

### Supplementary\_material\_3

**Supplementary Material Table S3.** Models relating predictor variables to taxonomic richness ( $q = 0$ ) of phyllostomid bats in a terra firme forest gradient in Northeastern Brazilian Amazon. The models were listed according to the corrected Akaike information criterion (AICc), selecting those that presented values of  $\Delta\text{AICc} < 2$  (in bold). The predictors that enter the models are distance to the nearest watercourse – DNW; elevation – ELE; canopy height – CH; basal area – BA; vegetation clutter – VCL.

Modelos	df	logLik	AICc	$\Delta\text{AICc}$	wi
<b>DNW</b>	<b>3</b>	<b>-25.25</b>	<b>58.7</b>	<b>0.00</b>	<b>0.30</b>
<b>ELE</b>	<b>3</b>	<b>-25.82</b>	<b>59.8</b>	<b>1.14</b>	<b>0.17</b>
NULL	2	-28.09	61.2	2.49	0.09
ELE+DNW	4	-25.09	62.2	3.50	0.05
VCL+DNW	4	-25.11	62.2	3.53	0.05
DNW+CH	4	-25.16	62.3	3.65	0.05
DNW+BA	4	-25.18	62.4	3.67	0.05
BA	3	-27.09	62.4	3.67	0.05
ELE+BA	4	-25.41	62.8	4.14	0.04

VCL+ELE	4	-25.79	63.6	4.90	0.03
ELE+CH	4	-25.82	63.6	4.95	0.03
CH	3	-27.97	64.1	5.43	0.02
VCL	3	-28.02	64.2	5.54	0.02
VCL+BA	4	-27.02	66.1	7.37	0.01
BA+CH	4	-27.08	66.2	7.48	0.01
VCL+ELE+DNW	5	-24.93	66.5	7.85	0.01
ELE+DNW+BA	5	-24.98	66.6	7.95	0.01
ELE+DNW+CH	5	-25.00	66.7	7.99	0.01
VCL+DNW+CH	5	-25.03	66.7	8.06	0.01
VCL+DNW+BA	5	-25.06	66.8	8.12	0.01
DNW+BA+CH	5	-25.07	66.8	8.13	0.01
ELE+BA+CH	5	-25.37	67.4	8.74	0.00
VCL+ELE+BA	5	-25.39	67.5	8.77	0.00
VCL+CH	4	-27.93	67.9	9.17	0.00

VCL+ELE+CH	5	-25.79	68.2	9.56	0.00
VCL+BA+CH	5	-27.02	70.7	12.03	0.00
VCL+ELE+DNW+CH	6	-24.86	72.2	13.55	0.00
VCL+ELE+DNW+BA	6	-24.87	72.2	13.55	0.00
ELE+DNW+BA+CH	6	-24.87	72.3	13.57	0.00
VCL+DNW+BA+CH	6	-24.98	72.5	13.77	0.00
VCL+ELE+BA+CH	6	-25.36	73.2	14.54	0.00
VCL+ELE+DNW+BA+CH	7	-24.78	79.6	20.87	0.00

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**Note:** df – number of model parameters, logLik – log-likelihood, AICc – Akaike information criterion corrected for small samples,  $\Delta\text{AICc}$  – difference between the AICc values of the model in question and the model with the lowest AICc, wi – model weight (Akaike).

**Supplementary Material Table S4.** Models relating predictor variables to taxonomic diversity ( $q = 2$ ) of phyllostomid bats in a terra firme forest gradient in Northeastern Brazilian Amazon. The models were listed according to the corrected Akaike information criterion (AICc), selecting those that presented values of  $\Delta\text{AICc} < 2$  (in bold). The predictors that enter the models are distance to the nearest watercourse – DNW; elevation – ELE; canopy height – CH; basal area – BA; vegetation clutter – VCL.

Modelos	df	logLik	AICc	$\Delta\text{AICc}$	wi
<b>DNW</b>	<b>3</b>	<b>-235.80</b>	<b>479.8</b>	<b>0.00</b>	<b>0.31</b>
<b>NULL</b>	<b>2</b>	<b>-237.86</b>	<b>480.7</b>	<b>0.95</b>	<b>0.19</b>
ELE+DNW	4	-235.31	482.6	2.84	0.07
ELE	3	-237.41	483.0	3.24	0.06
VCL+DNW	4	-235.65	483.3	3.53	0.05
DNW+BA	4	-235.74	483.5	3.71	0.05
DNW+CH	4	-235.75	483.5	3.72	0.05
BA	3	-237.66	483.5	3.72	0.05
CH	3	-237.76	483.7	3.93	0.04

VCL	3	-237.83	483.8	4.07	0.04
ELE+BA	4	-237.34	486.7	6.91	0.01
ELE+CH	4	-237.39	486.8	7.01	0.01
VCL+ELE	4	-237.41	486.8	7.05	0.01
VCL+ELE+DNW	5	-235.17	487.0	7.22	0.01
ELE+DNW+BA	5	-235.21	487.1	7.31	0.01
ELE+DNW+CH	5	-235.25	487.2	7.38	0.01
BA+CH	4	-237.60	487.2	7.42	0.01
VCL+BA	4	-237.61	487.2	7.45	0.01
VCL+CH	4	-237.75	487.5	7.72	0.01
VCL+DNW+BA	5	-235.53	487.7	7.95	0.01
VCL+DNW+CH	5	-235.61	487.9	8.12	0.01
DNW+BA+CH	5	-235.70	488.1	8.28	0.01
ELE+BA+CH	5	-237.33	491.3	11.55	0.00
VCL+ELE+BA	5	-237.34	491.3	11.57	0.00

VCL+ELE+CH	5	-237.39	491.5	11.68	0.00
VCL+BA+CH	5	-237.57	491.8	12.04	0.00
VCL+ELE+DNW+BA	6	-234.97	492.4	12.68	0.00
VCL+ELE+DNW+CH	6	-235.12	492.7	12.96	0.00
ELE+DNW+BA+CH	6	-235.15	492.8	13.03	0.00
VCL+DNW+BA+CH	6	-235.49	493.5	13.71	0.00
VCL+ELE+BA+CH	6	-237.33	497.2	17.38	0.00
VCL+ELE+DNW+BA+CH	7	-234.93	499.9	20.09	0.00

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**Note:** df – number of model parameters, logLik – log-likelihood, AICc – Akaike information criterion corrected for small samples,  $\Delta\text{AICc}$  – difference between the AICc values of the model in question and the model with the lowest AICc, wi – model weight (Akaike).

**Supplementary Material Table S5.** Models relating predictor variables with functional richness ( $q = 0$ ) of phyllostomid bats in a terra firme forest gradient in Northeastern Brazilian Amazon. The models were listed according to the corrected Akaike information criterion (AICc), selecting those that presented values of  $\Delta\text{AICc} < 2$  (in bold). The predictors that enter the models are distance to the nearest watercourse – DNW; elevation – ELE; canopy height – CH; basal area – BA; vegetation clutter – VCL.

<b>Modelos</b>	<b>df</b>	<b>logLik</b>	<b>AICc</b>	<b><math>\Delta\text{AICc}</math></b>	<b>wi</b>
<b>NULL</b>	<b>2</b>	<b>-305.33</b>	<b>615.7</b>	<b>0.00</b>	<b>0.35</b>
<b>DNW</b>	<b>3</b>	<b>-304.73</b>	<b>617.6</b>	<b>1.98</b>	<b>0.13</b>
VCL	3	-305.19	618.6	2.90	0.08
BA	3	-305.26	618.7	3.03	0.08
CH	3	-305.28	618.7	3.08	0.08
ELE	3	-305.33	618.8	3.17	0.07
ELE+DNW	4	-304.03	620.0	4.38	0.04
VCL+DNW	4	-304.19	620.4	4.72	0.03
DNW+BA	4	-304.77	621.5	5.78	0.02

DNW+CH	4	-304.73	621.5	5.79	0.02
VCL+CH	4	-305.10	622.2	6.52	0.01
VCL+BA	4	-305.13	622.3	6.58	0.01
VCL+ELE	4	-305.15	622.3	6.63	0.01
BA+CH	4	-305.23	622.5	6.78	0.01
ELE+BA	4	-305.26	622.5	6.84	0.01
ELE+CH	4	-305.28	622.6	6.90	0.01
VCL+ELE+DNW	5	-303.46	623.6	7.93	0.08
ELE+DNW+BA	5	-303.99	624.6	8.98	0.00
ELE+DNW+CH	5	-304.02	624.7	9.04	0.00
VCL+DNW+BA	5	-304.09	624.9	9.18	0.00
VCL+DNW+CH	5	-304.19	625.1	9.38	0.00
DNW+BA+CH	5	-304.72	626.1	10.44	0.00
VCL+BA+CH	5	-305.06	626.8	11.11	0.00
VCL+ELE+CH	5	-305.08	626.8	11.15	0.00

VCL+ELE+BA	5	-305.11	626.9	11.22	0.00
ELE+BA+CH	5	-305.22	627.1	11.44	0.00
VCL+ELE+DNW+BA	6	-303.29	629.1	13.40	0.00
VCL+ELE+DNW+CH	6	-303.46	629.4	13.76	0.00
ELE+DNW+BA+CH	6	-303.99	630.5	14.80	0.00
VCL+DNW+BA+CH	6	-304.09	630.7	15.02	0.00
VCL+ELE+BA+CH	6	-305.05	632.6	16.93	0.00
VCL+ELE+DNW+BA+CH	7	-303.29	636.6	20.90	0.00

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**Note:** df – number of model parameters, logLik – log-likelihood, AICc – Akaike information criterion corrected for small samples,  $\Delta\text{AICc}$  – difference between the AICc values of the model in question and the model with the lowest AICc, wi – model weight (Akaike).

**Supplementary Material Table S6.** Models relating the predictor variables to the functional diversity ( $q = 2$ ) of phyllostomid bats in a terra firme forest gradient in Northeastern Brazilian Amazon. The models were listed according to the corrected Akaike information criterion (AICc), selecting those that presented values of  $\Delta\text{AICc} < 2$  (in bold). The predictors that enter the models are distance to the nearest watercourse – DNW; elevation – ELE; canopy height – CH; basal area – BA; vegetation clutter – VCL.

Modelos	df	logLik	AICc	$\Delta\text{AICc}$	wi
<b>DNW</b>	<b>3</b>	<b>296.86</b>	<b>601.9</b>	<b>0.00</b>	<b>0.41</b>
ELE+DNW	4	296.40	604.8	2.92	0.10
NULL	2	300.00	605.0	3.12	0.09
VCL+DNW	4	296.71	605.4	3.53	0.07
DNW+CH	4	296.84	605.7	3.79	0.06
DNW+BA	4	296.85	605.7	3.80	0.06
ELE	3	299.15	606.5	4.58	0.04
BA	3	299.52	607.2	5.33	0.03
CH	3	299.53	607.2	5.34	0.03
VCL	3	299.92	608.0	6.12	0.02

VCL+ELE+DNW	5	296.27	609.2	7.31	0.01
ELE+DNW+BA	5	296.38	609.4	7.53	0.01
ELE+DNW+CH	5	296.39	609.5	7.56	0.01
ELE+CH	4	298.92	609.8	7.95	0.01
ELE+BA	4	298.93	609.9	7.97	0.01
VCL+DNW+BA	5	296.67	610.0	8.12	0.01
VCL+DNW+CH	5	296.69	610.1	8.16	0.01
VCL+ELE	4	299.15	610.3	8.40	0.01
DNW+BA+CH	5	296.84	610.3	8.44	0.01
BA+CH	4	299.18	610.4	8.46	0.01
VCL+BA	4	299.40	610.8	8.90	0.01
VCL+CH	4	299.50	611.0	9.11	0.00
ELE+BA+CH	5	298.75	614.2	12.27	0.00
VCL+ELE+CH	5	298.92	614.5	12.61	0.00
VCL+ELE+BA	5	298.92	614.5	12.61	0.00

VCL+ELE+DNW+BA	6	296.19	614.9	12.99	0.00
VCL+BA+CH	5	299.12	614.9	13.02	0.00
VCL+ELE+DNW+CH	6	296.25	615.0	13.10	0.00
ELE+DNW+BA+CH	6	296.37	615.2	13.34	0.00
VCL+DNW+BA+CH	6	296.65	615.8	13.91	0.00
VCL+ELE+BA+CH	6	298.74	620.0	18.09	0.00
VCL+ELE+DNW+BA+CH	7	296.17	622.3	20.44	0.00

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**Note:** df – number of model parameters, logLik – log-likelihood, AICc – Akaike information criterion corrected for small samples,  $\Delta\text{AICc}$  – difference between the AICc values of the model in question and the model with the lowest AICc, wi – model weight (Akaike).

**Supplementary Material Table S7.** Models relating predictor variables to phylogenetic richness ( $q = 0$ ) of phyllostomid bats in a terra firme forest gradient in Northeastern Brazilian Amazon. The models were listed according to the corrected Akaike information criterion (AICc), selecting those that presented values of  $\Delta\text{AICc} < 2$  (in bold). The predictors that enter the models are distance to the nearest watercourse – DNW; elevation – ELE; canopy height – CH; basal area – BA; vegetation clutter – VCL.

<b>Modelos</b>	<b>df</b>	<b>logLik</b>	<b>AICc</b>	<b><math>\Delta\text{AICc}</math></b>	<b>wi</b>
<b>NULL</b>	<b>2</b>	<b>-221.99</b>	<b>449.0</b>	<b>0.00</b>	<b>0.40</b>
DNW	3	-221.85	451.9	2.90	0.10
VCL	3	-221.88	451.9	2.94	0.09
CH	3	-221.99	452.2	3.17	0.08
ELE	3	-221.97	452.2	3.18	0.08
BA	3	-221.97	452.2	3.18	0.08
VCL+DNW	4	-221.58	455.2	6.17	0.02
ELE+DNW	4	-221.62	455.2	6.24	0.02
DNW+BA	4	-221.82	455.6	6.64	0.02
DNW+CH	4	-221.85	455.7	6.71	0.01

VCL+CH	4	-221.86	455.7	6.72	0.01
VCL+ELE	4	-221.87	455.7	6.75	0.01
VCL+BA	4	-221.88	455.8	6.76	0.01
ELE+CH	4	-221.99	456.0	6.99	0.01
BA+CH	4	-221.99	456.0	6.99	0.01
ELE+BA	4	-221.99	456.0	7.00	0.01
VCL+ELE+DNW	5	-221.35	459.4	10.37	0.00
VCL+DNW+BA	5	-221.45	459.6	10.58	0.00
ELE+DNW+BA	5	-221.55	459.8	10.78	0.00
VCL+DNW+CH	5	-221.58	459.8	10.83	0.00
ELE+DNW+CH	5	-221.61	459.9	10.89	0.00
DNW+BA+CH	5	-221.81	460.3	11.30	0.00
VCL+ELE+CH	5	-221.85	460.4	11.38	0.00
VCL+BA+CH	5	-221.86	460.4	11.38	0.00
VCL+ELE+BA	5	-221.87	460.4	11.41	0.00

ELE+BA+CH	5	-221.99	460.6	11.65	0.00
VCL+ELE+DNW+BA	6	-221.16	464.9	15.86	0.00
VCL+ELE+DNW+CH	6	-221.35	465.2	16.20	0.00
VCL+DNW+BA+CH	6	-221.45	465.4	16.41	0.00
ELE+DNW+BA+CH	6	-221.55	465.6	16.60	0.00
VCL+ELE+BA+CH	6	-221.85	466.2	17.21	0.00
VCL+ELE+DNW+BA+CH	7	-221.17	472.3	23.36	0.00

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**Note:** df – number of model parameters, logLik – log-likelihood, AICc – Akaike information criterion corrected for small samples,  $\Delta\text{AICc}$  – difference between the AICc values of the model in question and the model with the lowest AICc, wi – model weight (Akaike).

**Supplementary Material Table S8.** Models relating predictor variables to phylogenetic diversity ( $q = 2$ ) of phyllostomid bats in a terra firme forest gradient in Northeastern Brazilian Amazon. The models were listed according to the corrected Akaike information criterion (AICc), selecting those that presented values of  $\Delta\text{AICc} < 2$  (in bold). The predictors that enter the models are distance to the nearest watercourse – DNW; elevation – ELE; canopy height – CH; basal area – BA; vegetation clutter – VCL.

Modelos	df	logLik	AICc	$\Delta\text{AICc}$	wi
<b>NULL</b>	<b>2</b>	<b>-499.81</b>	<b>1004.6</b>	<b>0.00</b>	<b>0.28</b>
DNW	3	<b>-498.79</b>	<b>1005.8</b>	<b>1.14</b>	<b>0.16</b>
CH	3	<b>-499.04</b>	<b>1006.3</b>	<b>1.64</b>	<b>0.12</b>
ELE	3	-499.25	1006.7	2.06	0.10
VCL	3	-499.69	1007.6	2.94	0.06
BA	3	-499.78	1007.7	3.13	0.06
DNW+CH	4	-498.46	1008.9	4.30	0.03
DNW+BA	4	-498.65	1009.3	4.69	0.03
ELE+CH	4	-498.74	1009.5	4.86	0.02
ELE+DNW	4	-498.78	1009.6	4.95	0.02

VCL+DNW	4	-498.79	1009.6	4.96	0.02
VCL+CH	4	-499.00	1010.0	5.39	0.02
BA+CH	4	-499.04	1010.1	5.46	0.02
VCL+ELE	4	-499.23	1010.5	5.84	0.02
ELE+BA	4	-499.24	1010.5	5.87	0.02
VCL+BA	4	-499.65	1011.3	6.69	0.01
DNW+BA+CH	5	-498.31	1013.3	8.67	0.00
VCL+DNW+CH	5	-498.45	1013.6	8.96	0.00
ELE+DNW+CH	5	-498.46	1013.6	8.96	0.00
VCL+DNW+BA	5	-498.64	1014.0	9.34	0.00
ELE+DNW+BA	5	-498.65	1014.0	9.35	0.00
ELE+BA+CH	5	-498.71	1014.1	9.47	0.00
VCL+ELE+CH	5	-498.73	1014.1	9.52	0.00
VCL+ELE+DNW	5	-498.78	1014.2	9.62	0.00
VCL+BA+CH	5	-499.00	1014.7	10.05	0.00

VCL+ELE+BA	5	-499.22	1015.1	10.50	0.00
VCL+DNW+BA+CH	6	-498.28	1019.1	14.45	0.00
ELE+DNW+BA+CH	6	-498.31	1019.1	14.50	0.00
VCL+ELE+DNW+CH	6	-498.45	1019.4	14.79	0.00
VCL+ELE+DNW+BA	6	-498.64	1019.8	15.16	0.00
VCL+ELE+BA+CH	6	-498.71	1019.9	15.30	0.00
VCL+ELE+DNW+BA+CH	7	-498.28	1026.6	21.94	0.00

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**Note:** df – number of model parameters, logLik – log-likelihood, AICc – Akaike information criterion corrected for small samples,  $\Delta\text{AICc}$  – difference between the AICc values of the model in question and the model with the lowest AICc, wi – model weight (Akaike).

**Supplementary Material Table S9.** Models relating the predictor variables with the CWM of the mean body mass of phyllostomid bats in a terra firme forest gradient in Northeastern Brazilian Amazon. The models were listed according to the corrected Akaike information criterion (AICc), selecting those that presented values of  $\Delta\text{AICc} < 2$  (in bold). The predictors that enter the models are distance to the nearest watercourse – DNW; elevation – ELE; canopy height – CH; basal area – BA; vegetation clutter – VCL.

Modelos	df	logLik	AICc	$\Delta\text{AICc}$	wi
<b>BA</b>	<b>3</b>	<b>-452.05</b>	<b>912.3</b>	<b>0.00</b>	<b>0.24</b>
VCL+BA	4	-450.62	913.2	0.95	0.15
NULL	2	<b>-454.31</b>	<b>913.6</b>	<b>1.35</b>	<b>0.12</b>
VCL	3	-453.08	914.3	2.06	0.09
BA+CH	4	-451.30	914.6	2.31	0.08
ELE+BA	4	-451.73	915.5	3.18	0.05
DNW+BA	4	-451.91	915.8	3.54	0.04
CH	3	-454.12	916.4	4.12	0.03
DNW	3	-454.18	916.5	4.25	0.03
VCL+DNW	4	-452.27	916.5	4.25	0.03

ELE	3	-454.31	916.8	4.53	0.03
VCL+BA+CH	5	-450.14	917.0	4.67	0.02
VCL+ELE+BA	5	-450.57	917.8	5.53	0.02
VCL+DNW+BA	5	-450.59	917.9	5.57	0.02
VCL+ELE	4	-452.98	918.0	5.67	0.01
VCL+CH	4	-453.01	918.0	5.73	0.01
ELE+BA+CH	5	-451.15	919.0	6.67	0.01
DNW+BA+CH	5	-451.29	919.2	6.95	0.01
DNW+CH	4	-453.76	919.5	7.23	0.01
ELE+DNW	4	-453.92	919.8	7.55	0.01
ELE+DNW+BA	5	-451.73	920.1	7.84	0.01
ELE+CH	4	-454.10	920.2	7.91	0.01
VCL+DNW+CH	5	-451.89	920.4	8.14	0.00
VCL+ELE+DNW	5	-451.97	920.6	8.33	0.00
VCL+ELE+CH	5	-452.85	922.4	10.09	0.00

VCL+DNW+BA+CH	6	-450.01	922.5	10.24	0.00
VCL+ELE+BA+CH	6	-450.14	922.8	10.49	0.00
VCL+ELE+DNW+BA	6	-450.37	923.2	10.96	0.00
ELE+DNW+CH	5	-453.47	923.6	11.32	0.00
ELE+DNW+BA+CH	6	-451.08	924.7	12.37	0.00
VCL+ELE+DNW+CH	6	-451.56	925.6	13.33	0.00
VCL+ELE+DNW+BA+CH	7	-449.76	929.5	17.24	0.00

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**Note:** df – number of model parameters, logLik – log-likelihood, AICc – Akaike information criterion corrected for small samples,  $\Delta\text{AICc}$  – difference between the AICc values of the model in question and the model with the lowest AICc, wi – model weight (Akaike).

**Supplementary Material Table S10.** Models relating predictor variables with CWM of phytophagous phyllostomid bats in a terra firme forest gradient in Northeastern Brazilian Amazon. The models were listed according to the corrected Akaike information criterion (AICc), selecting those that presented values of  $\Delta\text{AICc} < 2$  (in bold). The predictors that enter the models are distance to the nearest watercourse – DNW; elevation – ELE; canopy height – CH; basal area – BA; vegetation clutter – VCL.

Modelos	df	logLik	AICc	$\Delta\text{AICc}$	wi
<b>NULL</b>	<b>2</b>	<b>13.42</b>	<b>-21.8</b>	<b>0.00</b>	<b>0.34</b>
<b>DNW</b>	<b>3</b>	<b>14.06</b>	<b>-19.9</b>	<b>1.90</b>	<b>0.13</b>
CH	3	13.53	-18.9	2.95	0.08
VCL	3	13.44	-18.7	3.14	0.07
BA	3	13.44	-18.7	3.14	0.07
ELE	3	13.42	-18.7	3.18	0.07
ELE+DNW	4	15.10	-18.2	3.64	0.05
DNW+CH	4	14.69	-17.4	4.47	0.04
VCL+DNW	4	14.34	-16.7	5.15	0.03
DNW+BA	4	14.16	-16.3	5.52	0.02

ELE+DNW+CH	5	16.03	-15.4	6.44	0.01
BA+CH	4	13.58	-15.2	6.69	0.01
ELE+CH	4	13.54	-15.1	6.75	0.01
VCL+CH	4	13.54	-15.1	6.76	0.01
VCL+BA	4	13.46	-14.9	6.93	0.01
VCL+ELE	4	13.44	-14.9	6.96	0.01
ELE+BA	4	13.44	-14.9	6.96	0.01
VCL+ELE+DNW	5	15.48	-14.3	7.54	0.01
ELE+DNW+BA	5	15.38	-14.1	7.74	0.01
VCL+DNW+CH	5	14.97	-13.3	8.56	0.01
DNW+BA+CH	5	14.82	-13.0	8.87	0.00
VCL+DNW+BA	5	14.64	-12.6	9.21	0.00
VCL+BA+CH	5	13.58	-10.5	11.35	0.00
ELE+BA+CH	5	13.58	-10.5	11.35	0.00
VCL+ELE+CH	5	13.55	-10.4	11.39	0.00

VCL+ELE+DNW+CH	6	16.44	-10.4	11.47	0.00
ELE+DNW+BA+CH	6	16.42	-10.3	11.50	0.00
VCL+ELE+BA	5	13.46	-10.2	11.59	0.00
VCL+ELE+DNW+BA	6	16.19	-9.9	11.96	0.00
VCL+DNW+BA+CH	6	15.33	-8.2	13.67	0.00
VCL+ELE+DNW+BA+CH	7	17.35	-4.7	17.14	0.00
VCL+ELE+BA+CH	6	13.58	-4.7	17.17	0.00

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**Note:** df – number of model parameters, logLik – log-likelihood, AICc – Akaike information criterion corrected for small samples,  $\Delta\text{AICc}$  – difference between the AICc values of the model in question and the model with the lowest AICc, wi – model weight (Akaike).

**Supplementary Material Table S11.** Models relating predictor variables with CWM of animal-eating phyllostomid bats in a terra firme forest gradient in Northeastern Brazilian Amazon. The models were listed according to the corrected Akaike information criterion (AICc), selecting those that presented values of  $\Delta\text{AICc} < 2$  (in bold). The predictors that enter the models are distance to the nearest watercourse – DNW; elevation – ELE; canopy height – CH; basal area – BA; vegetation clutter – VCL.

Modelos	df	logLik	AICc	$\Delta\text{AICc}$	wi
<b>NULL</b>	<b>2</b>	<b>14.28</b>	<b>-23.6</b>	<b>0.00</b>	<b>0.32</b>
<b>CH</b>	<b>3</b>	<b>15.05</b>	<b>-21.9</b>	<b>1.63</b>	<b>0.14</b>
VCL	3	14.64	-21.1	2.46	0.09
BA	3	14.42	-20.7	2.89	0.07
DNW	3	14.40	-20.6	2.94	0.07
ELE	3	14.29	-20.4	3.15	0.07
DNW+CH	4	15.64	-19.3	4.27	0.04
BA+CH	4	15.40	-18.8	4.76	0.03
VCL+CH	4	15.26	-18.5	5.03	0.03
ELE+CH	4	15.07	-18.1	5.42	0.02

VCL+DNW	4	15.02	-18.0	5.51	0.02
ELE+DNW	4	14.81	-17.6	5.94	0.02
VCL+BA	4	14.76	-17.5	6.03	0.02
VCL+ELE	4	14.64	-17.3	6.27	0.01
ELE+BA	4	14.49	-17.0	6.58	0.01
DNW+BA	4	14.46	-16.9	6.64	0.01
VCL+DNW+CH	5	16.24	-15.8	7.74	0.01
ELE+DNW+CH	5	16.16	-15.6	7.90	0.01
DNW+BA+CH	5	15.73	-14.8	8.77	0.00
VCL+BA+CH	5	15.56	-14.5	9.10	0.00
VCL+ELE+DNW	5	15.44	-14.2	9.33	0.00
ELE+BA+CH	5	15.40	-14.1	9.43	0.00
VCL+ELE+CH	5	15.32	-14.0	9.58	0.00
VCL+DNW+BA	5	15.03	-13.4	10.17	0.00
ELE+DNW+BA	5	14.84	-13.0	10.53	0.00

VCL+ELE+BA	5	14.77	-12.9	10.69	0.00
VCL+ELE+DNW+CH	6	16.77	-11.0	12.52	0.00
VCL+DNW+BA+CH	6	16.25	-10.0	13.56	0.00
ELE+DNW+BA+CH	6	16.21	-9.9	13.63	0.00
VCL+ELE+BA+CH	6	15.57	-8.6	14.92	0.00
VCL+ELE+DNW+BA	6	15.45	-8.4	15.16	0.00
VCL+ELE+DNW+BA+CH	7	16.77	-3.5	20.02	0.00

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**Note:** df – number of model parameters, logLik – log-likelihood, AICc – Akaike information criterion corrected for small samples,  $\Delta\text{AICc}$  – difference between the AICc values of the model in question and the model with the lowest AICc, wi – model weight (Akaike).

**Supplementary Material Table S12.** Models relating the predictor variables with the CWM of the relative aspect of the wing of phyllostomid bats in a terra firme forest gradient in Northeastern Brazilian Amazon. The models were listed according to the corrected Akaike information criterion (AICc), selecting those that presented values of  $\Delta\text{AICc} < 2$  (in bold). The predictors that enter the models are distance to the nearest watercourse – DNW; elevation – ELE; canopy height – CH; basal area – BA; vegetation clutter – VCL.

<b>Modelos</b>	<b>df</b>	<b>logLik</b>	<b>AICc</b>	<b><math>\Delta\text{AICc}</math></b>	<b>wi</b>
<b>NULL</b>	<b>2</b>	<b>3.31</b>	<b>-1.6</b>	<b>0.00</b>	<b>0.37</b>
CH	3	3.75	0.7	2.31	0.12
BA	3	3.49	1.2	2.83	0.09
VCL	3	3.46	1.3	2.89	0.09
DNW	3	3.36	1.5	3.09	0.08
ELE	3	3.34	1.6	3.17	0.08
BA+CH	4	3.84	4.3	5.93	0.02
ELE+CH	4	3.83	4.3	5.96	0.02
VCL+CH	4	3.82	4.4	5.98	0.02
DNW+CH	4	3.75	4.5	6.12	0.02

VCL+BA	4	3.66	4.7	6.30	0.02
ELE+BA	4	3.53	4.9	6.55	0.01
ELE+DNW	4	3.51	5.0	6.59	0.01
VCL+ELE	4	3.50	5.0	6.62	0.01
DNW+BA	4	3.49	5.0	6.65	0.01
VCL+DNW	4	3.46	5.1	6.69	0.01
ELE+BA+CH	5	3.99	8.7	10.31	0.00
VCL+ELE+CH	5	3.95	8.8	10.38	0.00
VCL+BA+CH	5	3.93	8.8	10.42	0.00
ELE+DNW+CH	5	3.91	8.9	10.47	0.00
DNW+BA+CH	5	3.87	8.9	10.54	0.00
VCL+DNW+CH	5	3.83	9.0	10.62	0.00
VCL+ELE+BA	5	3.82	9.1	10.67	0.00
VCL+DNW+BA	5	3.69	9.3	10.90	0.00
VCL+ELE+DNW	5	3.63	9.4	11.02	0.00

ELE+DNW+BA	5	3.62	9.4	11.05	0.00
VCL+ELE+BA+CH	6	4.18	14.1	15.76	0.00
VCL+DNW+BA+CH	6	4.04	14.4	16.03	0.00
ELE+DNW+BA+CH	6	4.01	14.5	16.10	0.00
VCL+ELE+DNW+CH	6	3.99	14.5	16.12	0.00
VCL+ELE+DNW+BA	6	3.83	14.8	16.46	0.00
VCL+ELE+DNW+BA+CH	7	4.18	21.6	23.25	0.00

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**Note:** df – number of model parameters, logLik – log-likelihood, AICc – Akaike information criterion corrected for small samples,  $\Delta\text{AICc}$  – difference between the AICc values of the model in question and the model with the lowest AICc, wi – model weight (Akaike).

**Supplementary Material Table S13.** Models relating the predictor variables with the CWM of the relative load of phyllostomid bat wings in a terra firme forest gradient in Northeastern Brazilian Amazon. The models were listed according to the corrected Akaike information criterion (AICc), selecting those that presented values of  $\Delta\text{AICc} < 2$  (in bold). The predictors that enter the models are distance to the nearest watercourse – DNW; elevation – ELE; canopy height – CH; basal area – BA; vegetation clutter – VCL.

Modelos	df	logLik	AICc	$\Delta\text{AICc}$	wi
<b>NULL</b>	<b>2</b>	<b>7.40</b>	<b>-9.8</b>	<b>0.00</b>	<b>0.34</b>
VCL	3	7.84	-7.5	2.30	0.11
DNW	3	7.78	-7.4	2.41	0.10
BA	3	7.63	-7.1	2.71	0.09
CH	3	7.45	-6.7	3.08	0.07
ELE	3	7.40	-6.6	3.18	0.07
VCL+DNW	4	8.77	-5.5	4.25	0.04
ELE+DNW	4	8.33	-4.7	5.14	0.03
VCL+BA	4	8.05	-4.1	5.70	0.02
DNW+CH	4	8.03	-4.1	5.74	0.02

VCL+ ELE	4	7.89	-3.8	6.01	0.02
VCL+CH	4	7.85	-3.7	6.10	0.02
DNW+BA	4	7.83	-3.7	6.13	0.02
BA+CH	4	7.74	-3.5	6.32	0.01
ELE+BA	4	7.65	-3.3	6.50	0.01
ELE+CH	4	7.45	-2.9	6.89	0.01
VCL+ELE+DNW	5	9.35	-2.0	7.76	0.01
VCL+DNW+CH	5	8.98	-1.3	8.51	0.01
VCL+DNW+BA	5	8.77	-0.9	8.92	0.00
ELE+DNW+CH	5	8.61	-0.5	9.25	0.00
ELE+DNW+BA	5	8.35	0.0	9.76	0.00
DNW+BA+CH	5	8.09	0.5	10.28	0.00
VCL+BA+CH	5	8.09	0.5	10.29	0.00
VCL+ELE+BA	5	8.06	0.6	10.35	0.00
VCL+ELE+CH	5	7.92	0.8	10.62	0.00

ELE+BA+CH	5	7.74	1.2	10.98	0.00
VCL+ELE+DNW+CH	6	9.59	3.3	13.11	0.00
VCL+ELE+DNW+BA	6	9.37	3.8	13.56	0.00
VCL+DNW+BA+CH	6	8.98	4.5	14.34	0.00
ELE+DNW+BA+CH	6	8.64	5.2	15.02	0.00
VCL+ELE+BA+CH	6	8.10	6.3	16.09	0.00
VCL+ELE+DNW+BA+CH	7	9.60	10.8	20.59	0.00

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**Note:** df – number of model parameters, logLik – log-likelihood, AICc – Akaike information criterion corrected for small samples,  $\Delta\text{AICc}$  – difference between the AICc values of the model in question and the model with the lowest AICc, wi – model weight (Akaike).