

Table S4. The results of multi-model inference comparison for GLM models containing various combinations of variables based on AIC values for Mount Cameroon Francolin group size during the year 2022.

Model	Intercept	Cut <i>Prunus</i>	<i>Eliminia</i> trees	Elevation	Human activities	<i>Macaranga</i> trees	<i>Prunus</i> abundance	<i>Syzigium</i> trees	Human traps	d.f.	logLik	AICc	Delta	Weight
133	-5.64			0.003					+	3	-31.84	70.20	0.00	0.055
135	-8.79		+	0.004					+	4	-31.08	71.00	0.83	0.036
165	-6.67			0.003			-0.18		+	4	-31.26	71.40	1.20	0.030
5	-6.93			0.003						2	-33.62	71.50	1.31	0.028
151	-7.78		+	0.003		+			+	5	-30.28	71.90	1.69	0.023
149	-4.66			0.002		+			+	4	-31.62	72.10	1.91	0.021
7	-10.26		+	0.005						3	-32.81	72.10	1.94	0.021
134	-6.08	-0.08		0.003					+	4	-31.71	72.30	2.09	0.019
143	-10.01		+	0.005	+				+	5	-30.49	72.30	2.11	0.019
197	-5.40			0.002				+	+	4	-31.75	72.30	2.17	0.018
15	-11.45		+	0.005	+					4	-31.76	72.40	2.19	0.018
141	-5.63			0.003	+				+	4	-31.84	72.50	2.35	0.017
166	-8.47	-0.18		0.004			-0.30		+	5	-30.63	72.60	2.39	0.017
23	-8.65		+	0.004		+				4	-31.86	72.60	2.39	0.017
229	-6.68			0.003			-0.30	+	+	5	-30.67	72.60	2.47	0.016
167	-8.96		+	0.004			-0.13		+	5	-30.77	72.90	2.68	0.014
21	-5.30			0.002		+				3	-33.18	72.90	2.69	0.014
145	-0.52					+			+	3	-33.23	73.00	2.79	0.014
136	-9.67	-0.10	+	0.004					+	5	-30.85	73.00	2.84	0.013
37	-7.55			0.004			-0.13			3	-33.28	73.10	2.89	0.013
199	-8.67		+	0.004				+	+	5	-30.92	73.10	2.96	0.012
6	-7.43	-0.11		0.003						3	-33.35	73.20	3.02	0.012
31	-9.93		+	0.005	+	+				5	-30.98	73.30	3.10	0.012

181	-5.68			0.003		+	-0.19		+	5	-30.99	73.30	3.10	0.012
159	-8.90		+	0.004	+	+			+	6	-29.80	73.50	3.29	0.011
69	-6.70			0.003					+	3	-33.49	73.50	3.30	0.011
13	-6.62			0.003	+					3	-33.52	73.50	3.37	0.010
8	-11.27	-0.14	+	0.005						4	-32.40	73.60	3.47	0.010
173	-6.56			0.003	+		-0.20		+	5	-31.21	73.70	3.56	0.009
183	-8.04		+	0.004		+	-0.12		+	6	-30.02	73.90	3.74	0.008
152	-8.68	-0.10	+	0.004		+			+	6	-30.05	74.00	3.80	0.008
175	-10.32		+	0.005	+		-0.17		+	6	-30.07	74.00	3.83	0.008
71	-10.17		+	0.005					+	4	-32.59	74.00	3.85	0.008
38	-8.93	-0.18		0.004			-0.22			4	-32.60	74.00	3.88	0.008
215	-7.60		+	0.003		+			+	6	-30.10	74.10	3.89	0.008
47	-11.65		+	0.006	+		-0.15			5	-31.40	74.10	3.92	0.008
24	-9.74	-0.14	+	0.004		+				5	-31.41	74.10	3.95	0.008
168	-10.80	-0.18	+	0.005			-0.24		+	6	-30.14	74.10	3.97	0.007
39	-10.31		+	0.005			-0.09			4	-32.66	74.20	4.00	0.007
101	-7.53			0.004			-0.25		+	4	-32.70	74.30	4.08	0.007
231	-8.95		+	0.004			-0.25		+	6	-30.20	74.30	4.08	0.007
209	-0.69					+			+	4	-32.72	74.30	4.11	0.007
150	-5.10	-0.07		0.002		+			+	5	-31.50	74.30	4.14	0.007
213	-4.43			0.002		+			+	5	-31.53	74.40	4.19	0.007
230	-8.08	-0.14		0.004			-0.37		+	6	-30.29	74.50	4.28	0.006
157	-4.68			0.002	+	+			+	5	-31.59	74.50	4.31	0.006
87	-8.45		+	0.004		+			+	5	-31.60	74.50	4.34	0.006
53	-5.97			0.003		+	-0.13			4	-32.83	74.50	4.34	0.006
16	-11.85	-0.07	+	0.006	+					5	-31.65	74.60	4.44	0.006
182	-7.50	-0.17		0.004		+	-0.31		+	6	-30.37	74.60	4.44	0.006
245	-5.67			0.003		+	-0.32		+	6	-30.39	74.60	4.46	0.006
198	-5.84	-0.06		0.003					+	5	-31.68	74.70	4.48	0.006

142	-6.22	-0.08		0.003	+			+	5	-31.70	74.70	4.52	0.006
79	-11.29		+	0.005	+			+	5	-31.70	74.70	4.53	0.006
207	-9.81		+	0.004	+			+	6	-30.42	74.70	4.53	0.006
144	-10.34	-0.05	+	0.005	+			+	6	-30.43	74.70	4.56	0.006
22	-5.82	-0.10		0.003			+		4	-32.95	74.70	4.57	0.006
205	-5.44			0.002	+			+	5	-31.75	74.80	4.62	0.005
55	-8.79		+	0.004			+	-0.07	5	-31.75	74.80	4.63	0.005
17	-0.59						+		2	-35.31	74.90	4.70	0.005
45	-7.21			0.003	+			-0.17	4	-33.02	74.90	4.72	0.005
85	-5.03			0.002			+	+	4	-33.05	74.90	4.77	0.005
193	-0.97							+	3	-34.25	75.00	4.83	0.005
129	-0.75								2	-35.42	75.10	4.91	0.005
174	-8.47	-0.18		0.004	+			-0.30	6	-30.63	75.10	4.95	0.005
147	-0.57		+				+		4	-33.14	75.10	4.96	0.005
40	-11.95	-0.19	+	0.006				-0.18	5	-31.92	75.20	4.98	0.005
146	-0.59	0.06					+		4	-33.16	75.20	4.99	0.004
29	-5.28			0.002	+		+		4	-33.17	75.20	5.02	0.004
237	-6.64			0.003	+			-0.31	6	-30.67	75.20	5.02	0.004
63	-10.28		+	0.005	+		+	-0.14	6	-30.69	75.20	5.07	0.004
153	-0.55						+		4	-33.22	75.30	5.12	0.004
177	-0.53						+	0.00	4	-33.23	75.30	5.14	0.004
184	-9.92	-0.17	+	0.005			+	-0.23	7	-29.42	75.40	5.22	0.004
191	-9.31		+	0.004	+		+	-0.16	7	-29.43	75.40	5.24	0.004
247	-8.00		+	0.004			+	-0.24	7	-29.44	75.40	5.25	0.004
103	-10.29		+	0.005				-0.20	5	-32.08	75.50	5.29	0.004
200	-9.37	-0.08	+	0.004				+	6	-30.81	75.50	5.31	0.004
70	-7.23	-0.10		0.003				+	4	-33.32	75.50	5.31	0.004
14	-7.22	-0.10		0.003	+				4	-33.32	75.50	5.33	0.004
32	-10.40	-0.09	+	0.005	+		+		6	-30.83	75.50	5.35	0.004

95	-9.67		+	0.004	+	+		+	6	-30.89	75.60	5.48	0.004
54	-7.42	-0.18		0.004		+	-0.22		5	-32.20	75.70	5.53	0.003
77	-6.48			0.003	+			+	4	-33.43	75.70	5.54	0.003
81	-0.79					+		+	3	-34.61	75.70	5.54	0.003
117	-5.91			0.003		+	-0.25	+	5	-32.24	75.80	5.61	0.003
189	-5.69			0.003	+	+	-0.19		6	-30.98	75.80	5.66	0.003
102	-8.60	-0.15		0.004			-0.29	+	5	-32.28	75.90	5.70	0.003
56	-10.56	-0.19	+	0.005		+	-0.16		6	-31.01	75.90	5.71	0.003
223	-8.63		+	0.004	+	+		+	7	-29.70	75.90	5.78	0.003
160	-9.28	-0.06	+	0.004	+	+			7	-29.72	76.00	5.82	0.003
72	-11.02	-0.11	+	0.005				+	5	-32.35	76.00	5.83	0.003
239	-9.97		+	0.005	+		-0.24	+	7	-29.76	76.10	5.90	0.003
48	-12.49	-0.12	+	0.006	+		-0.21		6	-31.11	76.10	5.91	0.003
131	-0.57		+						3	-34.80	76.10	5.92	0.003
176	-11.26	-0.13	+	0.006	+		-0.24		7	-29.79	76.10	5.96	0.003
111	-11.37		+	0.005	+		-0.21	+	6	-31.15	76.20	6.00	0.003
211	-0.83		+			+		+	5	-32.44	76.20	6.00	0.003
119	-8.73		+	0.004		+	-0.19	+	6	-31.16	76.20	6.01	0.003
232	-10.29	-0.14	+	0.005			-0.31	+	7	-29.84	76.20	6.06	0.003
241	-0.55					+	-0.12	+	5	-32.50	76.30	6.12	0.003
46	-8.57	-0.16		0.004	+		-0.24		5	-32.51	76.30	6.15	0.003
137	-0.55				+				3	-34.92	76.30	6.18	0.002
109	-7.24			0.003	+		-0.26	+	5	-32.56	76.40	6.26	0.002
130	-0.88	0.13							3	-34.98	76.50	6.28	0.002
194	-1.11	0.14						+	4	-33.82	76.50	6.32	0.002
210	-0.79	0.07				+		+	5	-32.61	76.50	6.35	0.002
216	-8.30	-0.08	+	0.004		+		+	7	-29.99	76.50	6.35	0.002
88	-9.39	-0.12	+	0.004		+		+	6	-31.35	76.60	6.38	0.002
246	-7.06	-0.14		0.004		+	-0.38	+	7	-30.02	76.60	6.40	0.002

217	-0.77				+	+			+	+	5	-32.65	76.60	6.43	0.002
161	-0.92						0.10			+	3	-35.07	76.60	6.47	0.002
158	-5.27	-0.09		0.002	+	+				+	6	-31.42	76.70	6.54	0.002
61	-6.03			0.003	+	+	-0.16				5	-32.74	76.80	6.60	0.002
214	-4.85	-0.06		0.002		+			+	+	6	-31.47	76.80	6.64	0.002
221	-4.43			0.002	+	+			+	+	6	-31.48	76.80	6.65	0.002
195	-0.83		+						+	+	4	-34.09	77.00	6.86	0.002
49	-0.67					+	0.04				3	-35.27	77.00	6.86	0.002
25	-0.55				+	+					3	-35.28	77.10	6.88	0.002
19	-0.62		+			+					3	-35.30	77.10	6.92	0.002
18	-0.63	0.03				+					3	-35.30	77.10	6.93	0.002
201	-0.83				+				+	+	4	-34.13	77.10	6.93	0.002
86	-5.56	-0.09		0.003		+			+		5	-32.91	77.10	6.94	0.002
238	-8.19	-0.14		0.004	+		-0.37		+	+	7	-30.29	77.10	6.95	0.002
80	-11.67	-0.06	+	0.005	+				+		6	-31.64	77.10	6.97	0.002
104	-11.49	-0.15	+	0.006			-0.24		+		6	-31.65	77.20	7.00	0.002
30	-5.86	-0.11		0.003	+	+					5	-32.94	77.20	7.02	0.002
206	-5.97	-0.07		0.003	+				+	+	6	-31.66	77.20	7.02	0.002
64	-11.21	-0.14	+	0.006	+	+	-0.19				7	-30.34	77.20	7.05	0.002
190	-7.62	-0.19		0.004	+	+	-0.30			+	7	-30.34	77.20	7.06	0.002
253	-5.66			0.003	+	+	-0.31		+	+	7	-30.37	77.30	7.11	0.002
225	-0.95						-0.02		+	+	4	-34.25	77.30	7.17	0.002
208	-10.07	-0.04	+	0.005	+				+	+	7	-30.40	77.30	7.17	0.002
127	-9.93		+	0.005	+	+	-0.20		+		7	-30.41	77.40	7.18	0.002
148	-0.66	0.07	+			+				+	5	-33.03	77.40	7.19	0.001
93	-5.03			0.002	+	+			+		5	-33.05	77.40	7.22	0.001
179	-0.66		+			+	0.04			+	5	-33.11	77.50	7.35	0.001
255	-8.92		+	0.004	+	+	-0.23		+	+	8	-29.10	77.50	7.37	0.001
155	-0.55		+		+	+				+	5	-33.12	77.50	7.38	0.001

118	-7.00	-0.14		0.003		+	-0.30	+		6	-31.85	77.60	7.39	0.001
248	-9.36	-0.13	+	0.005		+	-0.30	+	+	8	-29.11	77.60	7.39	0.001
154	-0.60	0.05			+	+			+	5	-33.15	77.60	7.44	0.001
178	-0.60	0.06				+	0.00		+	5	-33.16	77.60	7.45	0.001
192	-10.32	-0.13	+	0.005	+	+	-0.22		+	8	-29.14	77.60	7.46	0.001
185	-0.57				+	+	0.01		+	5	-33.22	77.70	7.57	0.001
83	-0.89		+			+			+	4	-34.45	77.80	7.59	0.001
113	-0.70					+	-0.08		+	4	-34.50	77.90	7.69	0.001
78	-7.05	-0.09		0.003	+				+	5	-33.30	77.90	7.73	0.001
138	-0.69	0.13			+				+	4	-34.53	77.90	7.74	0.001
120	-10.03	-0.16	+	0.005		+	-0.23		+	7	-30.72	78.00	7.81	0.001
82	-0.85	0.05				+			+	4	-34.57	78.00	7.81	0.001
89	-0.80				+	+			+	4	-34.61	78.10	7.89	0.001
132	-0.69	0.09	+						+	4	-34.61	78.10	7.91	0.001
96	-10.14	-0.08	+	0.005	+	+			+	7	-30.79	78.10	7.96	0.001
62	-7.37	-0.17		0.004	+	+	-0.23			6	-32.19	78.20	8.07	0.001
162	-1.03	0.12					0.09		+	4	-34.71	78.30	8.10	0.001
125	-5.92			0.003	+	+	-0.26		+	6	-32.21	78.30	8.12	0.001
110	-8.32	-0.14		0.004	+		-0.30		+	6	-32.23	78.30	8.16	0.001
212	-0.98	0.10	+			+			+	6	-32.24	78.30	8.17	0.001
163	-0.66		+				0.04		+	4	-34.77	78.40	8.21	0.001
139	-0.55		+		+				+	4	-34.78	78.40	8.23	0.001
112	-12.06	-0.10	+	0.006	+		-0.25		+	7	-30.98	78.50	8.33	0.001
169	-0.69					+	0.06		+	4	-34.83	78.50	8.34	0.001
240	-10.70	-0.10	+	0.005	+		-0.29		+	8	-29.61	78.60	8.39	0.001
243	-0.70		+			+	-0.08		+	6	-32.35	78.60	8.39	0.001
242	-0.64	0.07				+	-0.12		+	6	-32.38	78.60	8.46	0.001
224	-8.93	-0.04	+	0.004	+	+			+	8	-29.67	78.70	8.52	0.001
219	-0.81		+		+	+			+	6	-32.43	78.70	8.55	0.001

202	-0.98	0.14			+			+	+	5	-33.71	78.70	8.56	0.001
249	-0.63				+	+	-0.11	+	+	6	-32.45	78.80	8.60	0.001
196	-1.03	0.12	+					+	+	5	-33.79	78.90	8.70	0.001
226	-1.08	0.14					-0.04	+	+	5	-33.80	78.90	8.73	0.001
218	-0.84	0.06			+	+		+	+	6	-32.56	79.00	8.82	0.001
27	-0.55		+		+	+				4	-35.16	79.20	9.00	0.001
254	-7.25	-0.15		0.004	+	+	-0.38	+	+	8	-29.94	79.20	9.05	0.001
51	-0.76		+			+	0.06			4	-35.20	79.30	9.08	0.001
227	-0.70		+				-0.08	+	+	5	-34.00	79.30	9.14	0.001
222	-4.98	-0.07		0.002	+	+		+	+	7	-31.38	79.30	9.14	0.001
50	-0.71	0.03				+	0.04			4	-35.25	79.30	9.18	0.001
26	-0.58	0.04			+	+				4	-35.25	79.30	9.18	0.001
57	-0.62				+	+	0.03			4	-35.25	79.40	9.18	0.001
20	-0.65	0.03	+			+				4	-35.28	79.40	9.24	0.001
203	-0.81		+		+			+	+	5	-34.08	79.50	9.29	0.001
233	-0.77				+		-0.04	+	+	5	-34.10	79.50	9.33	0.001
94	-5.59	-0.09		0.003	+	+		+		6	-32.90	79.70	9.49	0.000
128	-10.69	-0.11	+	0.005	+	+	-0.23	+		8	-30.19	79.70	9.56	0.000
156	-0.64	0.09	+		+	+			+	6	-32.96	79.80	9.61	0.000
180	-0.77	0.07	+			+	0.04		+	6	-32.99	79.80	9.67	0.000
187	-0.63		+		+	+	0.04		+	6	-33.09	80.00	9.88	0.000
91	-0.83		+		+	+		+		5	-34.38	80.10	9.89	0.000
84	-0.98	0.06	+			+		+		5	-34.39	80.10	9.92	0.000
115	-0.81		+			+	-0.05	+		5	-34.42	80.10	9.96	0.000
256	-9.72	-0.10	+	0.005	+	+	-0.28	+	+	9	-28.93	80.10	9.97	0.000
186	-0.62	0.05			+	+	0.01		+	6	-33.15	80.20	10.00	0.000
170	-0.81	0.12			+		0.05		+	5	-34.46	80.20	10.06	0.000
114	-0.76	0.04				+	-0.08	+		5	-34.46	80.20	10.06	0.000
126	-6.99	-0.14		0.003	+	+	-0.30	+		7	-31.85	80.20	10.07	0.000

121	-0.69			+	+	-0.08	+		5	-34.50	80.30	10.14	0.000
140	-0.67	0.11	+		+			+	5	-34.52	80.30	10.16	0.000
164	-0.81	0.09	+			0.05		+	5	-34.56	80.40	10.26	0.000
90	-0.85	0.05		+	+		+		5	-34.57	80.40	10.26	0.000
171	-0.63		+	+		0.04		+	5	-34.75	80.80	10.62	0.000
244	-0.86	0.09	+		+	-0.07	+	+	7	-32.17	80.90	10.70	0.000
220	-0.96	0.12	+	+	+		+	+	7	-32.18	80.90	10.73	0.000
234	-0.91	0.14		+		-0.06	+	+	6	-33.67	81.20	11.02	0.000
251	-0.69		+	+	+	-0.08	+	+	7	-32.35	81.20	11.07	0.000
250	-0.70	0.07		+	+	-0.12	+	+	7	-32.35	81.30	11.08	0.000
204	-1.00	0.14	+	+			+	+	6	-33.71	81.30	11.11	0.000
228	-0.91	0.12	+			-0.07	+	+	6	-33.72	81.30	11.14	0.000
59	-0.69		+	+	+	0.06			5	-35.08	81.50	11.30	0.000
28	-0.61	0.06	+	+	+				5	-35.09	81.50	11.32	0.000
52	-0.81	0.03	+		+	0.07			5	-35.18	81.70	11.48	0.000
58	-0.66	0.04		+	+	0.03			5	-35.22	81.80	11.58	0.000
3	-0.65		+						2	-38.80	81.80	11.68	0.000
235	-0.69		+	+		-0.08	+	+	6	-34.00	81.90	11.70	0.000
9	-0.55			+					2	-38.90	82.10	11.88	0.000
67	-0.94		+					+	3	-37.84	82.20	12.00	0.000
73	-0.88			+			+		3	-37.92	82.30	12.17	0.000
188	-0.76	0.10	+	+	+	0.05		+	7	-32.91	82.40	12.20	0.000
92	-0.93	0.08	+	+	+		+		6	-34.27	82.40	12.23	0.000
65	-1.41						+		2	-39.08	82.40	12.24	0.000
123	-0.76		+	+	+	-0.05	+		6	-34.35	82.60	12.39	0.000
116	-0.90	0.05	+		+	-0.05	+		6	-34.36	82.60	12.41	0.000
122	-0.74	0.05		+	+	-0.08	+		6	-34.46	82.80	12.62	0.000
172	-0.80	0.12	+	+		0.05		+	6	-34.46	82.80	12.62	0.000
66	-1.60	0.20					+		3	-38.19	82.90	12.71	0.000



10	-0.75	0.18		+					3	-38.24	83.00	12.82	0.000
74	-1.10	0.19		+				+	4	-37.23	83.30	13.13	0.000
11	-0.55		+	+					3	-38.51	83.50	13.35	0.000
252	-0.86	0.11	+	+	+	-0.06	+	+	8	-32.13	83.60	13.43	0.000
4	-0.78	0.09	+						3	-38.60	83.70	13.53	0.000
35	-0.84		+			0.08			3	-38.63	83.80	13.59	0.000
41	-0.80			+		0.10			3	-38.66	83.80	13.65	0.000
68	-1.15	0.13	+					+	4	-37.50	83.90	13.68	0.000
236	-0.90	0.14	+	+		-0.06	+	+	7	-33.67	83.90	13.70	0.000
60	-0.76	0.07	+	+	+	0.06			6	-35.01	83.90	13.71	0.000
75	-0.84		+	+				+	4	-37.68	84.20	14.03	0.000
33	-1.42					0.22			2	-39.99	84.20	14.04	0.000
97	-1.47					0.09	+		3	-38.95	84.40	14.22	0.000
99	-0.90		+			-0.03	+		4	-37.82	84.50	14.33	0.000
105	-0.90			+		0.01	+		4	-37.92	84.70	14.52	0.000
42	-0.96	0.17		+		0.09			4	-38.05	84.90	14.77	0.000
124	-0.86	0.08	+	+	+	-0.04	+		7	-34.25	85.00	14.87	0.000
12	-0.71	0.14	+	+					4	-38.12	85.10	14.92	0.000
98	-1.64	0.20				0.06	+		4	-38.12	85.10	14.92	0.000
34	-1.56	0.18				0.20			3	-39.30	85.10	14.92	0.000
1	-1.12								1	-41.67	85.40	15.25	0.000
2	-1.30	0.20							2	-40.65	85.50	15.37	0.000
43	-0.72		+	+		0.07			4	-38.40	85.60	15.47	0.000
36	-1.00	0.10	+			0.09			4	-38.40	85.60	15.47	0.000
76	-1.06	0.17	+	+				+	5	-37.19	85.70	15.51	0.000
106	-1.10	0.19		+		0.00	+		5	-37.23	85.80	15.59	0.000
100	-1.11	0.13	+			-0.02	+		5	-37.49	86.30	16.12	0.000
107	-0.80		+	+		-0.03	+		5	-37.66	86.60	16.46	0.000
44	-0.90	0.15	+	+		0.08			5	-37.99	87.30	17.11	0.000

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108	-1.03	0.17	+	+	-0.02	+	6	-37.18	88.20	18.06	0.000
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