Supporting information

What explains interspecific variation in liana load?

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1 Supplemental tables

FF	FI	FD	IF	II	ID	species
5	3	1	15	68	15	*Alchornea costaricensi*
27	10	3	5	28	12	*Brosimum alicastrum*
102	14	51	5	1	4	*Cecropia insignis*
26	8	6	4	4	8	*Cordia alliodora*
9	1	8	2	10	18	*Eugenia oerstediana*
4	2	1	2	19	9	*Guarea guidonia*
36	3	3	10	56	6	*Gustavia superba*
129	26	18	10	27	11	*Jacaranda copaia*
5	3	1	2	22	6	*Macrocnemum roseum*
44	13	23	7	18	33	*Simarouba amara*
1	2	2	1	19	16	*Tabernaemont arborea*
7	4	4	18	47	33	*Trichilia tuberculata*
4	3	3	3	24	17	*Virola sebifera*
7	3	1	3	17	10	*Virola surinamensis*
43	20	16	4	10	8	*Zanthoxylum ekmanii*

Table 1: table caption in main text

β	ν	μ	α	species
0.054 (0.0438)	0.025 (0.0091)	0.01 (0.0326)	0.007 (0.079)	*Alchornea costaricensi*
0.038 (0.0145)	0.017 (0.0101)	0.004 (0.0132)	0.029 (0.0157)	*Brosimum alicastrum*
0.035 (0.0442)	0.216 (0.2698)	0.033 (0.01)	0.038 (0.1828)	*Cecropia insignis*
0.048 (0.0278)	0.066 (0.0527)	0.004 (0.0586)	0.084 (0.0555)	*Cordia alliodora*
0.013 (0.0228)	0.016 (0.0172)	0.055 (0.0254)	0.035 (0.0521)	*Eugenia oerstediana*
0.046 (0.0475)	0.011 (0.012)	0.011 (0.0497)	0.025 (0.041)	*Guarea guidonia*
0.009 (0.0068)	0.017 (0.0063)	0.007 (0.006)	0.001 (0.0933)	*Gustavia superba*
0.023 (0.0053)	0.032 (0.0123)	0.009 (0.0035)	0.019 (0.0137)	*Jacaranda copaia*
0.051 (0.0399)	0.01 (0.0111)	0.009 (0.0364)	0.013 (0.0415)	*Macrocnemum roseum*
0.038 (0.0132)	0.03 (0.0147)	0.025 (0.0105)	0.064 (0.025)	*Simarouba amara*
0.114 (0.1209)	0.008 (0.0159)	0.045 (0.1054)	0.012 (0.6762)	*Tabernaemont arborea*
0.058 (0.0416)	0.04 (0.0144)	0.028 (0.0285)	0.015 (0.064)	*Trichilia tuberculata*
0.063 (0.0507)	0.015 (0.0125)	0.031 (0.0413)	0.018 (0.0866)	*Virola sebifera*
0.044 (0.0348)	0.017 (0.0139)	0.004 (0.0949)	0.039 (0.0265)	*Virola surinamensis*
0.051 (0.0159)	0.038 (0.027)	0.017 (0.0106)	0.032 (0.0356)	*Zanthoxylum ekmanii*

Table 2: table caption in main text

	F - D	F - F	F - I	I - D	I - F	I - I	Total
AVA	0.031 (6)	0.26 (51)	0.015 (3)	0.072 (14)	0.13 (26)	0.49 (95)	195.0000
DRAYTON	0.057 (10)	0.2 (35)	0.057 (10)	0.23 (41)	0.046 (8)	0.41 (71)	175.0000
FDP	0.12 (99)	0.42 (336)	0.11 (89)	0.11 (92)	0.056 (45)	0.18 (144)	805.0000
ZETEK	0.13 (26)	0.14 (27)	0.066 (13)	0.3 (59)	0.061 (12)	0.3 (60)	197.0000
Total	141	449	115	206	91	370	1372.0000

Table 3: table caption in main text

	AVA	DRAYTON	FDP	ZETEK	Total
Alchornea costaricensi	4/4 (1)	7/8 (0.88)	87/94 (0.93)	0/1 (0)	107.0000
Brosimum alicastrum	0/1 (0)	5/8 (0.62)	38/72 (0.53)	2/4 (0.5)	85.0000
Cecropia insignis	0/0 (NaN)	0/9 (0)	9/157 (0.057)	1/11 (0.091)	177.0000
Cordia alliodora	1/6 (0.17)	0/4 (0)	10/38 (0.26)	5/8 (0.62)	56.0000
Eugenia oerstediana	4/9 (0.44)	0/0 (NaN)	25/38 (0.66)	1/1 (1)	48.0000
Guarea guidonia	12/15 (0.8)	15/19 (0.79)	0/0 (NaN)	3/3 (1)	37.0000
Gustavia superba	57/86 (0.66)	9/16 (0.56)	0/0 (NaN)	6/12 (0.5)	114.0000
Jacaranda copaia	0/1 (0)	8/18 (0.44)	36/185 (0.19)	4/17 (0.24)	221.0000
Macrocnemum roseum	4/4 (1)	19/22 (0.86)	7/13 (0.54)	0/0 (NaN)	39.0000
Simarouba amara	1/2 (0.5)	4/5 (0.8)	47/116 (0.41)	6/15 (0.4)	138.0000
Tabernaemont arborea	2/2 (1)	0/0 (NaN)	0/0 (NaN)	34/39 (0.87)	41.0000
Trichilia tuberculata	36/43 (0.84)	16/16 (1)	0/0 (NaN)	46/54 (0.85)	113.0000
Virola sebifera	9/13 (0.69)	21/24 (0.88)	0/0 (NaN)	14/17 (0.82)	54.0000
Virola surinamensis	5/8 (0.62)	16/23 (0.7)	1/1 (1)	8/9 (0.89)	41.0000
Zanthoxylum ekmanii	0/1 (0)	0/3 (0)	21/91 (0.23)	1/6 (0.17)	101.0000
Total	195	175	805	197	1372.0000

Table 4: table caption in main text

	ALCHCO	BROSAL	CECRIN	CORDAL	EUGEOE	GUARGU	GUSTSU	JAC1CO	MACRGL	SIMAAM	TAB2AR	TRI2TU	VIROSE	VIROSU	ZANTBE
Full model $(\mu, \alpha, \nu, \beta)$	0.666	0.562	0.126	0.286	0.230	0.721	0.327	0.341	0.797	0.348	0.928	0.554	0.774	0.576	0.490
Only mortality $(\mu, \bar{\alpha}, \bar{\nu}, \bar{\beta})$	0.470	0.470	0.468	0.470	0.466	0.470	0.470	0.470	0.470	0.468	0.467	0.468	0.468	0.470	0.469
Only liana lethality $(\bar{\mu}, \alpha, \bar{\nu}, \bar{\beta})$	0.532	0.468	0.443	0.333	0.452	0.479	0.547	0.497	0.512	0.378	0.516	0.509	0.501	0.441	0.460
Only recovery $(\bar{\mu}, \bar{\alpha}, \nu, \bar{\beta})$	0.550	0.621	0.163	0.355	0.631	0.700	0.625	0.498	0.712	0.513	0.752	0.453	0.653	0.626	0.465
Only colonization $(\bar{\mu}, \bar{\alpha}, \bar{\nu}, \beta)$	0.517	0.415	0.392	0.486	0.179	0.473	0.123	0.286	0.501	0.414	0.721	0.537	0.562	0.460	0.502
Average mortality $(\bar{\mu}, \alpha, \nu, \beta)$	0.666	0.559	0.126	0.284	0.234	0.720	0.327	0.340	0.797	0.349	0.928	0.554	0.774	0.573	0.489
Average liana lethality $(\mu, \bar{\alpha}, \nu, \beta)$	0.601	0.562	0.129	0.370	0.255	0.706	0.178	0.308	0.746	0.455	0.918	0.520	0.743	0.619	0.498
Average recovery $(\mu, \alpha, \bar{\nu}, \beta)$	0.574	0.416	0.364	0.352	0.165	0.484	0.184	0.316	0.543	0.323	0.740	0.572	0.588	0.434	0.493
Average colonization $(\mu, \alpha, \nu, \bar{\beta})$	0.627	0.622	0.159	0.272	0.599	0.717	0.726	0.529	0.775	0.406	0.816	0.490	0.698	0.586	0.457
recovery and colonization $(\bar{\mu}, \bar{\alpha}, \nu, \beta)$	0.600	0.560	0.129	0.369	0.259	0.705	0.176	0.307	0.744	0.455	0.918	0.520	0.744	0.617	0.498
recovery and mortality $(\mu, \bar{\alpha}, \nu, \bar{\beta})$	0.551	0.623	0.163	0.356	0.626	0.701	0.627	0.499	0.713	0.512	0.748	0.452	0.651	0.628	0.466
recovery and lethality $(\bar{\mu}, \alpha, \nu, \bar{\beta})$	0.626	0.620	0.160	0.271	0.605	0.716	0.726	0.528	0.774	0.407	0.817	0.491	0.699	0.583	0.456
colonization and mortality $(\mu, \bar{\alpha}, \bar{\nu}, \beta)$	0.517	0.416	0.391	0.487	0.177	0.474	0.124	0.287	0.502	0.413	0.720	0.536	0.561	0.462	0.502
colonization and lethality $(\bar{\mu}, \alpha, \bar{\nu}, \beta)$	0.574	0.415	0.365	0.350	0.167	0.483	0.184	0.315	0.542	0.324	0.741	0.572	0.589	0.432	0.493
mortality and lethality $(\mu, \alpha, \bar{\nu}, \bar{\beta})$	0.532	0.470	0.441	0.336	0.448	0.479	0.547	0.498	0.513	0.377	0.515	0.508	0.500	0.442	0.460

Table 5: table caption in main text

2 Supplemental Figures

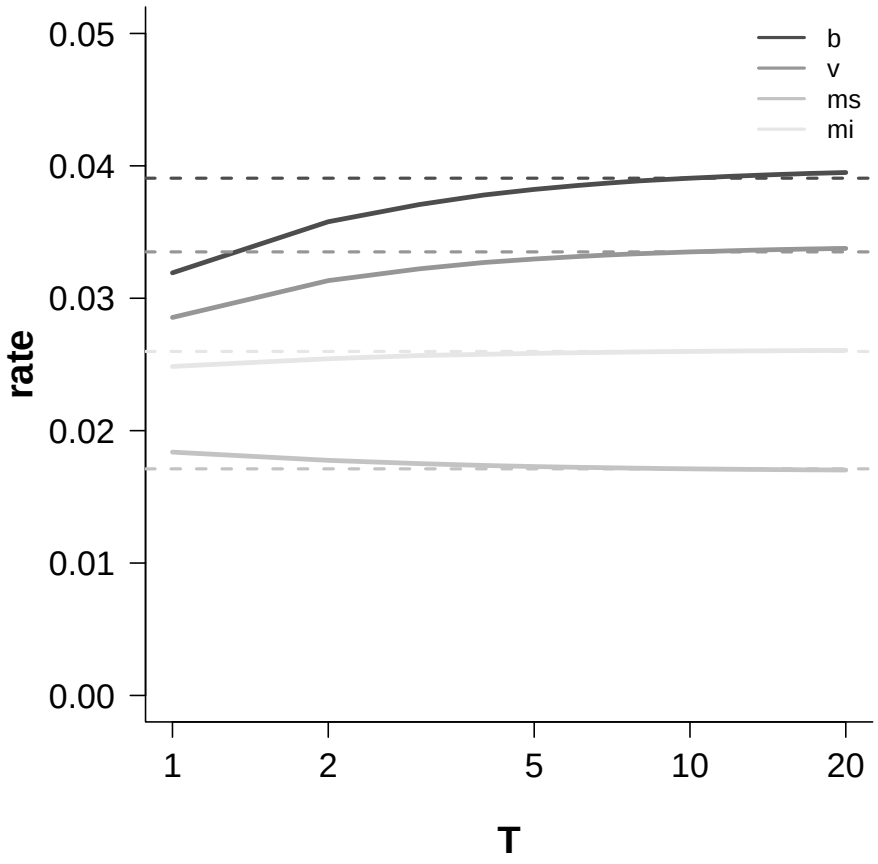

Figure 1: LEGEND

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Figure 2: LEGEND

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