)	431.1849	48.0821	8.9677	51.0000	0.0000
	visitatio_rate	21.7615	37.3768	0.5822	51.0000	0.5630
Cistus libanotis	(Intercept)	19.1307	2.0726	9.2304	14.0000	0.0000
	visitatio_rate	-14.1206	5.9647	-2.3674	14.0000	0.0329
Cistus monspeliensis	(Intercept)	14.6758	3.8979	3.7651	1.3623	0.1117
	visitatio_rate	-1.9138	12.6807	-0.1509	8.8220	0.8834
Cistus salviifolius	(Intercept)	41.0266	2.7452	14.9447	12.5494	0.0000
	visitatio_rate	-6.9772	3.1271	-2.2312	63.4551	0.0292
Halimium calycinum	(Intercept)	2.6921	0.2993	8.9950	4.7195	0.0004
	visitatio_rate	-0.2679	0.3988	-0.6718	14.8252	0.5121
Halimium halimifolium	(Intercept)	17.7932	2.2302	7.9783	12.8412	0.0000
	visitatio_rate	6.1745	4.7258	1.3066	39.6394	0.1989
Lavandula pedunculata	(Intercept)	2.2399	0.2075	10.7923	15.9502	0.0000
	visitatio_rate	-0.9026	1.1810	-0.7643	43.9519	0.4488
Lavandula stoechas	(Intercept)	2.0655	0.2281	9.0534	8.0645	0.0000
	visitatio_rate	-0.1542	0.3393	-0.4543	18.0396	0.6550
Salvia rosmarinus	(Intercept)	2.4410	0.2536	9.6253	7.2906	0.0000
	visitatio_rate	0.3861	0.5189	0.7441	6.7964	0.4818
Teucrium fruticans	(Intercept)	3.4215	1.3129	2.6061	1.1841	0.2008
	visitatio_rate	-1.3499	1.0419	-1.2956	8.9790	0.2274

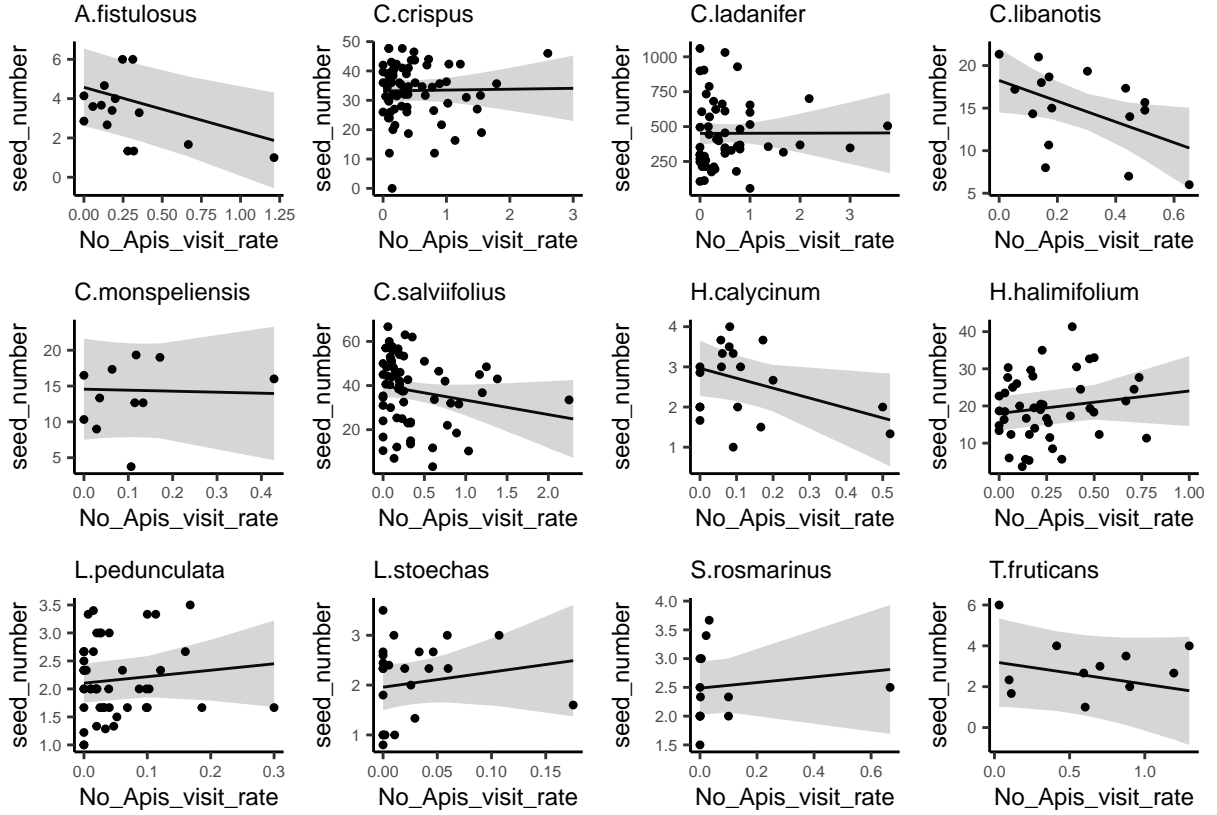
Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual
<i>Asphodelus fistulosus</i>	15	0.907	-21.208	50.416	53.248	42.416	11
<i>Cistus crispus</i>	70	8.508	-250.185	508.369	517.363	500.369	66
<i>Cistus ladanifer</i>	53	240.602	-355.853	719.707	727.588	711.707	49
<i>Cistus libanotis</i>	16	4.178	-40.912	89.824	92.915	81.824	12
<i>Cistus monspeliensis</i>	11	3.774	-25.780	59.560	61.151	51.560	7
<i>Cistus salviifolius</i>	66	14.572	-267.475	542.950	551.709	534.950	62
<i>Halimium calycinum</i>	19	0.816	-24.488	56.977	60.754	48.977	15
<i>Halimium halimifolium</i>	45	7.962	-155.185	318.369	325.596	310.369	41
<i>Lavandula pedunculata</i>	49	0.505	-42.337	92.675	100.242	84.675	45
<i>Lavandula stoechas</i>	24	0.653	-26.967	61.935	66.647	53.935	20
<i>Salvia rosmarinus</i>	13	0.418	-11.102	30.204	32.463	22.204	9
<i>Teucrium fruticans</i>	11	1.252	-17.056	42.111	43.703	34.111	7



Visitation rate of pollinators without *Apis mellifera*

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	4.5768	1.0092	4.5351	2.0662	0.0427
	No_Apis_visit_rate	-2.2278	0.7883	-2.8259	11.0139	0.0165
Cistus crispus	(Intercept)	33.1936	2.0155	16.4693	14.0713	0.0000
	No_Apis_visit_rate	0.2956	2.1330	0.1386	65.4085	0.8902
Cistus ladanifer	(Intercept)	451.0185	41.8966	10.7650	51.0000	0.0000
	No_Apis_visit_rate	0.8668	44.4458	0.0195	51.0000	0.9845
Cistus libanotis	(Intercept)	18.2495	1.9185	9.5126	14.0000	0.0000
	No_Apis_visit_rate	-12.1707	5.7584	-2.1136	14.0000	0.0530
Cistus monspeliensis	(Intercept)	14.5645	3.6012	4.0443	1.2317	0.1174
	No_Apis_visit_rate	-1.4076	11.0639	-0.1272	8.4977	0.9017
Cistus salviifolius	(Intercept)	39.9607	2.6124	15.2965	11.9791	0.0000
	No_Apis_visit_rate	-6.5599	4.4945	-1.4595	63.8870	0.1493
Halimium calycinum	(Intercept)	2.9643	0.3517	8.4294	5.5983	0.0002
	No_Apis_visit_rate	-2.4712	1.3889	-1.7793	16.4138	0.0937
Halimium halimifolium	(Intercept)	17.9769	2.3143	7.7677	14.0418	0.0000
	No_Apis_visit_rate	6.0515	5.8790	1.0293	41.0196	0.3094
Lavandula pedunculata	(Intercept)	2.1033	0.1770	11.8799	10.4294	0.0000
	No_Apis_visit_rate	1.1528	1.3686	0.8423	43.4127	0.4042
Lavandula stoechas	(Intercept)	1.9584	0.2348	8.3405	9.0200	0.0000
	No_Apis_visit_rate	3.0329	3.5113	0.8638	19.9431	0.3980
Salvia rosmarinus	(Intercept)	2.4865	0.2401	10.3550	5.9762	0.0000
	No_Apis_visit_rate	0.4871	0.8484	0.5742	6.8987	0.5841
Teucrium fruticans	(Intercept)	3.2122	1.1233	2.8598	1.1935	0.1804
	No_Apis_visit_rate	-1.0883	1.1122	-0.9786	8.9374	0.3535

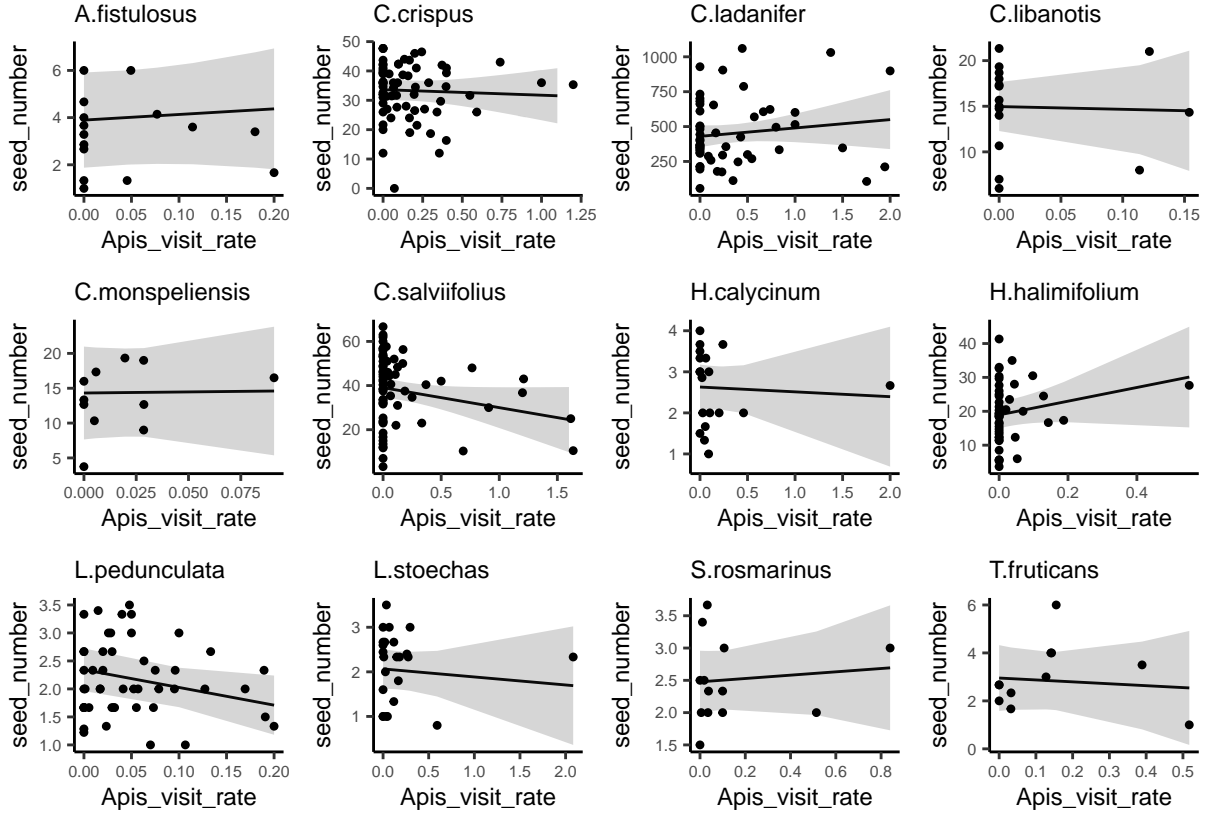
Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual
<i>Asphodelus fistulosus</i>	15	0.873	-20.815	49.631	52.463	41.631	11
<i>Cistus crispus</i>	70	8.504	-250.125	508.249	517.243	500.249	66
<i>Cistus ladanifer</i>	53	241.399	-355.852	719.705	727.586	711.705	49
<i>Cistus libanotis</i>	16	4.304	-41.395	90.791	93.881	82.791	12
<i>Cistus monspeliensis</i>	11	3.789	-25.920	59.839	61.431	51.839	7
<i>Cistus salviifolius</i>	66	15.022	-268.407	544.813	553.572	536.813	62
<i>Halimium calycinum</i>	19	0.730	-22.003	52.007	55.785	44.007	15
<i>Halimium halimifolium</i>	45	8.042	-155.295	318.590	325.816	310.590	41
<i>Lavandula pedunculata</i>	49	0.505	-42.127	92.254	99.822	84.254	45
<i>Lavandula stoechas</i>	24	0.644	-24.356	56.713	61.425	48.713	20
<i>Salvia rosmarinus</i>	13	0.424	-10.727	29.454	31.714	21.454	9
<i>Teucrium fruticans</i>	11	1.304	-17.198	42.395	43.987	34.395	7



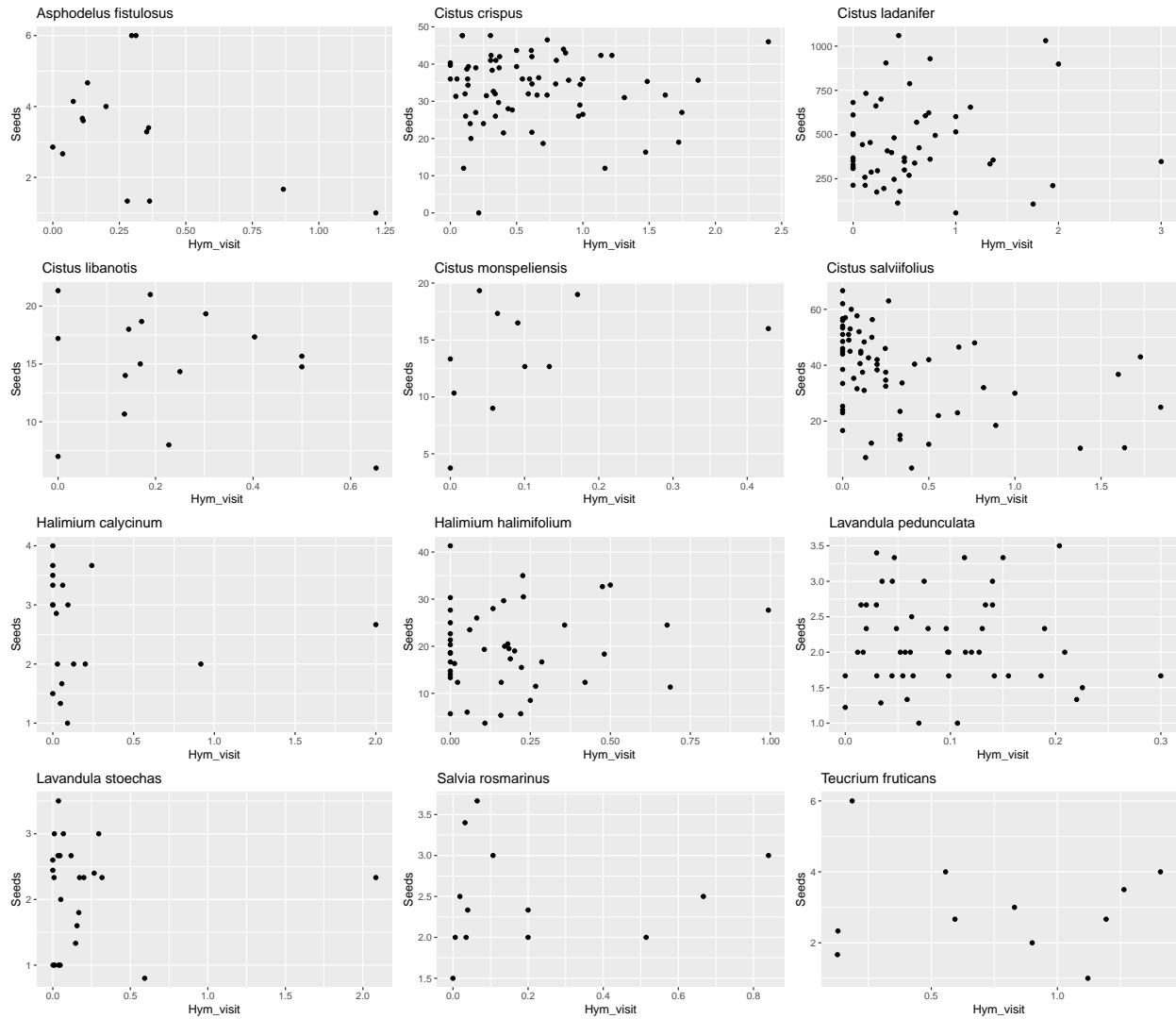
Visitation rate of *Apis mellifera*

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	3.8953	1.0293	3.7842	1.9670	0.0649
	Apis_visit_rate	2.3751	4.8835	0.4863	11.3822	0.6359
Cistus crispus	(Intercept)	33.6309	1.9060	17.6446	11.5720	0.0000
	Apis_visit_rate	-1.8908	4.7366	-0.3992	66.1270	0.6910
Cistus ladanifer	(Intercept)	430.0378	39.7835	10.8095	51.0000	0.0000
	Apis_visit_rate	59.9715	62.5951	0.9581	51.0000	0.3425
Cistus libanotis	(Intercept)	14.9661	1.3676	10.9434	14.0000	0.0000
	Apis_visit_rate	-3.0193	24.1349	-0.1251	14.0000	0.9022
Cistus monspeliensis	(Intercept)	14.3152	3.4007	4.2095	1.1201	0.1278
	Apis_visit_rate	3.1350	49.6316	0.0632	8.5447	0.9511
Cistus salviifolius	(Intercept)	39.0436	2.3153	16.8634	9.6117	0.0000
	Apis_visit_rate	-9.0516	5.0437	-1.7946	63.9985	0.0774
Halimium calycinum	(Intercept)	2.6294	0.2801	9.3871	3.7851	0.0009
	Apis_visit_rate	-0.1174	0.4529	-0.2592	14.2640	0.7992
Halimium halimifolium	(Intercept)	18.9378	2.0236	9.3584	6.6511	0.0000
	Apis_visit_rate	20.2225	13.8547	1.4596	39.9575	0.1522
Lavandula pedunculata	(Intercept)	2.3429	0.1945	12.0455	12.6746	0.0000
	Apis_visit_rate	-3.1643	1.5179	-2.0847	46.8048	0.0426
Lavandula stoechas	(Intercept)	2.0652	0.2263	9.1257	7.7478	0.0000
	Apis_visit_rate	-0.1798	0.3352	-0.5363	18.0205	0.5983
Salvia rosmarinus	(Intercept)	2.4765	0.2458	10.0756	6.6888	0.0000
	Apis_visit_rate	0.2580	0.6165	0.4185	7.4886	0.6873
Teucrium fruticans	(Intercept)	2.9527	0.7004	4.2158	0.8473	0.1818
	Apis_visit_rate	-0.7980	2.6647	-0.2995	8.8599	0.7715

Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual
<i>Asphodelus fistulosus</i>	15	1.129	-22.140	52.280	55.112	44.280	11
<i>Cistus crispus</i>	70	8.494	-249.256	506.511	515.505	498.511	66
<i>Cistus ladanifer</i>	53	239.257	-355.046	718.093	725.974	710.093	49
<i>Cistus libanotis</i>	16	4.941	-42.031	92.062	95.153	84.062	12
<i>Cistus monspeliensis</i>	11	3.807	-24.428	56.855	58.447	48.855	7
<i>Cistus salviifolius</i>	66	14.827	-267.790	543.579	552.338	535.579	62
<i>Halimium calycinum</i>	19	0.832	-24.562	57.124	60.902	49.124	15
<i>Halimium halimifolium</i>	45	7.815	-153.915	315.831	323.057	307.831	41
<i>Lavandula pedunculata</i>	49	0.482	-40.276	88.553	96.120	80.553	45
<i>Lavandula stoechas</i>	24	0.651	-26.939	61.877	66.589	53.877	20
<i>Salvia rosmarinus</i>	13	0.438	-11.134	30.269	32.529	22.269	9
<i>Teucrium fruticans</i>	11	1.402	-16.582	41.164	42.755	33.164	7



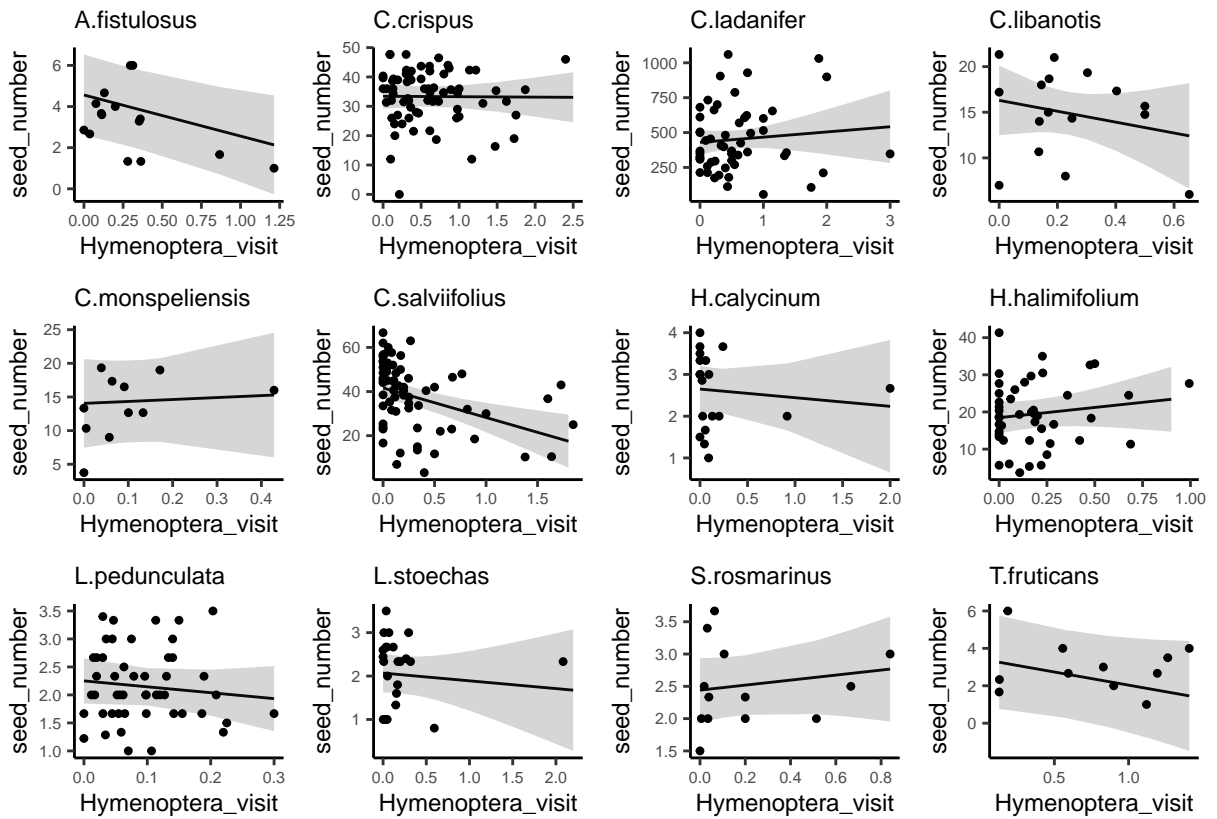
Hymenoptera visitation rate



Summary of models for seed number ~ Hymenoptera visitation per plant species (LMM). Site_ID as factor random

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	4.5623	1.0058	4.5358	2.0900	0.0417
	Hym_visit	-1.9997	0.7919	-2.5251	11.0652	0.0281
Cistus crispus	(Intercept)	33.4147	2.1473	15.5614	17.8652	0.0000
	Hym_visit	-0.1410	2.0916	-0.0674	65.4361	0.9465
Cistus ladanifer	(Intercept)	429.8104	45.2401	9.5006	51.0000	0.0000
	Hym_visit	37.3180	53.2003	0.7015	51.0000	0.4862
Cistus libanotis	(Intercept)	16.3039	1.9437	8.3882	14.0000	0.0000
	Hym_visit	-5.9670	6.4654	-0.9229	14.0000	0.3717
Cistus monspeliensis	(Intercept)	14.0426	3.3633	4.1753	1.1741	0.1209
	Hym_visit	2.8972	11.3469	0.2553	8.7763	0.8044
Cistus salviifolius	(Intercept)	41.6444	2.4659	16.8883	13.1177	0.0000
	Hym_visit	-13.4132	3.8952	-3.4435	63.8183	0.0010
Halimium calycinum	(Intercept)	2.6498	0.2869	9.2353	3.8909	0.0009
	Hym_visit	-0.2067	0.4242	-0.4873	14.1649	0.6335
Halimium halimifolium	(Intercept)	18.4598	2.1591	8.5499	9.6982	0.0000
	Hym_visit	5.5040	5.5550	0.9908	38.0853	0.3280
Lavandula pedunculata	(Intercept)	2.2508	0.2060	10.9254	15.4525	0.0000
	Hym_visit	-1.0557	1.1969	-0.8821	44.2223	0.3825
Lavandula stoechas	(Intercept)	2.0685	0.2274	9.0955	7.9790	0.0000
	Hym_visit	-0.1787	0.3377	-0.5293	18.0039	0.6031
Salvia rosmarinus	(Intercept)	2.4408	0.2537	9.6209	7.2932	0.0000
	Hym_visit	0.3880	0.5205	0.7453	6.7920	0.4811
Teucrium fruticans	(Intercept)	3.4385	1.3340	2.5776	1.1662	0.2060
	Hym_visit	-1.4052	1.0489	-1.3398	8.9846	0.2132

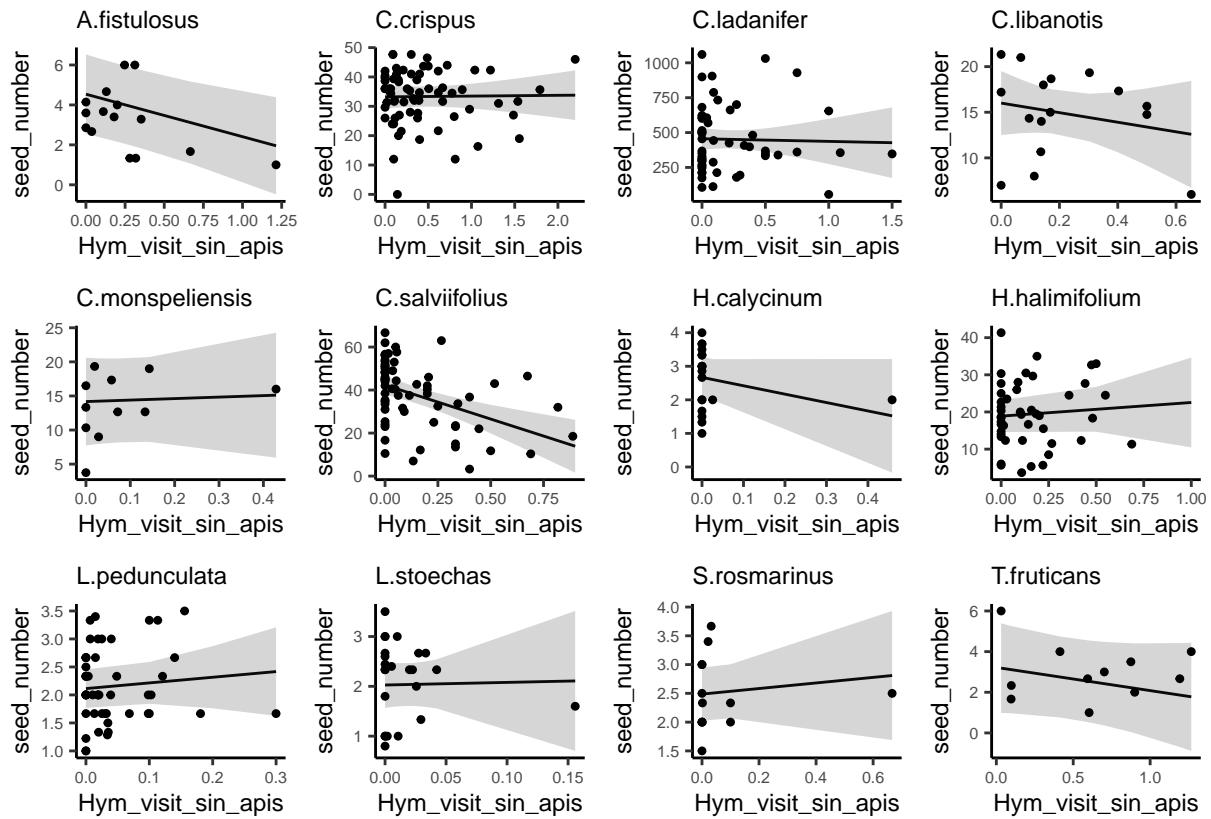
Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual
<i>Asphodelus fistulosus</i>	15	0.913	-21.339	50.677	53.509	42.677	11
<i>Cistus crispus</i>	70	8.509	-250.152	508.304	517.298	500.304	66
<i>Cistus ladanifer</i>	53	240.244	-355.423	718.846	726.727	710.846	49
<i>Cistus libanotis</i>	16	4.800	-42.914	93.827	96.918	85.827	12
<i>Cistus monspeliensis</i>	11	3.811	-25.875	59.750	61.341	51.750	7
<i>Cistus salviifolius</i>	66	13.878	-264.182	536.364	545.123	528.364	62
<i>Halimium calycinum</i>	19	0.821	-24.538	57.075	60.853	49.075	15
<i>Halimium halimifolium</i>	45	7.980	-155.377	318.753	325.980	310.753	41
<i>Lavandula pedunculata</i>	49	0.503	-42.227	92.453	100.021	84.453	45
<i>Lavandula stoechas</i>	24	0.652	-26.935	61.869	66.581	53.869	20
<i>Salvia rosmarinus</i>	13	0.418	-11.098	30.196	32.455	22.196	9
<i>Teucrium fruticans</i>	11	1.244	-17.015	42.031	43.622	34.031	7



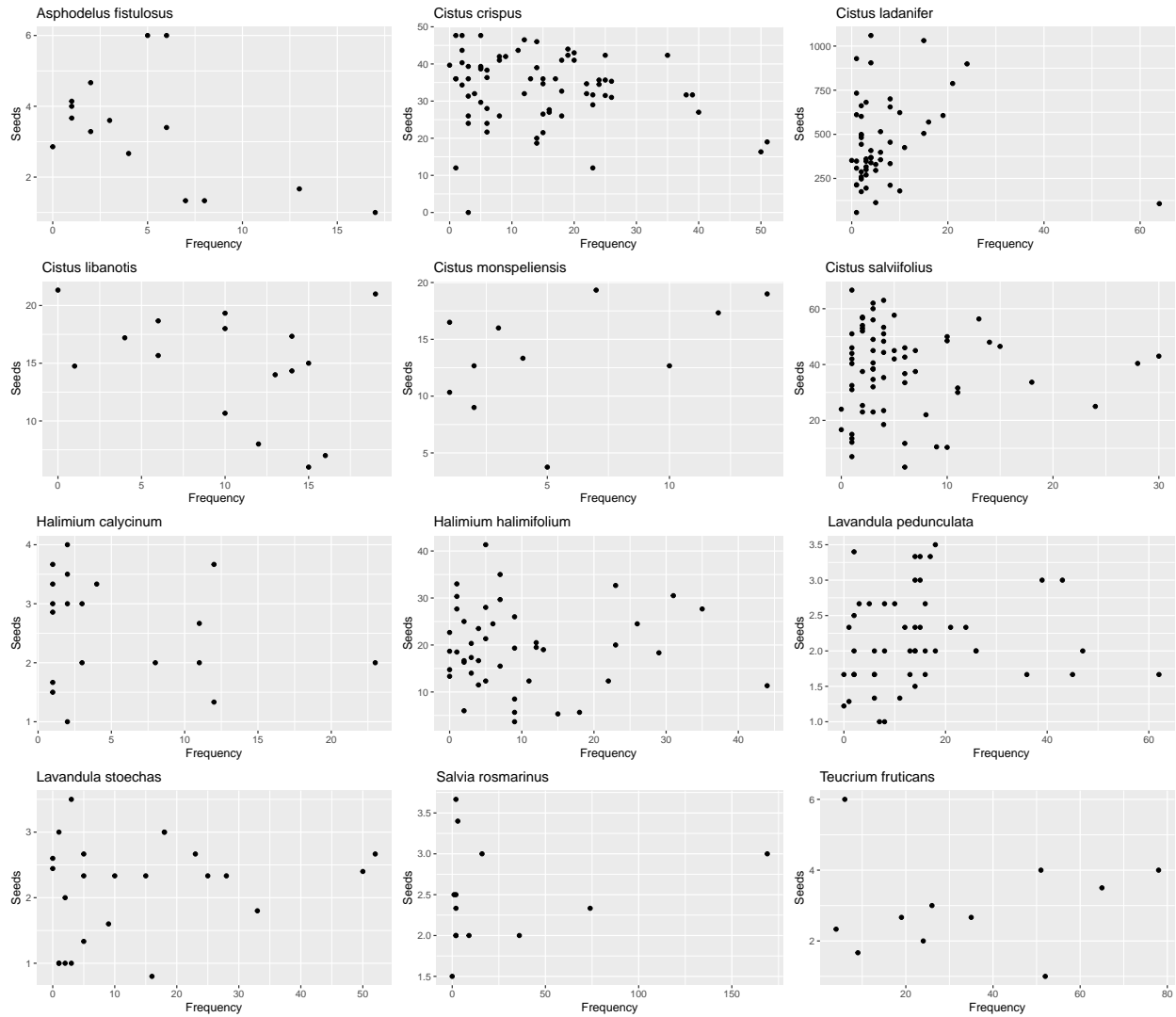
Hymenoptera visitation rate without *A.mellifera*

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	4.5375	1.0158	4.4668	2.0498	0.0446
	Hym_visit_sin_apis	-2.1277	0.7670	-2.7742	10.9943	0.0181
Cistus crispus	(Intercept)	33.2159	2.0095	16.5292	13.8556	0.0000
	Hym_visit_sin_apis	0.2632	2.2353	0.1177	65.3537	0.9066
Cistus ladanifer	(Intercept)	455.7176	39.7203	11.4732	9.4197	0.0000
	Hym_visit_sin_apis	-18.8968	97.7476	-0.1933	50.9804	0.8475
Cistus libanotis	(Intercept)	16.0063	1.7863	8.9604	14.0000	0.0000
	Hym_visit_sin_apis	-5.2484	6.2127	-0.8448	14.0000	0.4124
Cistus monspeliensis	(Intercept)	14.1733	3.2773	4.3247	1.1000	0.1273
	Hym_visit_sin_apis	2.1921	10.3243	0.2123	8.4568	0.8369
Cistus salviifolius	(Intercept)	42.3069	2.2653	18.6759	10.2850	0.0000
	Hym_visit_sin_apis	-31.5766	7.9450	-3.9744	63.4293	0.0002
Halimium calycinum	(Intercept)	2.6695	0.3145	8.4880	3.5788	0.0017
	Hym_visit_sin_apis	-2.5011	1.8710	-1.3367	14.3617	0.2021
Halimium halimifolium	(Intercept)	18.8746	2.1840	8.6421	9.8114	0.0000
	Hym_visit_sin_apis	3.6751	6.9142	0.5315	39.9050	0.5980
Lavandula pedunculata	(Intercept)	2.1132	0.1753	12.0543	10.0503	0.0000
	Hym_visit_sin_apis	1.0131	1.3853	0.7314	43.1197	0.4685
Lavandula stoechas	(Intercept)	2.0267	0.2349	8.6282	7.6958	0.0000
	Hym_visit_sin_apis	0.5246	4.9229	0.1066	21.9266	0.9161
Salvia rosmarinus	(Intercept)	2.4868	0.2401	10.3565	5.9678	0.0000
	Hym_visit_sin_apis	0.4846	0.8483	0.5713	6.9036	0.5859
Teucrium fruticans	(Intercept)	3.2233	1.1400	2.8274	1.1730	0.1858
	Hym_visit_sin_apis	-1.1402	1.1220	-1.0162	8.9419	0.3362

Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual
<i>Asphodelus fistulosus</i>	15	0.879	-20.941	49.883	52.715	41.883	11
<i>Cistus crispus</i>	70	8.504	-250.080	508.161	517.155	500.161	66
<i>Cistus ladanifer</i>	53	241.292	-355.045	718.091	725.972	710.091	49
<i>Cistus libanotis</i>	16	4.822	-43.024	94.047	97.138	86.047	12
<i>Cistus monspeliensis</i>	11	3.811	-25.979	59.957	61.549	51.957	7
<i>Cistus salviifolius</i>	66	13.647	-261.742	531.484	540.243	523.484	62
<i>Halimium calycinum</i>	19	0.747	-22.389	52.778	56.555	44.778	15
<i>Halimium halimifolium</i>	45	8.061	-155.511	319.021	326.248	311.021	41
<i>Lavandula pedunculata</i>	49	0.506	-42.204	92.407	99.975	84.407	45
<i>Lavandula stoechas</i>	24	0.657	-24.394	56.788	61.500	48.788	20
<i>Salvia rosmarinus</i>	13	0.424	-10.729	29.458	31.718	21.458	9
<i>Teucrium fruticans</i>	11	1.298	-17.167	42.334	43.925	34.334	7



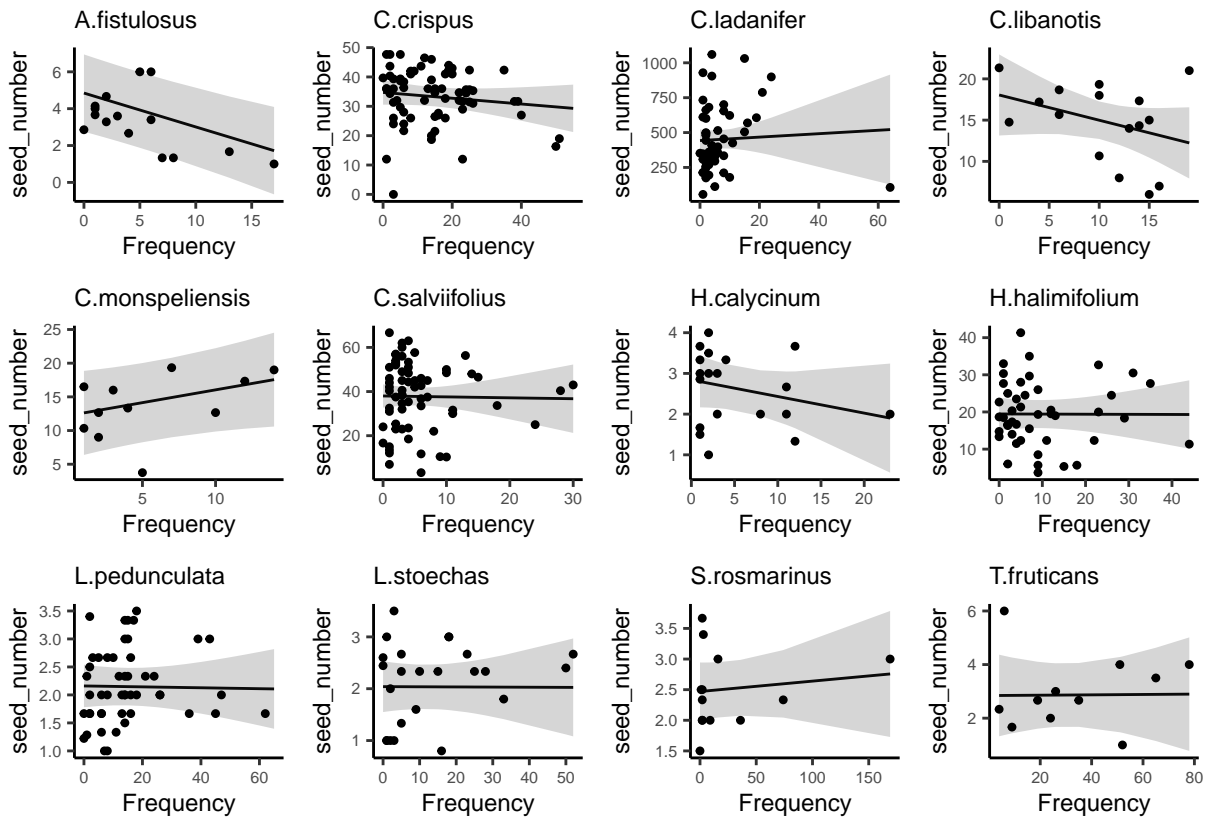
Pollinator frequency



Summary of models for seed number ~ pollinator frequency per plant species (LMM). Site_ID as factor random

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	4.8472	1.0688	4.5350	2.0870	0.0419
	Frequency	-0.1838	0.0485	-3.7899	11.2106	0.0029
Cistus crispus	(Intercept)	34.7305	2.1267	16.3307	19.1769	0.0000
	Frequency	-0.0986	0.0926	-1.0645	67.1508	0.2909
Cistus ladanifer	(Intercept)	442.8248	40.7179	10.8754	8.1380	0.0000
	Frequency	1.2295	3.4535	0.3560	48.2360	0.7234
Cistus libanotis	(Intercept)	18.0444	2.5067	7.1984	14.0000	0.0000
	Frequency	-0.3056	0.2157	-1.4169	14.0000	0.1784
Cistus monspeliensis	(Intercept)	12.2415	3.2677	3.7462	1.3935	0.1090
	Frequency	0.3798	0.2297	1.6538	8.0287	0.1366
Cistus salviifolius	(Intercept)	37.9992	2.6862	14.1459	18.4626	0.0000
	Frequency	-0.0419	0.3119	-0.1343	63.6194	0.8936
Halimium calycinum	(Intercept)	2.8413	0.3441	8.2577	5.8556	0.0002
	Frequency	-0.0408	0.0363	-1.1255	16.7285	0.2763
Halimium halimifolium	(Intercept)	19.4644	2.2147	8.7887	10.5429	0.0000
	Frequency	-0.0035	0.1223	-0.0285	41.1632	0.9774
Lavandula pedunculata	(Intercept)	2.1604	0.1936	11.1574	12.8025	0.0000
	Frequency	-0.0008	0.0063	-0.1293	44.3366	0.8977
Lavandula stoechas	(Intercept)	2.0399	0.2502	8.1546	9.2157	0.0000
	Frequency	-0.0003	0.0106	-0.0267	21.5376	0.9789
Salvia rosmarinus	(Intercept)	2.4697	0.2420	10.2069	6.5095	0.0000
	Frequency	0.0017	0.0033	0.5209	7.7412	0.6170
Teucrium fruticans	(Intercept)	2.8432	0.8269	3.4386	1.4344	0.1174
	Frequency	0.0007	0.0188	0.0362	7.0442	0.9721

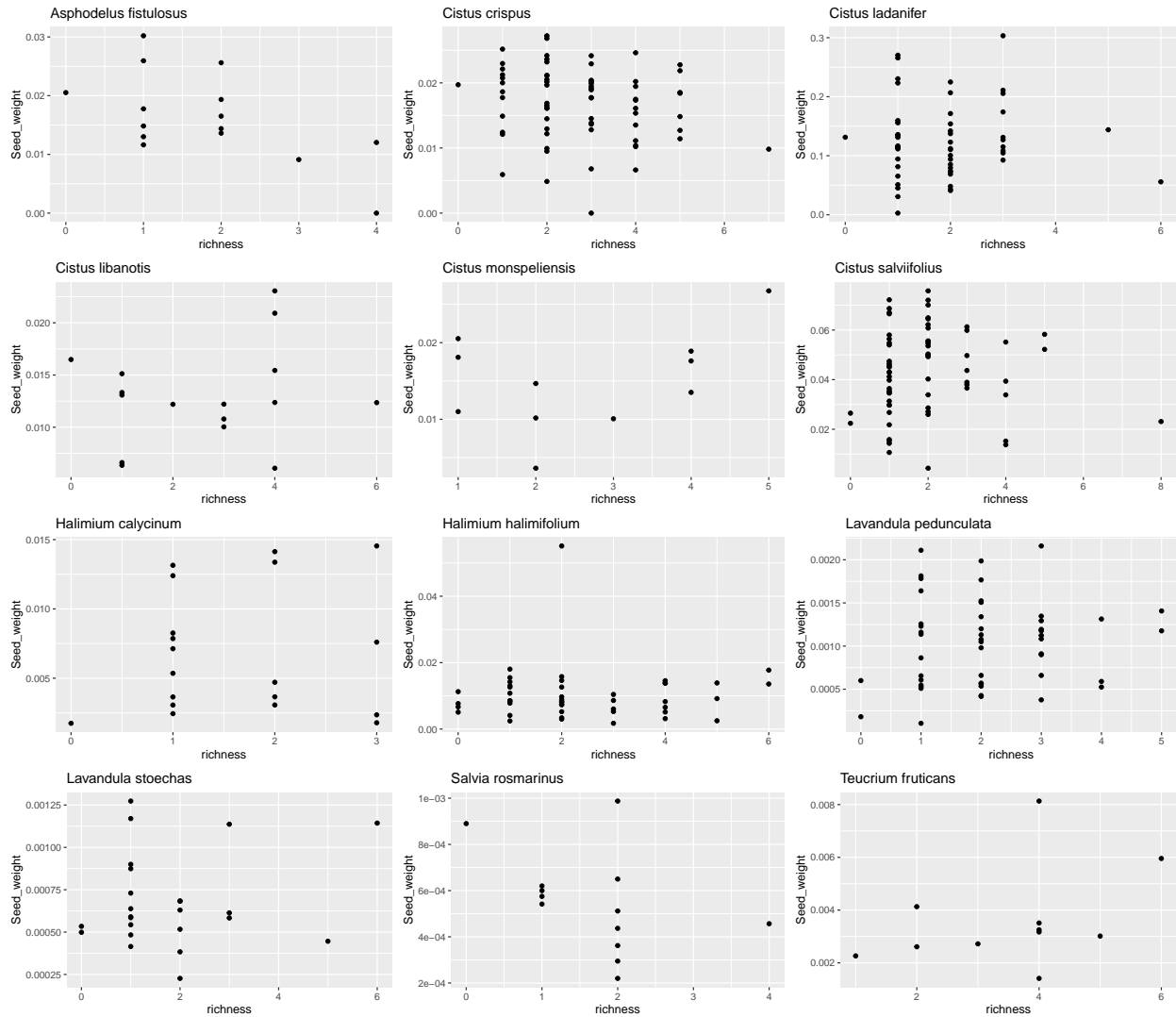
Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual
<i>Asphodelus fistulosus</i>	15	0.752	-21.924	51.847	54.680	43.847	11
<i>Cistus crispus</i>	70	8.490	-252.720	513.441	522.435	505.441	66
<i>Cistus ladanifer</i>	53	240.666	-358.344	724.688	732.569	716.688	49
<i>Cistus libanotis</i>	16	4.623	-45.752	99.504	102.594	91.504	12
<i>Cistus monspeliensis</i>	11	3.312	-28.477	64.953	66.545	56.953	7
<i>Cistus salviifolius</i>	66	15.320	-272.122	552.244	561.002	544.244	62
<i>Halimium calycinum</i>	19	0.790	-26.480	60.960	64.737	52.960	15
<i>Halimium halimifolium</i>	45	8.085	-159.689	327.377	334.604	319.377	41
<i>Lavandula pedunculata</i>	49	0.508	-47.854	103.708	111.275	95.708	45
<i>Lavandula stoechas</i>	24	0.658	-30.536	69.073	73.785	61.073	20
<i>Salvia rosmarinus</i>	13	0.439	-16.331	40.662	42.922	32.662	9
<i>Teucrium fruticans</i>	11	1.412	-21.582	51.165	52.756	43.165	7



Seed weight

seed weight mean per fruit in plant individual per plant species

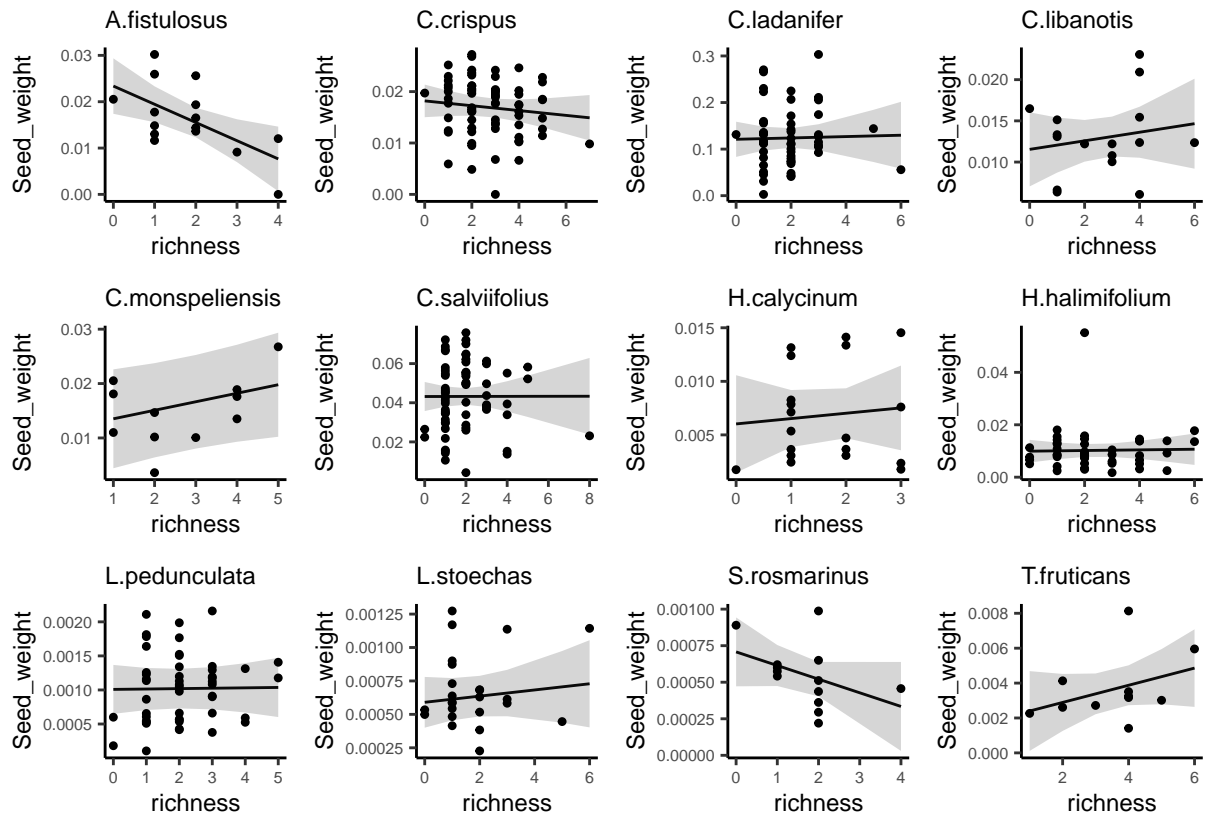
Richness



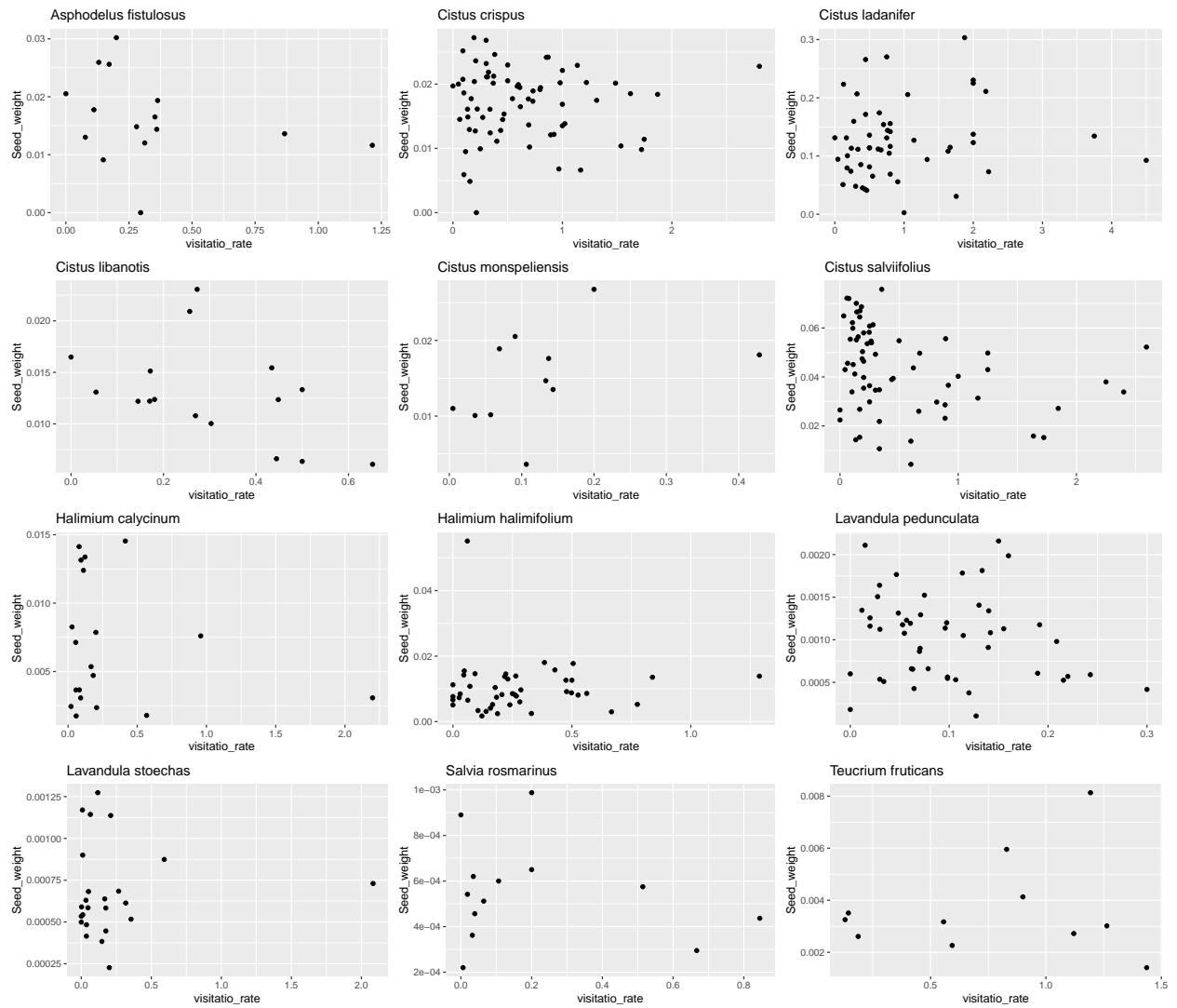
Summary of models for seed weight ~ richness per plant species (LMM). Site_ID as factor random

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	0.0234	0.0031	7.6585	13.0000	0.0000
	richness	-0.0039	0.0014	-2.7219	13.0000	0.0175
Cistus crispus	(Intercept)	0.0182	0.0016	11.2383	38.2284	0.0000
	richness	-0.0005	0.0005	-0.9692	67.9325	0.3359
Cistus ladanifer	(Intercept)	0.1210	0.0193	6.2843	23.8455	0.0000
	richness	0.0015	0.0085	0.1707	50.4419	0.8651
Cistus libanotis	(Intercept)	0.0115	0.0023	5.0303	14.0000	0.0002
	richness	0.0005	0.0007	0.6978	14.0000	0.4967
Cistus monspeliensis	(Intercept)	0.0120	0.0050	2.3829	1.6927	0.1624
	richness	0.0016	0.0009	1.7029	8.0056	0.1270
Cistus salviifolius	(Intercept)	0.0432	0.0038	11.3986	64.0000	0.0000
	richness	0.0000	0.0016	0.0111	64.0000	0.9912
Halimium calycinum	(Intercept)	0.0060	0.0023	2.5958	3.2515	0.0743
	richness	0.0005	0.0012	0.4007	7.1903	0.7003
Halimium halimifolium	(Intercept)	0.0099	0.0022	4.4960	43.0000	0.0001
	richness	0.0001	0.0008	0.1601	43.0000	0.8736
Lavandula pedunculata	(Intercept)	0.0010	0.0002	5.4959	17.2591	0.0000
	richness	0.0000	0.0001	0.1050	41.2695	0.9169
Lavandula stoechas	(Intercept)	0.0006	0.0001	6.0928	14.6417	0.0000
	richness	0.0000	0.0000	0.6698	19.1730	0.5109
Salvia rosmarinus	(Intercept)	0.0007	0.0001	5.8855	11.0000	0.0001
	richness	-0.0001	0.0001	-1.4909	11.0000	0.1641
Teucrium fruticans	(Intercept)	0.0019	0.0015	1.2443	9.0000	0.2448
	richness	0.0005	0.0004	1.2202	9.0000	0.2534

Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual
<i>Asphodelus fistulosus</i>	15	0.006	44.834	-81.669	-78.836	-89.669	11
<i>Cistus crispus</i>	70	0.005	253.898	-499.797	-490.803	-507.797	66
<i>Cistus ladanifer</i>	53	0.063	63.155	-118.310	-110.429	-126.310	49
<i>Cistus libanotis</i>	16	0.005	51.604	-95.207	-92.117	-103.207	12
<i>Cistus monspeliensis</i>	11	0.004	32.647	-57.293	-55.702	-65.293	7
<i>Cistus salviifolius</i>	66	0.017	163.775	-319.550	-310.791	-327.550	62
<i>Halimium calycinum</i>	19	0.005	64.281	-120.562	-116.784	-128.562	15
<i>Halimium halimifolium</i>	45	0.008	141.257	-274.513	-267.286	-282.513	41
<i>Lavandula pedunculata</i>	49	0.000	291.550	-575.099	-567.532	-583.099	45
<i>Lavandula stoechas</i>	24	0.000	147.716	-287.431	-282.719	-295.431	20
<i>Salvia rosmarinus</i>	13	0.000	75.321	-142.643	-140.383	-150.643	9
<i>Teucrium fruticans</i>	11	0.002	41.217	-74.435	-72.843	-82.435	7



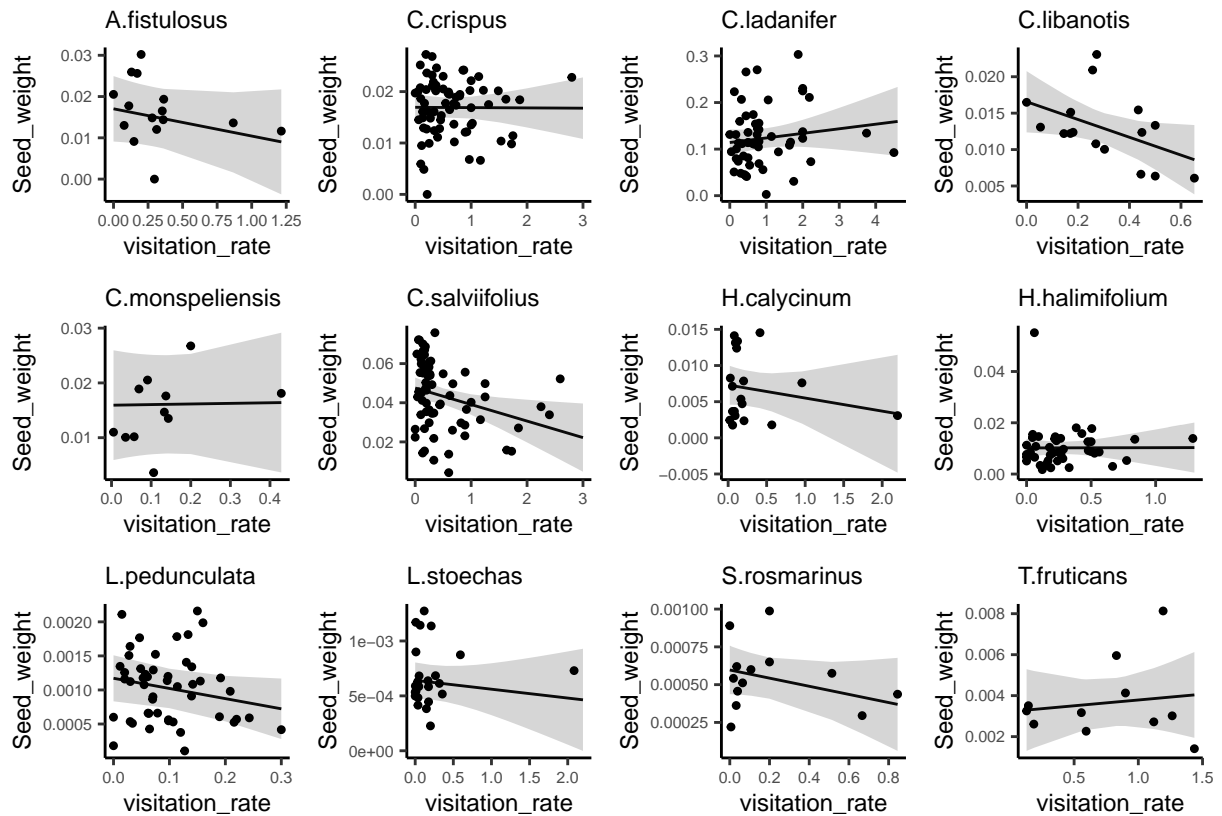
Visitation rate



Summary of models for seed weight ~ visitation rate per plant species (LMM). Site_ID as factor random

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	0.0170	0.0040	4.2113	2.0969	0.0479
	visitatio_rate	-0.0066	0.0058	-1.1347	11.3539	0.2799
Cistus crispus	(Intercept)	0.0169	0.0012	13.6038	18.9073	0.0000
	visitatio_rate	-0.0001	0.0012	-0.0457	66.2984	0.9637
Cistus ladanifer	(Intercept)	0.1141	0.0145	7.8787	9.7303	0.0000
	visitatio_rate	0.0098	0.0100	0.9846	50.9411	0.3295
Cistus libanotis	(Intercept)	0.0166	0.0021	7.7190	14.0000	0.0000
	visitatio_rate	-0.0122	0.0062	-1.9759	14.0000	0.0682
Cistus monspeliensis	(Intercept)	0.0159	0.0051	3.0959	1.3450	0.1450
	visitatio_rate	0.0011	0.0163	0.0683	8.7824	0.9471
Cistus salviifolius	(Intercept)	0.0475	0.0027	17.5042	64.0000	0.0000
	visitatio_rate	-0.0084	0.0035	-2.4319	64.0000	0.0178
Halimium calycinum	(Intercept)	0.0073	0.0014	5.2540	3.7255	0.0076
	visitatio_rate	-0.0018	0.0021	-0.8611	15.8657	0.4020
Halimium halimifolium	(Intercept)	0.0102	0.0018	5.6353	43.0000	0.0000
	visitatio_rate	0.0001	0.0047	0.0192	43.0000	0.9847
Lavandula pedunculata	(Intercept)	0.0012	0.0002	6.7919	13.9183	0.0000
	visitatio_rate	-0.0015	0.0009	-1.7179	42.5678	0.0931
Lavandula stoechas	(Intercept)	0.0006	0.0001	7.7170	7.8553	0.0001
	visitatio_rate	-0.0001	0.0001	-0.7251	17.3400	0.4780
Salvia rosmarinus	(Intercept)	0.0006	0.0001	7.3099	7.4568	0.0001
	visitatio_rate	-0.0003	0.0002	-1.2374	8.9410	0.2474
Teucrium fruticans	(Intercept)	0.0032	0.0012	2.7775	9.0000	0.0215
	visitatio_rate	0.0006	0.0013	0.4303	9.0000	0.6771

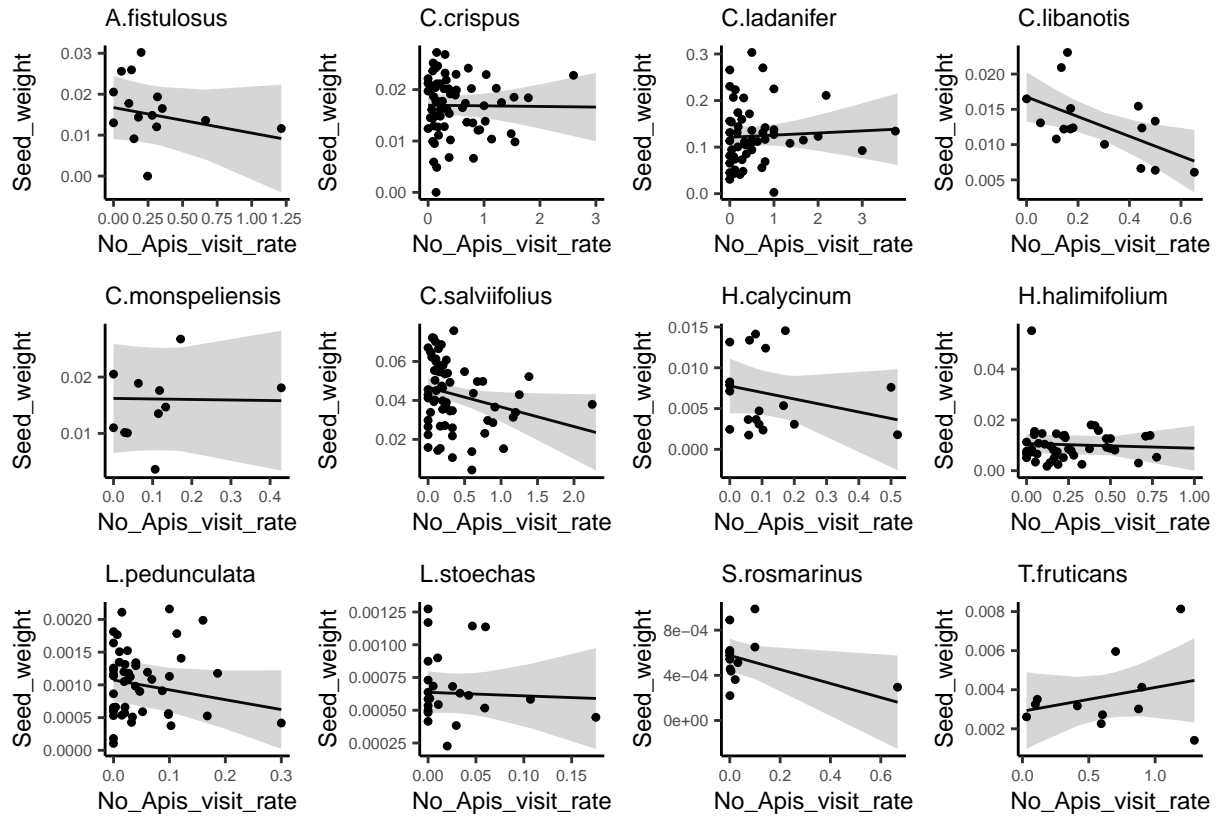
Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual
<i>Asphodelus fistulosus</i>	15	0.007	44.186	-80.372	-77.539	-88.372	11
<i>Cistus crispus</i>	70	0.005	254.384	-500.769	-491.775	-508.769	66
<i>Cistus ladanifer</i>	53	0.063	63.788	-119.576	-111.695	-127.576	49
<i>Cistus libanotis</i>	16	0.004	55.308	-102.616	-99.526	-110.616	12
<i>Cistus monspeliensis</i>	11	0.005	34.128	-60.256	-58.664	-68.256	7
<i>Cistus salviifolius</i>	66	0.017	167.417	-326.834	-318.075	-334.834	62
<i>Halimium calycinum</i>	19	0.004	65.056	-122.111	-118.334	-130.111	15
<i>Halimium halimifolium</i>	45	0.008	143.057	-278.114	-270.887	-286.114	41
<i>Lavandula pedunculata</i>	49	0.000	295.773	-583.547	-575.979	-591.547	45
<i>Lavandula stoechas</i>	24	0.000	148.916	-289.832	-285.119	-297.832	20
<i>Salvia rosmarinus</i>	13	0.000	75.863	-143.726	-141.467	-151.726	9
<i>Teucrium fruticans</i>	11	0.002	41.735	-75.470	-73.879	-83.470	7



Visitation rate of pollinator without *Apis mellifera*

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	0.0167	0.0039	4.2419	1.9087	0.0557
	No_Apis_visit_rate	-0.0062	0.0059	-1.0527	10.9067	0.3152
Cistus crispus	(Intercept)	0.0170	0.0012	14.7350	14.4388	0.0000
	No_Apis_visit_rate	-0.0001	0.0013	-0.0936	65.9448	0.9257
Cistus ladanifer	(Intercept)	0.1211	0.0127	9.5744	8.0234	0.0000
	No_Apis_visit_rate	0.0046	0.0118	0.3894	47.0012	0.6987
Cistus libanotis	(Intercept)	0.0167	0.0018	9.3442	14.0000	0.0000
	No_Apis_visit_rate	-0.0139	0.0054	-2.5915	14.0000	0.0213
Cistus monspeliensis	(Intercept)	0.0162	0.0049	3.2751	1.2019	0.1542
	No_Apis_visit_rate	-0.0009	0.0141	-0.0660	8.4274	0.9489
Cistus salviifolius	(Intercept)	0.0467	0.0027	17.2439	64.0000	0.0000
	No_Apis_visit_rate	-0.0101	0.0050	-2.0106	64.0000	0.0486
Halimium calycinum	(Intercept)	0.0078	0.0017	4.5521	3.8888	0.0111
	No_Apis_visit_rate	-0.0080	0.0075	-1.0618	15.5537	0.3046
Halimium halimifolium	(Intercept)	0.0107	0.0019	5.6445	43.0000	0.0000
	No_Apis_visit_rate	-0.0018	0.0058	-0.3182	43.0000	0.7519
Lavandula pedunculata	(Intercept)	0.0011	0.0002	6.5355	8.9364	0.0001
	No_Apis_visit_rate	-0.0015	0.0010	-1.5010	40.6307	0.1411
Lavandula stoechas	(Intercept)	0.0006	0.0001	7.6913	9.0880	0.0000
	No_Apis_visit_rate	-0.0003	0.0012	-0.2224	19.7351	0.8263
Salvia rosmarinus	(Intercept)	0.0006	0.0001	7.6295	5.9490	0.0003
	No_Apis_visit_rate	-0.0006	0.0003	-1.9159	8.7252	0.0887
Teucrium fruticans	(Intercept)	0.0029	0.0010	2.7902	9.0000	0.0210
	No_Apis_visit_rate	0.0012	0.0014	0.8713	9.0000	0.4062

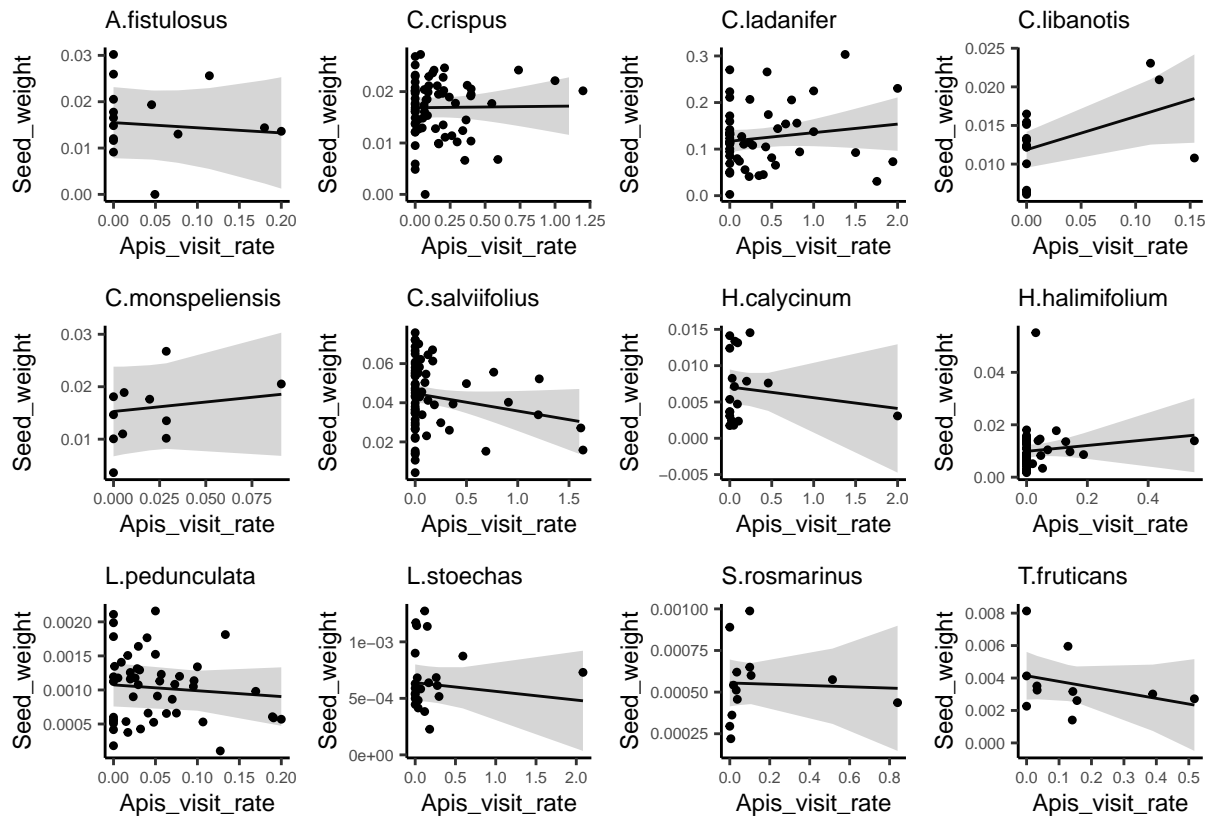
Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual
<i>Asphodelus fistulosus</i>	15	0.007	44.113	-80.225	-77.393	-88.225	11
<i>Cistus crispus</i>	70	0.005	254.439	-500.879	-491.885	-508.879	66
<i>Cistus ladanifer</i>	53	0.063	63.540	-119.080	-111.199	-127.080	49
<i>Cistus libanotis</i>	16	0.004	56.264	-104.528	-101.438	-112.528	12
<i>Cistus monspeliensis</i>	11	0.005	33.987	-59.975	-58.383	-67.975	7
<i>Cistus salviifolius</i>	66	0.017	166.900	-325.800	-317.042	-333.800	62
<i>Halimium calycinum</i>	19	0.004	66.415	-124.831	-121.053	-132.831	15
<i>Halimium halimifolium</i>	45	0.008	143.307	-278.615	-271.388	-286.615	41
<i>Lavandula pedunculata</i>	49	0.000	295.512	-583.025	-575.458	-591.025	45
<i>Lavandula stoechas</i>	24	0.000	151.059	-294.119	-289.407	-302.119	20
<i>Salvia rosmarinus</i>	13	0.000	76.731	-145.461	-143.202	-153.461	9
<i>Teucrium fruticans</i>	11	0.002	42.099	-76.198	-74.607	-84.198	7



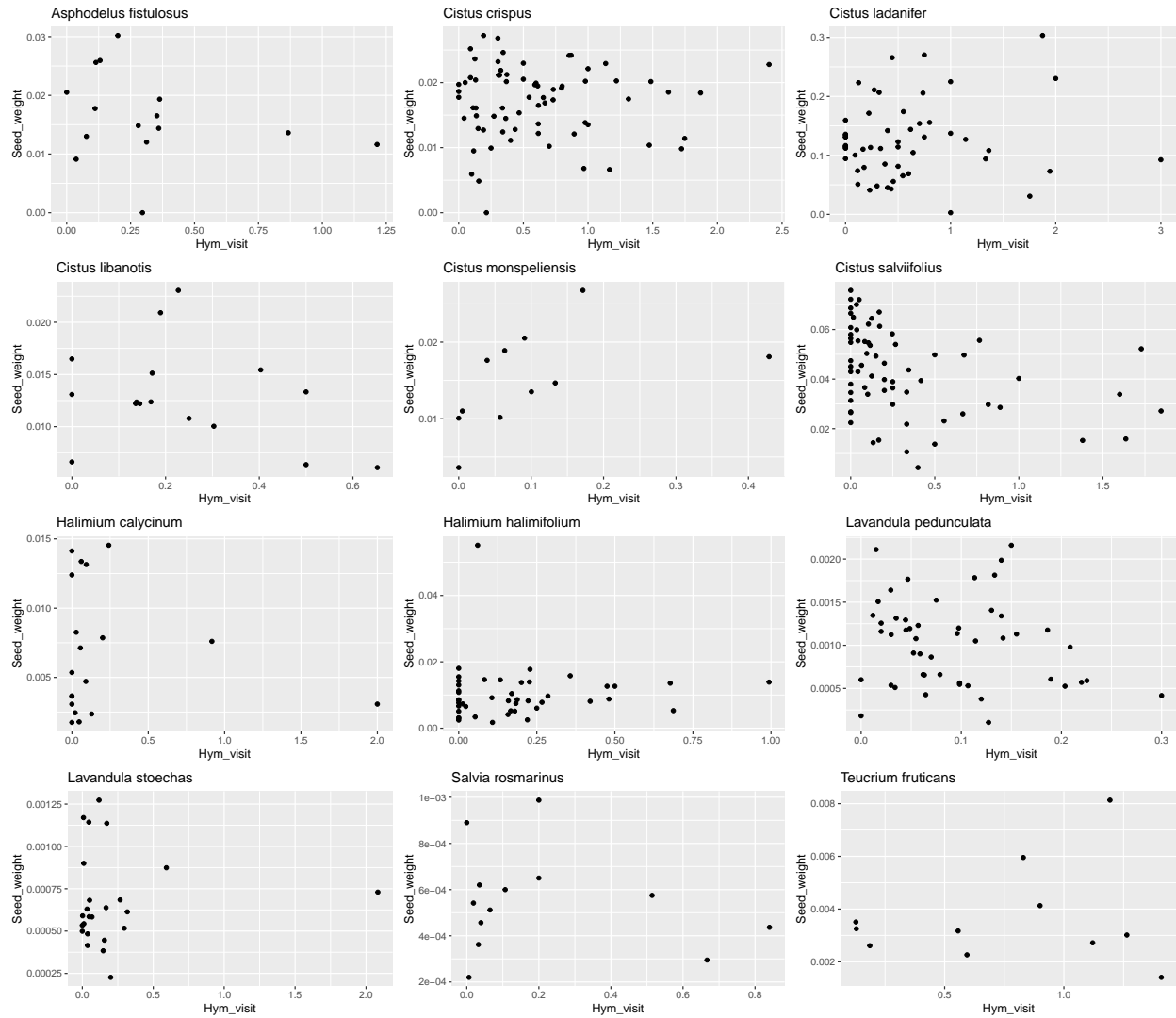
Visitation rate of *Apis mellifera*

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	0.0155	0.0039	3.9557	1.6080	0.0823
	Apis_visit_rate	-0.0111	0.0290	-0.3819	11.9481	0.7092
Cistus crispus	(Intercept)	0.0169	0.0011	15.5872	11.4517	0.0000
	Apis_visit_rate	0.0003	0.0029	0.1010	66.8113	0.9199
Cistus ladanifer	(Intercept)	0.1169	0.0123	9.5262	6.5632	0.0000
	Apis_visit_rate	0.0184	0.0169	1.0908	50.4742	0.2805
Cistus libanotis	(Intercept)	0.0119	0.0012	9.9899	14.0000	0.0000
	Apis_visit_rate	0.0430	0.0209	2.0550	14.0000	0.0590
Cistus monspeliensis	(Intercept)	0.0153	0.0044	3.5040	1.1174	0.1559
	Apis_visit_rate	0.0361	0.0626	0.5762	8.5281	0.5794
Cistus salviifolius	(Intercept)	0.0447	0.0023	19.3418	64.0000	0.0000
	Apis_visit_rate	-0.0089	0.0057	-1.5579	64.0000	0.1242
Halimium calycinum	(Intercept)	0.0071	0.0012	5.7372	2.7140	0.0138
	Apis_visit_rate	-0.0015	0.0024	-0.6188	15.9016	0.5448
Halimium halimifolium	(Intercept)	0.0099	0.0013	7.6717	43.0000	0.0000
	Apis_visit_rate	0.0111	0.0136	0.8161	43.0000	0.4189
Lavandula pedunculata	(Intercept)	0.0011	0.0002	6.6423	10.5170	0.0000
	Apis_visit_rate	-0.0009	0.0012	-0.7077	46.5437	0.4827
Lavandula stoechas	(Intercept)	0.0006	0.0001	7.7512	7.5865	0.0001
	Apis_visit_rate	-0.0001	0.0001	-0.6981	17.3350	0.4944
Salvia rosmarinus	(Intercept)	0.0006	0.0001	7.7167	11.0000	0.0000
	Apis_visit_rate	0.0000	0.0003	-0.1483	11.0000	0.8848
Teucrium fruticans	(Intercept)	0.0041	0.0008	5.5162	9.0000	0.0004
	Apis_visit_rate	-0.0035	0.0035	-0.9920	9.0000	0.3471

Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual
<i>Asphodelus fistulosus</i>	15	0.007	45.209	-82.419	-79.587	-90.419	11
<i>Cistus crispus</i>	70	0.005	255.238	-502.476	-493.482	-510.476	66
<i>Cistus ladanifer</i>	53	0.063	64.423	-120.846	-112.965	-128.846	49
<i>Cistus libanotis</i>	16	0.004	56.662	-105.323	-102.233	-113.323	12
<i>Cistus monspeliensis</i>	11	0.005	35.637	-63.275	-61.683	-71.275	7
<i>Cistus salviifolius</i>	66	0.017	166.251	-324.502	-315.743	-332.502	62
<i>Halimium calycinum</i>	19	0.005	65.041	-122.081	-118.303	-130.081	15
<i>Halimium halimifolium</i>	45	0.008	144.451	-280.902	-273.676	-288.902	41
<i>Lavandula pedunculata</i>	49	0.000	294.881	-581.762	-574.195	-589.762	45
<i>Lavandula stoechas</i>	24	0.000	148.889	-289.778	-285.066	-297.778	20
<i>Salvia rosmarinus</i>	13	0.000	75.648	-143.297	-141.037	-151.297	9
<i>Teucrium fruticans</i>	11	0.002	43.136	-78.272	-76.680	-86.272	7



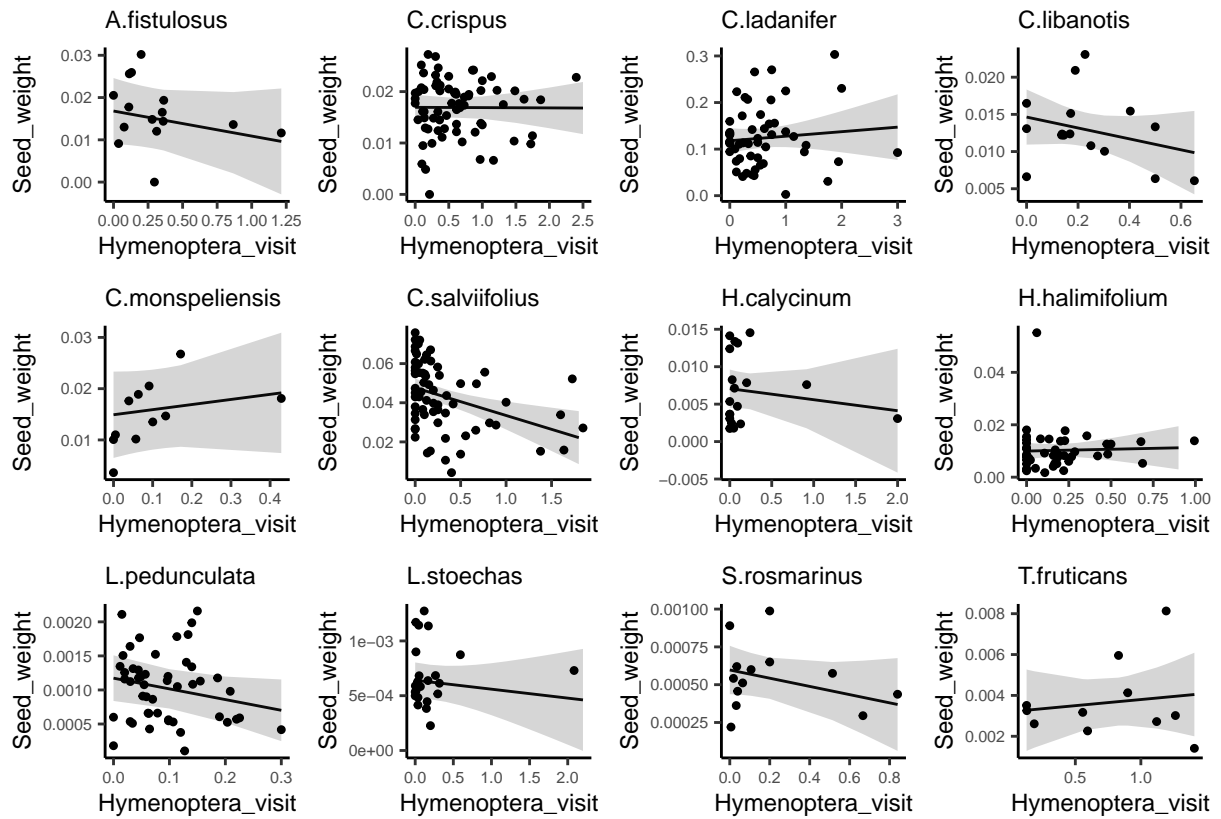
Hymenoptera visitation rate



Summary of models for seed weight ~ hymenoptera visitation per plant species (LMM). Site_ID as factor random

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	0.0168	0.0040	4.2194	1.9881	0.0524
	Hym_visit	-0.0059	0.0057	-1.0458	11.1685	0.3178
Cistus crispus	(Intercept)	0.0169	0.0012	13.6719	18.6824	0.0000
	Hym_visit	-0.0001	0.0013	-0.0448	66.0001	0.9644
Cistus ladanifer	(Intercept)	0.1179	0.0137	8.6216	7.7910	0.0000
	Hym_visit	0.0097	0.0144	0.6773	50.1375	0.5014
Cistus libanotis	(Intercept)	0.0146	0.0019	7.7400	14.0000	0.0000
	Hym_visit	-0.0073	0.0063	-1.1663	14.0000	0.2630
Cistus monspeliensis	(Intercept)	0.0149	0.0043	3.4697	1.1705	0.1491
	Hym_visit	0.0099	0.0143	0.6976	8.7546	0.5035
Cistus salviifolius	(Intercept)	0.0476	0.0024	19.5886	64.0000	0.0000
	Hym_visit	-0.0141	0.0044	-3.1807	64.0000	0.0023
Halimium calycinum	(Intercept)	0.0071	0.0013	5.4234	2.8227	0.0144
	Hym_visit	-0.0015	0.0022	-0.6547	15.2413	0.5224
Halimium halimifolium	(Intercept)	0.0100	0.0016	6.2265	43.0000	0.0000
	Hym_visit	0.0014	0.0056	0.2451	43.0000	0.8075
Lavandula pedunculata	(Intercept)	0.0012	0.0002	6.8644	13.5977	0.0000
	Hym_visit	-0.0016	0.0009	-1.7840	42.8715	0.0815
Lavandula stoechas	(Intercept)	0.0006	0.0001	7.7319	7.7747	0.0001
	Hym_visit	-0.0001	0.0001	-0.7347	17.3100	0.4724
Salvia rosmarinus	(Intercept)	0.0006	0.0001	7.3056	7.4532	0.0001
	Hym_visit	-0.0003	0.0002	-1.2455	8.9074	0.2447
Teucrium fruticans	(Intercept)	0.0032	0.0012	2.7633	9.0000	0.0220
	Hym_visit	0.0006	0.0013	0.4550	9.0000	0.6599

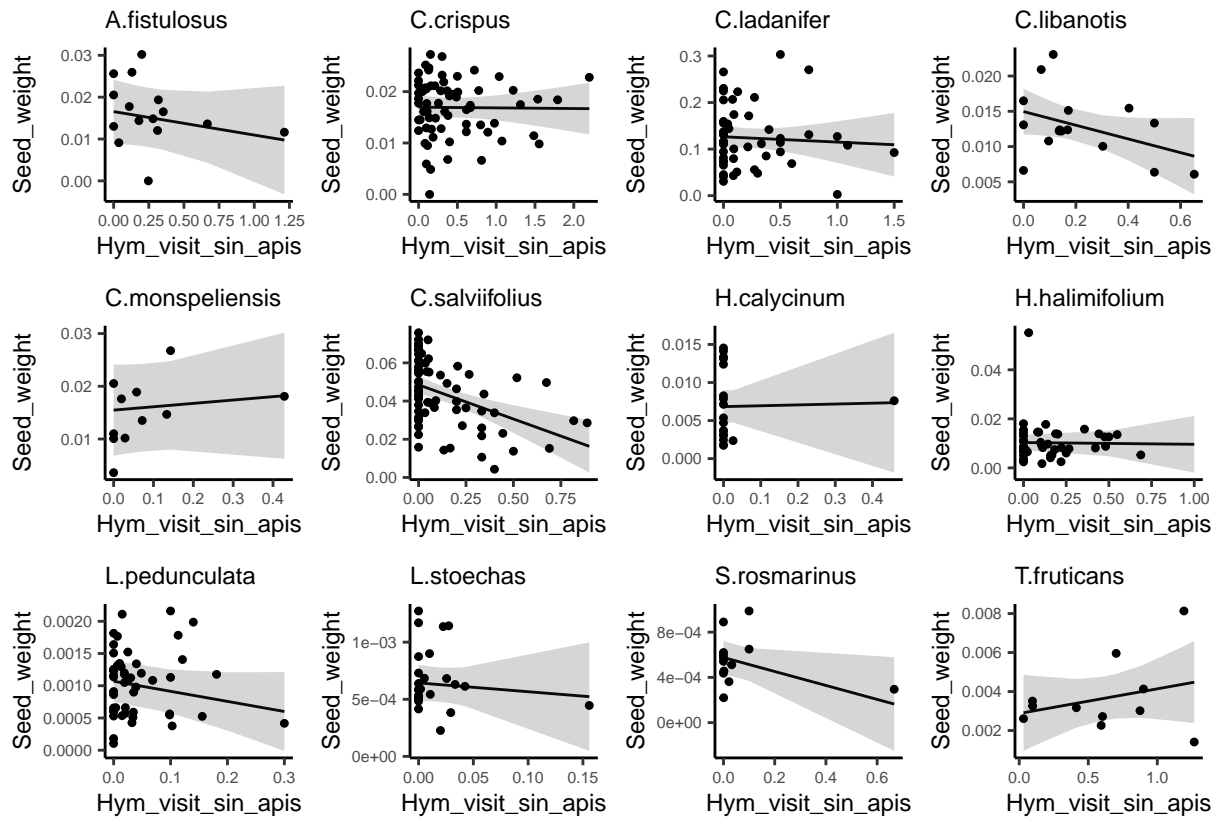
Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual
<i>Asphodelus fistulosus</i>	15	0.007	44.062	-80.125	-77.293	-88.125	11
<i>Cistus crispus</i>	70	0.005	254.416	-500.832	-491.838	-508.832	66
<i>Cistus ladanifer</i>	53	0.063	63.897	-119.793	-111.912	-127.793	49
<i>Cistus libanotis</i>	16	0.005	54.177	-100.354	-97.264	-108.354	12
<i>Cistus monspeliensis</i>	11	0.005	34.228	-60.456	-58.865	-68.456	7
<i>Cistus salviifolius</i>	66	0.016	169.561	-331.121	-322.363	-339.121	62
<i>Halimium calycinum</i>	19	0.004	64.977	-121.954	-118.177	-129.954	15
<i>Halimium halimifolium</i>	45	0.008	143.258	-278.516	-271.289	-286.516	41
<i>Lavandula pedunculata</i>	49	0.000	295.899	-583.798	-576.231	-591.798	45
<i>Lavandula stoechas</i>	24	0.000	148.920	-289.839	-285.127	-297.839	20
<i>Salvia rosmarinus</i>	13	0.000	75.868	-143.737	-141.477	-151.737	9
<i>Teucrium fruticans</i>	11	0.002	41.750	-75.500	-73.908	-83.500	7



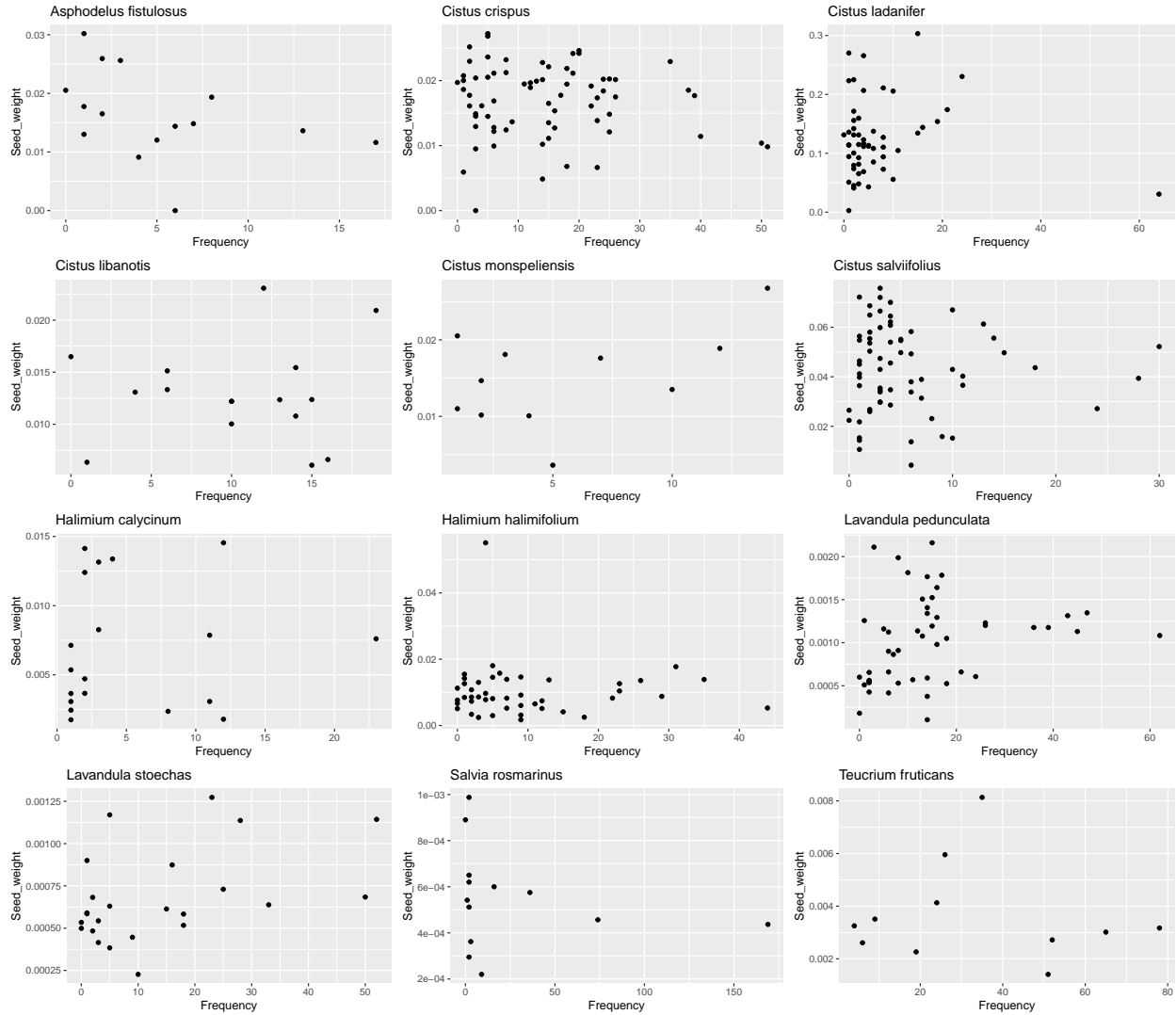
Hymenoptera visitation rate without *A.mellifera*

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	0.0165	0.0039	4.2451	1.8182	0.0604
	Hym_visit_sin_apis	-0.0056	0.0058	-0.9712	10.7606	0.3528
Cistus crispus	(Intercept)	0.0170	0.0011	14.7940	14.2226	0.0000
	Hym_visit_sin_apis	-0.0001	0.0013	-0.0958	65.8739	0.9240
Cistus ladanifer	(Intercept)	0.1264	0.0122	10.3919	6.6884	0.0000
	Hym_visit_sin_apis	-0.0114	0.0262	-0.4343	50.7980	0.6659
Cistus libanotis	(Intercept)	0.0150	0.0017	9.0596	14.0000	0.0000
	Hym_visit_sin_apis	-0.0097	0.0057	-1.6898	14.0000	0.1132
Cistus monspeliensis	(Intercept)	0.0155	0.0044	3.5120	1.0915	0.1598
	Hym_visit_sin_apis	0.0064	0.0131	0.4875	8.4047	0.6384
Cistus salviifolius	(Intercept)	0.0485	0.0023	20.7686	64.0000	0.0000
	Hym_visit_sin_apis	-0.0357	0.0090	-3.9775	64.0000	0.0002
Halimium calycinum	(Intercept)	0.0068	0.0011	6.1460	17.0000	0.0000
	Hym_visit_sin_apis	0.0011	0.0106	0.1078	17.0000	0.9154
Halimium halimifolium	(Intercept)	0.0103	0.0016	6.4370	43.0000	0.0000
	Hym_visit_sin_apis	-0.0007	0.0068	-0.1050	43.0000	0.9168
Lavandula pedunculata	(Intercept)	0.0011	0.0002	6.5532	8.7854	0.0001
	Hym_visit_sin_apis	-0.0016	0.0010	-1.5520	40.4032	0.1285
Lavandula stoechas	(Intercept)	0.0006	0.0001	7.8527	8.3096	0.0000
	Hym_visit_sin_apis	-0.0008	0.0017	-0.4660	21.7775	0.6459
Salvia rosmarinus	(Intercept)	0.0006	0.0001	7.6304	5.9339	0.0003
	Hym_visit_sin_apis	-0.0006	0.0003	-1.9015	8.7649	0.0906
Teucrium fruticans	(Intercept)	0.0029	0.0010	2.7754	9.0000	0.0216
	Hym_visit_sin_apis	0.0013	0.0014	0.9043	9.0000	0.3894

Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual
<i>Asphodelus fistulosus</i>	15	0.007	44.004	-80.008	-77.175	-88.008	11
<i>Cistus crispus</i>	70	0.005	254.486	-500.973	-491.979	-508.973	66
<i>Cistus ladanifer</i>	53	0.063	64.359	-120.718	-112.836	-128.718	49
<i>Cistus libanotis</i>	16	0.004	54.783	-101.566	-98.475	-109.566	12
<i>Cistus monspeliensis</i>	11	0.005	34.024	-60.049	-58.457	-68.049	7
<i>Cistus salviifolius</i>	66	0.016	172.674	-337.348	-328.589	-345.348	62
<i>Halimium calycinum</i>	19	0.005	66.340	-124.681	-120.903	-132.681	15
<i>Halimium halimifolium</i>	45	0.008	143.425	-278.850	-271.623	-286.850	41
<i>Lavandula pedunculata</i>	49	0.000	295.595	-583.189	-575.622	-591.189	45
<i>Lavandula stoechas</i>	24	0.000	151.468	-294.937	-290.224	-302.937	20
<i>Salvia rosmarinus</i>	13	0.000	76.719	-145.439	-143.179	-153.439	9
<i>Teucrium fruticans</i>	11	0.002	42.132	-76.264	-74.672	-84.264	7



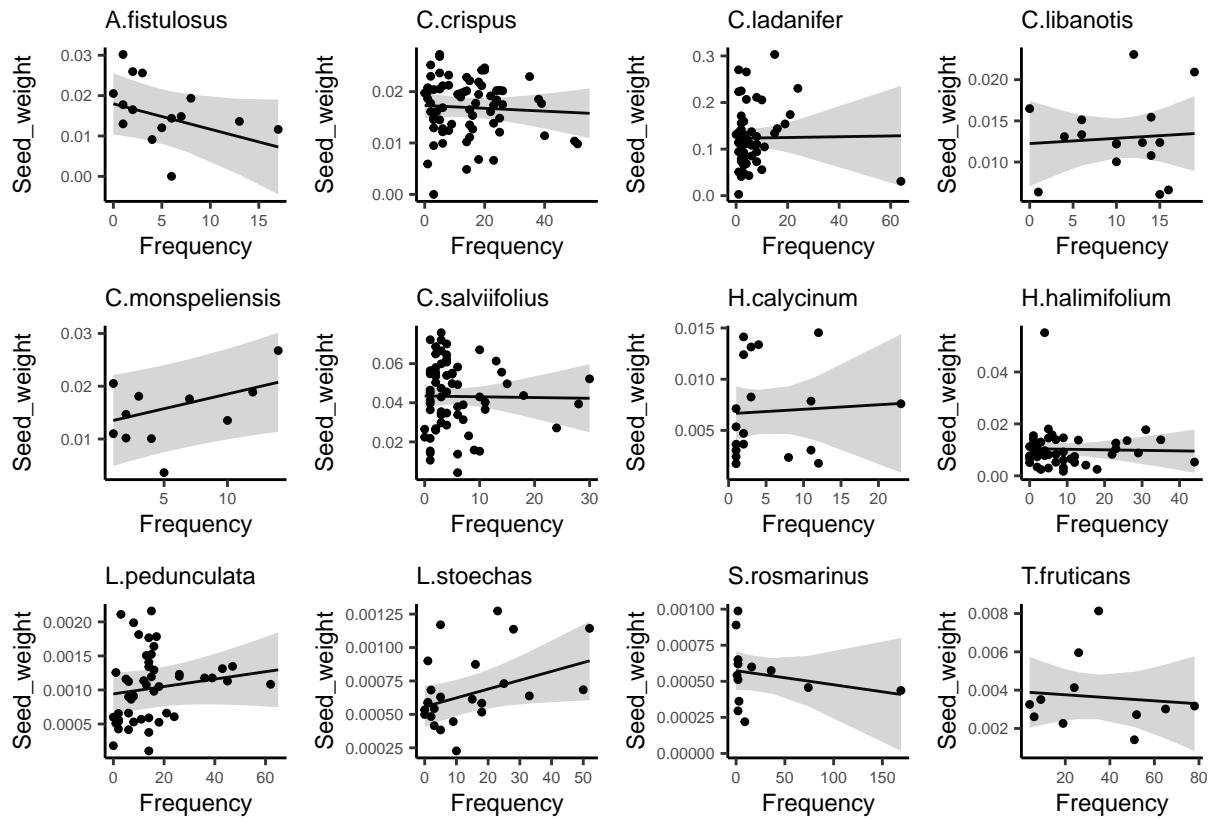
Frequency



Summary of models for seed weight \sim pollinator frequency per plant species (LMM). Site_ID as factor random

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	0.0180	0.0039	4.6170	2.2504	0.0349
	Frequency	-0.0006	0.0004	-1.6039	12.3931	0.1339
Cistus crispus	(Intercept)	0.0173	0.0013	13.7931	19.5249	0.0000
	Frequency	0.0000	0.0001	-0.4955	67.4134	0.6219
Cistus ladanifer	(Intercept)	0.1232	0.0125	9.8735	6.4470	0.0000
	Frequency	0.0001	0.0009	0.0896	49.3434	0.9290
Cistus libanotis	(Intercept)	0.0122	0.0026	4.6286	14.0000	0.0004
	Frequency	0.0001	0.0002	0.2815	14.0000	0.7825
Cistus monspeliensis	(Intercept)	0.0130	0.0045	2.8828	1.2823	0.1662
	Frequency	0.0006	0.0003	2.0262	8.0208	0.0772
Cistus salviifolius	(Intercept)	0.0434	0.0029	14.9048	64.0000	0.0000
	Frequency	0.0000	0.0004	-0.1099	64.0000	0.9128
Halimium calycinum	(Intercept)	0.0066	0.0015	4.5403	17.0000	0.0003
	Frequency	0.0000	0.0002	0.2374	17.0000	0.8152
Halimium halimifolium	(Intercept)	0.0104	0.0017	6.1986	43.0000	0.0000
	Frequency	0.0000	0.0001	-0.1742	43.0000	0.8625
Lavandula pedunculata	(Intercept)	0.0009	0.0002	5.8625	11.4225	0.0001
	Frequency	0.0000	0.0000	1.1497	42.7491	0.2566
Lavandula stoechas	(Intercept)	0.0006	0.0001	7.0941	11.2803	0.0000
	Frequency	0.0000	0.0000	1.9859	21.6394	0.0599
Salvia rosmarinus	(Intercept)	0.0006	0.0001	8.3239	11.0000	0.0000
	Frequency	0.0000	0.0000	-0.7404	11.0000	0.4746
Teucrium fruticans	(Intercept)	0.0039	0.0010	3.8093	9.0000	0.0042
	Frequency	0.0000	0.0000	-0.3160	9.0000	0.7592

Plant_gen_sp	nobs	sigma	logLik	AIC	BIC	REMLcrit	df.residual
<i>Asphodelus fistulosus</i>	15	0.006	42.091	-76.182	-73.349	-84.182	11
<i>Cistus crispus</i>	70	0.005	251.422	-494.844	-485.850	-502.844	66
<i>Cistus ladanifer</i>	53	0.063	60.940	-113.879	-105.998	-121.879	49
<i>Cistus libanotis</i>	16	0.005	50.205	-92.409	-89.319	-100.409	12
<i>Cistus monspeliensis</i>	11	0.004	31.920	-55.840	-54.248	-63.840	7
<i>Cistus salviifolius</i>	66	0.017	162.262	-316.523	-307.765	-324.523	62
<i>Halimium calycinum</i>	19	0.005	62.322	-116.643	-112.865	-124.643	15
<i>Halimium halimifolium</i>	45	0.008	139.382	-270.763	-263.537	-278.763	41
<i>Lavandula pedunculata</i>	49	0.000	289.764	-571.528	-563.961	-579.528	45
<i>Lavandula stoechas</i>	24	0.000	147.010	-286.020	-281.307	-294.020	20
<i>Salvia rosmarinus</i>	13	0.000	70.647	-133.293	-131.033	-141.293	9
<i>Teucrium fruticans</i>	11	0.002	37.727	-67.454	-65.863	-75.454	7



join together Lavandula species

(L.pedunculata (49 obs) and L.stoechas (24 obs))

Fruit proportion - richness

Plant_gen_sp	term	estimate	std.error	statistic	p.value
Asphodelus fistulosus	(Intercept)	0.8987	1.0326	0.8703	0.3841
	richness	0.0585	0.1735	0.3370	0.7361
Cistus crispus	(Intercept)	1.2189	0.3092	3.9417	0.0001
	richness	0.0311	0.0817	0.3811	0.7031
Cistus ladanifer	(Intercept)	2.0249	0.5653	3.5818	0.0003
	richness	0.3065	0.2197	1.3949	0.1630
Cistus libanotis	(Intercept)	6.5370	2.6118	2.5028	0.0123
	richness	-0.6351	0.6072	-1.0460	0.2956
Cistus monspeliensis	(Intercept)	1.4923	1.0640	1.4026	0.1607
	richness	0.0987	0.1861	0.5304	0.5958
Cistus salviifolius	(Intercept)	2.5085	0.3061	8.1955	0.0000
	richness	0.0699	0.1108	0.6305	0.5283
Halimium calycinum	(Intercept)	1.2788	1.6658	0.7677	0.4427
	richness	0.8952	0.7410	1.2081	0.2270
Halimium halimifolium	(Intercept)	1.6070	0.2690	5.9747	0.0000
	richness	-0.0762	0.0969	-0.7866	0.4315
Lavandula	(Intercept)	1.5029	0.1114	13.4950	0.0000
	richness	0.0267	0.0216	1.2359	0.2165
Salvia rosmarinus	(Intercept)	0.0068	1.1151	0.0061	0.9951
	richness	0.4031	0.2548	1.5819	0.1137
Teucrium fruticans	(Intercept)	0.9465	0.9255	1.0227	0.3064
	richness	0.3603	0.1599	2.2534	0.0242

Fruit proportion - visitation rate

Plant_gen_sp	term	estimate	std.error	statistic	p.value
Asphodelus fistulosus	(Intercept)	-0.0348	1.1002	-0.0317	0.9747
	visitatio_rate	4.7806	1.1399	4.1940	0.0000
Cistus crispus	(Intercept)	1.1926	0.2605	4.5788	0.0000
	visitatio_rate	0.1791	0.2340	0.7653	0.4441
Cistus ladanifer	(Intercept)	2.5450	0.5215	4.8801	0.0000
	visitatio_rate	0.1442	0.3817	0.3777	0.7057
Cistus libanotis	(Intercept)	3.9772	1.5064	2.6403	0.0083
	visitatio_rate	2.7825	6.1785	0.4504	0.6525
Cistus monspeliensis	(Intercept)	0.7588	1.3407	0.5659	0.5714
	visitatio_rate	7.8653	3.9235	2.0046	0.0450
Cistus salviifolius	(Intercept)	2.8007	0.2580	10.8567	0.0000
	visitatio_rate	-0.2817	0.3341	-0.8429	0.3993
Halimium calycinum	(Intercept)	2.1395	1.2107	1.7672	0.0772
	visitatio_rate	1.5875	2.8199	0.5630	0.5735
Halimium halimifolium	(Intercept)	1.4678	0.2279	6.4416	0.0000
	visitatio_rate	-0.0912	0.5876	-0.1552	0.8767
Lavandula	(Intercept)	1.4893	0.1030	14.4641	0.0000
	visitatio_rate	0.4504	0.1934	2.3289	0.0199
Salvia rosmarinus	(Intercept)	1.0365	0.9757	1.0624	0.2881
	visitatio_rate	-1.6345	0.6088	-2.6848	0.0073
Teucrium fruticans	(Intercept)	2.0589	0.9937	2.0720	0.0383
	visitatio_rate	0.3900	0.6451	0.6044	0.5455

Fruit proportion - hymenoptera visitation

Plant_gen_sp	term	estimate	std.error	statistic	p.value
Asphodelus fistulosus	(Intercept)	-0.1374	1.1654	-0.1179	0.9061
	Hym_visit	5.6654	1.2033	4.7084	0.0000
Cistus crispus	(Intercept)	1.2015	0.2580	4.6575	0.0000
	Hym_visit	0.1714	0.2360	0.7260	0.4678
Cistus ladanifer	(Intercept)	2.7882	0.4742	5.8794	0.0000
	Hym_visit	-0.1993	0.4064	-0.4905	0.6238
Cistus libanotis	(Intercept)	4.3748	1.3782	3.1744	0.0015
	Hym_visit	1.1671	5.5773	0.2093	0.8342
Cistus monspeliensis	(Intercept)	1.1742	1.2190	0.9633	0.3354
	Hym_visit	6.5826	3.2748	2.0101	0.0444
Cistus salviifolius	(Intercept)	2.4214	0.2448	9.8918	0.0000
	Hym_visit	1.2158	0.9043	1.3445	0.1788
Halimium calycinum	(Intercept)	1.5227	0.8950	1.7014	0.0889
	Hym_visit	17.3352	14.5588	1.1907	0.2338
Halimium halimifolium	(Intercept)	1.4895	0.2015	7.3924	0.0000
	Hym_visit	-0.2761	0.6942	-0.3977	0.6908
Lavandula	(Intercept)	1.5025	0.1029	14.6012	0.0000
	Hym_visit	0.3621	0.1874	1.9324	0.0533
Salvia rosmarinus	(Intercept)	1.0362	0.9759	1.0618	0.2883
	Hym_visit	-1.6345	0.6089	-2.6843	0.0073
Teucrium fruticans	(Intercept)	2.0607	0.9933	2.0745	0.0380
	Hym_visit	0.3871	0.6491	0.5964	0.5509

Fruit proportion - frequency

Plant_gen_sp	term	estimate	std.error	statistic	p.value
Asphodelus fistulosus	(Intercept)	0.6378	1.0080	0.6328	0.5269
	Frequency	0.1076	0.0551	1.9541	0.0507
Cistus crispus	(Intercept)	1.2845	0.2612	4.9179	0.0000
	Frequency	0.0012	0.0099	0.1168	0.9071
Cistus ladanifer	(Intercept)	3.1005	0.4733	6.5515	0.0000
	Frequency	-0.0397	0.0167	-2.3724	0.0177
Cistus libanotis	(Intercept)	8.5047	4.8190	1.7648	0.0776
	Frequency	-0.3183	0.3156	-1.0086	0.3132
Cistus monspeliensis	(Intercept)	1.2876	1.0234	1.2581	0.2084
	Frequency	0.0823	0.0697	1.1818	0.2373
Cistus salviifolius	(Intercept)	2.3181	0.2832	8.1853	0.0000
	Frequency	0.0847	0.0582	1.4554	0.1456
Halimium calycinum	(Intercept)	1.9767	1.3805	1.4319	0.1522
	Frequency	0.1591	0.2309	0.6891	0.4907
Halimium halimifolium	(Intercept)	1.5412	0.2110	7.3054	0.0000
	Frequency	-0.0110	0.0145	-0.7592	0.4477
Lavandula	(Intercept)	1.4168	0.1056	13.4201	0.0000
	Frequency	0.0098	0.0020	4.8474	0.0000
Salvia rosmarinus	(Intercept)	0.7658	0.9940	0.7704	0.4410
	Frequency	-0.0012	0.0086	-0.1441	0.8854
Teucrium fruticans	(Intercept)	2.5324	0.7048	3.5929	0.0003
	Frequency	-0.0124	0.0108	-1.1504	0.2500

Seed number - richness

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	3.1304	1.1326	2.7639	2.6368	0.0808
	richness	0.3696	0.3804	0.9716	9.2265	0.3560
Cistus crispus	(Intercept)	36.9479	2.6769	13.8023	37.7263	0.0000
	richness	-1.3247	0.7993	-1.6574	67.9047	0.1020
Cistus ladanifer	(Intercept)	436.1185	67.7538	6.4368	51.0000	0.0000
	richness	8.1617	31.3217	0.2606	51.0000	0.7955
Cistus libanotis	(Intercept)	16.7712	2.2834	7.3450	14.0000	0.0000
	richness	-0.7156	0.7408	-0.9660	14.0000	0.3504
Cistus monspeliensis	(Intercept)	10.7600	3.5884	2.9986	1.7997	0.1083
	richness	1.3748	0.6913	1.9886	8.0064	0.0819
Cistus salviifolius	(Intercept)	38.1001	3.4395	11.0772	32.9219	0.0000
	richness	-0.1686	1.4258	-0.1183	63.9064	0.9062
Halimium calycinum	(Intercept)	2.9349	0.5323	5.5132	8.7255	0.0004
	richness	-0.1890	0.2583	-0.7317	15.5290	0.4752
Halimium halimifolium	(Intercept)	19.7507	2.6148	7.5535	19.2544	0.0000
	richness	-0.1395	0.7791	-0.1791	38.5508	0.8588
Lavandula	(Intercept)	2.0255	0.1811	11.1833	22.7931	0.0000
	richness	0.0770	0.0590	1.3043	66.3927	0.1966
Salvia rosmarinus	(Intercept)	2.0257	0.3494	5.7981	10.8250	0.0001
	richness	0.2971	0.1573	1.8892	8.6479	0.0928
Teucrium fruticans	(Intercept)	3.0030	1.2301	2.4413	4.7547	0.0611
	richness	-0.0203	0.3141	-0.0647	8.3222	0.9499

Seed number - visitation rate

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	4.6059	1.0005	4.6036	2.1136	0.0397
	visitatio_rate	-2.1062	0.8166	-2.5792	11.1023	0.0255
Cistus crispus	(Intercept)	33.3809	2.1583	15.4664	18.1118	0.0000
	visitatio_rate	-0.0804	2.0269	-0.0396	65.7180	0.9685
Cistus ladanifer	(Intercept)	431.1849	48.0821	8.9677	51.0000	0.0000
	visitatio_rate	21.7615	37.3768	0.5822	51.0000	0.5630
Cistus libanotis	(Intercept)	19.1307	2.0726	9.2304	14.0000	0.0000
	visitatio_rate	-14.1206	5.9647	-2.3674	14.0000	0.0329
Cistus monspeliensis	(Intercept)	14.6758	3.8979	3.7651	1.3623	0.1117
	visitatio_rate	-1.9138	12.6807	-0.1509	8.8220	0.8834
Cistus salviifolius	(Intercept)	41.0266	2.7452	14.9447	12.5494	0.0000
	visitatio_rate	-6.9772	3.1271	-2.2312	63.4551	0.0292
Halimium calycinum	(Intercept)	2.6921	0.2993	8.9950	4.7195	0.0004
	visitatio_rate	-0.2679	0.3988	-0.6718	14.8252	0.5121
Halimium halimifolium	(Intercept)	17.7932	2.2302	7.9783	12.8412	0.0000
	visitatio_rate	6.1745	4.7258	1.3066	39.6394	0.1989
Lavandula	(Intercept)	2.2071	0.1531	14.4115	10.7258	0.0000
	visitatio_rate	-0.2278	0.2934	-0.7764	66.9795	0.4402
Salvia rosmarinus	(Intercept)	2.4410	0.2536	9.6253	7.2906	0.0000
	visitatio_rate	0.3861	0.5189	0.7441	6.7964	0.4818
Teucrium fruticans	(Intercept)	3.4215	1.3129	2.6061	1.1841	0.2008
	visitatio_rate	-1.3499	1.0419	-1.2956	8.9790	0.2274

Seed number - hymenoptera visitation

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	4.5623	1.0058	4.5358	2.0900	0.0417
	Hym_visit	-1.9997	0.7919	-2.5251	11.0652	0.0281
Cistus crispus	(Intercept)	33.4147	2.1473	15.5614	17.8652	0.0000
	Hym_visit	-0.1410	2.0916	-0.0674	65.4361	0.9465
Cistus ladanifer	(Intercept)	429.8104	45.2401	9.5006	51.0000	0.0000
	Hym_visit	37.3180	53.2003	0.7015	51.0000	0.4862
Cistus libanotis	(Intercept)	16.3039	1.9437	8.3882	14.0000	0.0000
	Hym_visit	-5.9670	6.4654	-0.9229	14.0000	0.3717
Cistus monspeliensis	(Intercept)	14.0426	3.3633	4.1753	1.1741	0.1209
	Hym_visit	2.8972	11.3469	0.2553	8.7763	0.8044
Cistus salviifolius	(Intercept)	41.6444	2.4659	16.8883	13.1177	0.0000
	Hym_visit	-13.4132	3.8952	-3.4435	63.8183	0.0010
Halimium calycinum	(Intercept)	2.6498	0.2869	9.2353	3.8909	0.0009
	Hym_visit	-0.2067	0.4242	-0.4873	14.1649	0.6335
Halimium halimifolium	(Intercept)	18.4598	2.1591	8.5499	9.6982	0.0000
	Hym_visit	5.5040	5.5550	0.9908	38.0853	0.3280
Lavandula	(Intercept)	2.2091	0.1527	14.4703	10.6210	0.0000
	Hym_visit	-0.2519	0.2930	-0.8598	66.8875	0.3930
Salvia rosmarinus	(Intercept)	2.4408	0.2537	9.6209	7.2932	0.0000
	Hym_visit	0.3880	0.5205	0.7453	6.7920	0.4811
Teucrium fruticans	(Intercept)	3.4385	1.3340	2.5776	1.1662	0.2060
	Hym_visit	-1.4052	1.0489	-1.3398	8.9846	0.2132

Seed number - frequency

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	4.8472	1.0688	4.5350	2.0870	0.0419
	Frequency	-0.1838	0.0485	-3.7899	11.2106	0.0029
Cistus crispus	(Intercept)	34.7305	2.1267	16.3307	19.1769	0.0000
	Frequency	-0.0986	0.0926	-1.0645	67.1508	0.2909
Cistus ladanifer	(Intercept)	442.8248	40.7179	10.8754	8.1380	0.0000
	Frequency	1.2295	3.4535	0.3560	48.2360	0.7234
Cistus libanotis	(Intercept)	18.0444	2.5067	7.1984	14.0000	0.0000
	Frequency	-0.3056	0.2157	-1.4169	14.0000	0.1784
Cistus monspeliensis	(Intercept)	12.2415	3.2677	3.7462	1.3935	0.1090
	Frequency	0.3798	0.2297	1.6538	8.0287	0.1366
Cistus salviifolius	(Intercept)	37.9992	2.6862	14.1459	18.4626	0.0000
	Frequency	-0.0419	0.3119	-0.1343	63.6194	0.8936
Halimium calycinum	(Intercept)	2.8413	0.3441	8.2577	5.8556	0.0002
	Frequency	-0.0408	0.0363	-1.1255	16.7285	0.2763
Halimium halimifolium	(Intercept)	19.4644	2.2147	8.7887	10.5429	0.0000
	Frequency	-0.0035	0.1223	-0.0285	41.1632	0.9774
Lavandula	(Intercept)	2.1641	0.1661	13.0314	14.3256	0.0000
	Frequency	0.0007	0.0056	0.1194	70.0925	0.9053
Salvia rosmarinus	(Intercept)	2.4697	0.2420	10.2069	6.5095	0.0000
	Frequency	0.0017	0.0033	0.5209	7.7412	0.6170
Teucrium fruticans	(Intercept)	2.8432	0.8269	3.4386	1.4344	0.1174
	Frequency	0.0007	0.0188	0.0362	7.0442	0.9721

Seed weight - richness

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	0.0234	0.0031	7.6585	13.0000	0.0000
	richness	-0.0039	0.0014	-2.7219	13.0000	0.0175
Cistus crispus	(Intercept)	0.0182	0.0016	11.2383	38.2284	0.0000
	richness	-0.0005	0.0005	-0.9692	67.9325	0.3359
Cistus ladanifer	(Intercept)	0.1210	0.0193	6.2843	23.8455	0.0000
	richness	0.0015	0.0085	0.1707	50.4419	0.8651
Cistus libanotis	(Intercept)	0.0115	0.0023	5.0303	14.0000	0.0002
	richness	0.0005	0.0007	0.6978	14.0000	0.4967
Cistus monspeliensis	(Intercept)	0.0120	0.0050	2.3829	1.6927	0.1624
	richness	0.0016	0.0009	1.7029	8.0056	0.1270
Cistus salviifolius	(Intercept)	0.0432	0.0038	11.3986	64.0000	0.0000
	richness	0.0000	0.0016	0.0111	64.0000	0.9912
Halimium calycinum	(Intercept)	0.0060	0.0023	2.5958	3.2515	0.0743
	richness	0.0005	0.0012	0.4007	7.1903	0.7003
Halimium halimifolium	(Intercept)	0.0099	0.0022	4.4960	43.0000	0.0001
	richness	0.0001	0.0008	0.1601	43.0000	0.8736
Lavandula	(Intercept)	0.0009	0.0001	6.4411	14.7771	0.0000
	richness	0.0000	0.0000	0.3024	62.8028	0.7634
Salvia rosmarinus	(Intercept)	0.0007	0.0001	5.8855	11.0000	0.0001
	richness	-0.0001	0.0001	-1.4909	11.0000	0.1641
Teucrium fruticans	(Intercept)	0.0019	0.0015	1.2443	9.0000	0.2448
	richness	0.0005	0.0004	1.2202	9.0000	0.2534

Seed weight - visitation rate

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	0.0170	0.0040	4.2113	2.0969	0.0479
	visitatio_rate	-0.0066	0.0058	-1.1347	11.3539	0.2799
Cistus crispus	(Intercept)	0.0169	0.0012	13.6038	18.9073	0.0000
	visitatio_rate	-0.0001	0.0012	-0.0457	66.2984	0.9637
Cistus ladanifer	(Intercept)	0.1141	0.0145	7.8787	9.7303	0.0000
	visitatio_rate	0.0098	0.0100	0.9846	50.9411	0.3295
Cistus libanotis	(Intercept)	0.0166	0.0021	7.7190	14.0000	0.0000
	visitatio_rate	-0.0122	0.0062	-1.9759	14.0000	0.0682
Cistus monspeliensis	(Intercept)	0.0159	0.0051	3.0959	1.3450	0.1450
	visitatio_rate	0.0011	0.0163	0.0683	8.7824	0.9471
Cistus salviifolius	(Intercept)	0.0475	0.0027	17.5042	64.0000	0.0000
	visitatio_rate	-0.0084	0.0035	-2.4319	64.0000	0.0178
Halimium calycinum	(Intercept)	0.0073	0.0014	5.2540	3.7255	0.0076
	visitatio_rate	-0.0018	0.0021	-0.8611	15.8657	0.4020
Halimium halimifolium	(Intercept)	0.0102	0.0018	5.6353	43.0000	0.0000
	visitatio_rate	0.0001	0.0047	0.0192	43.0000	0.9847
Lavandula	(Intercept)	0.0010	0.0001	7.6580	9.2436	0.0000
	visitatio_rate	-0.0002	0.0002	-0.9905	63.8007	0.3257
Salvia rosmarinus	(Intercept)	0.0006	0.0001	7.3099	7.4568	0.0001
	visitatio_rate	-0.0003	0.0002	-1.2374	8.9410	0.2474
Teucrium fruticans	(Intercept)	0.0032	0.0012	2.7775	9.0000	0.0215
	visitatio_rate	0.0006	0.0013	0.4303	9.0000	0.6771

Seed weight - hymenoptera visitation

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	0.0168	0.0040	4.2194	1.9881	0.0524
	Hym_visit	-0.0059	0.0057	-1.0458	11.1685	0.3178
Cistus crispus	(Intercept)	0.0169	0.0012	13.6719	18.6824	0.0000
	Hym_visit	-0.0001	0.0013	-0.0448	66.0001	0.9644
Cistus ladanifer	(Intercept)	0.1179	0.0137	8.6216	7.7910	0.0000
	Hym_visit	0.0097	0.0144	0.6773	50.1375	0.5014
Cistus libanotis	(Intercept)	0.0146	0.0019	7.7400	14.0000	0.0000
	Hym_visit	-0.0073	0.0063	-1.1663	14.0000	0.2630
Cistus monspeliensis	(Intercept)	0.0149	0.0043	3.4697	1.1705	0.1491
	Hym_visit	0.0099	0.0143	0.6976	8.7546	0.5035
Cistus salviifolius	(Intercept)	0.0476	0.0024	19.5886	64.0000	0.0000
	Hym_visit	-0.0141	0.0044	-3.1807	64.0000	0.0023
Halimium calycinum	(Intercept)	0.0071	0.0013	5.4234	2.8227	0.0144
	Hym_visit	-0.0015	0.0022	-0.6547	15.2413	0.5224
Halimium halimifolium	(Intercept)	0.0100	0.0016	6.2265	43.0000	0.0000
	Hym_visit	0.0014	0.0056	0.2451	43.0000	0.8075
Lavandula	(Intercept)	0.0010	0.0001	7.6633	9.1783	0.0000
	Hym_visit	-0.0002	0.0002	-0.9990	63.7392	0.3216
Salvia rosmarinus	(Intercept)	0.0006	0.0001	7.3056	7.4532	0.0001
	Hym_visit	-0.0003	0.0002	-1.2455	8.9074	0.2447
Teucrium fruticans	(Intercept)	0.0032	0.0012	2.7633	9.0000	0.0220
	Hym_visit	0.0006	0.0013	0.4550	9.0000	0.6599

Seed weight - frequency

Plant_gen_sp	term	estimate	std.error	statistic	df	p.value
Asphodelus fistulosus	(Intercept)	0.0180	0.0039	4.6170	2.2504	0.0349
	Frequency	-0.0006	0.0004	-1.6039	12.3931	0.1339
Cistus crispus	(Intercept)	0.0173	0.0013	13.7931	19.5249	0.0000
	Frequency	0.0000	0.0001	-0.4955	67.4134	0.6219
Cistus ladanifer	(Intercept)	0.1232	0.0125	9.8735	6.4470	0.0000
	Frequency	0.0001	0.0009	0.0896	49.3434	0.9290
Cistus libanotis	(Intercept)	0.0122	0.0026	4.6286	14.0000	0.0004
	Frequency	0.0001	0.0002	0.2815	14.0000	0.7825
Cistus monspeliensis	(Intercept)	0.0130	0.0045	2.8828	1.2823	0.1662
	Frequency	0.0006	0.0003	2.0262	8.0208	0.0772
Cistus salviifolius	(Intercept)	0.0434	0.0029	14.9048	64.0000	0.0000
	Frequency	0.0000	0.0004	-0.1099	64.0000	0.9128
Halimium calycinum	(Intercept)	0.0066	0.0015	4.5403	17.0000	0.0003
	Frequency	0.0000	0.0002	0.2374	17.0000	0.8152
Halimium halimifolium	(Intercept)	0.0104	0.0017	6.1986	43.0000	0.0000
	Frequency	0.0000	0.0001	-0.1742	43.0000	0.8625
Lavandula	(Intercept)	0.0008	0.0001	6.1699	11.3783	0.0001
	Frequency	0.0000	0.0000	2.5022	66.1507	0.0148
Salvia rosmarinus	(Intercept)	0.0006	0.0001	8.3239	11.0000	0.0000
	Frequency	0.0000	0.0000	-0.7404	11.0000	0.4746
Teucrium fruticans	(Intercept)	0.0039	0.0010	3.8093	9.0000	0.0042
	Frequency	0.0000	0.0000	-0.3160	9.0000	0.7592