

Table S3. The results of multi-model inference comparison for GLM models containing various combinations of variables based on AIC values for Mount Cameroon Francolin occurrence 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
6	-12.24	-0.78		0.006						3	-16.20	38.90	0.00	0.068
8	-17.99	-0.84	+	0.009						4	-15.47	39.80	0.90	0.043
134	-11.34	-0.70		0.006					+	4	-15.60	40.10	1.16	0.038
38	-14.69	-0.87		0.008			-0.28			4	-15.79	40.40	1.54	0.032
70	-11.16	-0.74		0.005				+		4	-15.90	40.70	1.77	0.028
102	-15.45	-0.99		0.008			-0.67	+		5	-14.79	40.90	1.99	0.025
136	-17.06	-0.76	+	0.008					+	5	-14.88	41.10	2.18	0.023
166	-15.45	-0.83		0.008			-0.41		+	5	-14.89	41.10	2.20	0.023
22	-13.29	-0.79		0.007		+				4	-16.15	41.10	2.25	0.022
14	-12.73	-0.80		0.006	+					4	-16.17	41.20	2.30	0.022
5	-9.05			0.004						2	-18.54	41.30	2.44	0.020
230	-17.05	-0.97		0.009			-0.90	+	+	6	-13.80	41.50	2.58	0.019
72	-17.11	-0.77	+	0.008				+		5	-15.10	41.50	2.61	0.018
16	-19.08	-0.78	+	0.009	+					5	-15.17	41.60	2.75	0.017
133	-7.92			0.004					+	3	-17.57	41.60	2.76	0.017
40	-19.06	-0.90	+	0.010			-0.21			5	-15.26	41.80	2.94	0.016
69	-8.07			0.003				+		3	-17.72	41.90	3.04	0.015
198	-10.18	-0.66		0.005				+	+	5	-15.35	42.00	3.12	0.014
24	-17.60	-0.85	+	0.009		+				5	-15.43	42.20	3.26	0.013
142	-12.49	-0.74		0.006	+				+	5	-15.48	42.30	3.37	0.013
150	-12.70	-0.71		0.006		+			+	5	-15.50	42.30	3.41	0.012
197	-6.76			0.003				+	+	4	-16.87	42.60	3.71	0.011
104	-19.18	-0.96	+	0.010			-0.56	+		6	-14.37	42.60	3.71	0.011

193	-1.57							+	+	3	-18.11	42.70	3.83	0.010
7	-12.68		+	0.006						3	-18.12	42.70	3.85	0.010
168	-19.08	-0.85	+	0.010			-0.33		+	6	-14.46	42.80	3.89	0.010
54	-15.49	-0.88		0.008		+	-0.27			5	-15.75	42.80	3.92	0.010
46	-14.71	-0.87		0.008		+	-0.28			5	-15.79	42.90	3.99	0.009
71	-12.90		+	0.006					+	4	-17.05	42.90	4.05	0.009
200	-16.13	-0.70	+	0.008					+	6	-14.57	43.00	4.11	0.009
78	-11.82	-0.77		0.006		+			+	5	-15.85	43.00	4.12	0.009
86	-12.21	-0.74		0.006		+			+	5	-15.86	43.00	4.12	0.009
135	-11.57		+	0.005						4	-17.14	43.10	4.24	0.008
15	-14.78		+	0.007		+				4	-17.23	43.30	4.41	0.008
144	-17.96	-0.74	+	0.009		+				6	-14.75	43.40	4.47	0.007
118	-16.02	-0.99		0.008		+	-0.66		+	6	-14.77	43.40	4.51	0.007
13	-8.49			0.004		+				3	-18.46	43.40	4.52	0.007
110	-15.48	-0.99		0.008		+	-0.67		+	6	-14.79	43.40	4.55	0.007
182	-16.44	-0.83		0.009		+	-0.40			6	-14.83	43.50	4.62	0.007
232	-19.84	-0.95	+	0.010			-0.78		+	7	-13.49	43.50	4.63	0.007
80	-18.29	-0.72	+	0.009		+			+	6	-14.83	43.50	4.64	0.007
21	-9.72			0.004		+				3	-18.52	43.50	4.64	0.007
174	-16.14	-0.85		0.009		+	-0.40			6	-14.84	43.50	4.65	0.007
37	-9.24			0.004			-0.03			3	-18.54	43.60	4.68	0.007
30	-13.37	-0.80		0.007		+			+	5	-16.14	43.60	4.69	0.007
101	-9.12			0.004			-0.27		+	4	-17.38	43.60	4.71	0.006
152	-16.86	-0.77	+	0.008		+				6	-14.87	43.60	4.72	0.006
48	-20.39	-0.85	+	0.010		+	-0.24			6	-14.91	43.70	4.79	0.006
199	-11.50		+	0.005					+	5	-16.23	43.80	4.87	0.006
165	-8.63			0.004			-0.10			4	-17.51	43.90	4.98	0.006
149	-8.85			0.004		+				4	-17.52	43.90	4.99	0.006
88	-16.62	-0.78	+	0.008		+			+	6	-15.05	44.00	5.07	0.005

141	-7.84			0.004	+			+	4	-17.57	44.00	5.10	0.005	
238	-17.75	-0.98		0.010	+		-0.89	+	+	7	-13.74	44.00	5.13	0.005
229	-8.49			0.004			-0.35	+	+	5	-16.38	44.10	5.16	0.005
246	-17.82	-0.97		0.010		+	-0.89	+	+	7	-13.76	44.10	5.17	0.005
79	-14.89		+	0.007	+			+		5	-16.41	44.10	5.22	0.005
32	-18.74	-0.79	+	0.009	+	+				6	-15.14	44.10	5.26	0.005
85	-8.97			0.004		+		+		4	-17.68	44.20	5.32	0.005
206	-11.43	-0.69		0.005	+			+	+	6	-15.20	44.30	5.37	0.005
77	-7.90			0.003	+			+		4	-17.71	44.30	5.38	0.005
56	-18.73	-0.90	+	0.009		+	-0.20			6	-15.23	44.30	5.43	0.005
214	-11.57	-0.66		0.006		+		+	+	6	-15.25	44.40	5.48	0.004
143	-13.56		+	0.006	+				+	5	-16.62	44.60	5.66	0.004
194	-1.42	-0.23						+	+	4	-17.89	44.60	5.74	0.004
209	-1.39					+		+	+	4	-17.93	44.70	5.81	0.004
112	-20.50	-0.91	+	0.011	+		-0.55	+		7	-14.08	44.70	5.82	0.004
129	-1.10								+	2	-20.24	44.70	5.84	0.004
158	-13.08	-0.73		0.006	+	+			+	6	-15.44	44.80	5.86	0.004
213	-7.91			0.003		+		+	+	5	-16.80	44.90	6.00	0.003
201	-1.43				+			+	+	4	-18.07	45.00	6.09	0.003
195	-1.47		+					+	+	4	-18.08	45.00	6.12	0.003
205	-6.99			0.003	+			+	+	5	-16.86	45.00	6.13	0.003
23	-12.40		+	0.006		+				4	-18.11	45.10	6.17	0.003
103	-13.00		+	0.006			-0.20	+		5	-16.88	45.10	6.18	0.003
225	-1.57						0.00	+	+	4	-18.11	45.10	6.18	0.003
39	-12.63		+	0.006			0.03			4	-18.11	45.10	6.19	0.003
81	-1.50					+		+		3	-19.33	45.10	6.26	0.003
65	-2.08							+		2	-20.48	45.20	6.31	0.003
120	-18.82	-0.97	+	0.010		+	-0.55	+		7	-14.33	45.20	6.31	0.003
176	-19.65	-0.83	+	0.010	+		-0.31		+	7	-14.36	45.30	6.36	0.003

87	-12.54		+	0.005		+		+	5	-17.03	45.40	6.47	0.003	
62	-15.46	-0.87		0.008	+	+	-0.28		6	-15.75	45.40	6.47	0.003	
208	-17.13	-0.68	+	0.008	+			+	+	7	-14.44	45.40	6.52	0.003
184	-18.96	-0.85	+	0.010		+	-0.33		+	7	-14.45	45.50	6.56	0.003
161	-1.51						0.25		+	3	-19.48	45.50	6.56	0.003
94	-12.35	-0.76		0.006	+	+		+		6	-15.83	45.50	6.64	0.002
207	-13.49		+	0.006	+			+	+	6	-15.84	45.50	6.65	0.002
151	-11.41		+	0.005		+			+	5	-17.13	45.60	6.68	0.002
167	-11.67		+	0.005			-0.04		+	5	-17.14	45.60	6.68	0.002
29	-9.67			0.004	+	+				4	-18.36	45.60	6.69	0.002
145	-0.87					+			+	3	-19.55	45.60	6.70	0.002
216	-15.87	-0.71	+	0.008		+		+	+	7	-14.55	45.60	6.76	0.002
45	-8.79			0.004	+		-0.07			4	-18.43	45.70	6.81	0.002
47	-14.85		+	0.007	+		-0.04			5	-17.22	45.70	6.85	0.002
31	-14.71		+	0.007	+	+				5	-17.23	45.80	6.86	0.002
231	-11.88		+	0.005			-0.27	+	+	6	-15.96	45.80	6.89	0.002
53	-9.87			0.004		+	-0.03			4	-18.51	45.90	6.98	0.002
131	-0.83		+						+	3	-19.72	45.90	7.04	0.002
109	-8.82			0.004	+		-0.29	+		5	-17.33	46.00	7.08	0.002
117	-9.83			0.004		+	-0.27	+		5	-17.35	46.00	7.11	0.002
160	-17.79	-0.74	+	0.009	+	+			+	7	-14.74	46.00	7.13	0.002
137	-0.77				+				+	3	-19.77	46.00	7.15	0.002
126	-16.00	-0.98		0.008	+	+	-0.66	+		7	-14.77	46.10	7.19	0.002
96	-17.86	-0.73	+	0.009	+	+		+		7	-14.80	46.10	7.25	0.002
190	-16.67	-0.85		0.009	+	+	-0.40		+	7	-14.80	46.10	7.26	0.002
181	-9.43			0.004		+	-0.09		+	5	-17.46	46.20	7.33	0.002
240	-20.11	-0.93	+	0.011	+		-0.73	+	+	8	-13.45	46.20	7.35	0.002
111	-15.07		+	0.007	+		-0.21	+		6	-16.21	46.30	7.39	0.002
157	-8.81			0.004	+	+			+	5	-17.49	46.30	7.39	0.002

215	-11.26		+	0.005		+		+	+	6	-16.22	46.30	7.41	0.002
173	-8.49			0.004	+				+	5	-17.50	46.30	7.41	0.002
248	-19.72	-0.95	+	0.010		+		-0.77	+	8	-13.49	46.30	7.43	0.002
64	-20.12	-0.86	+	0.010	+	+		-0.23		7	-14.89	46.30	7.43	0.002
210	-1.10	-0.32				+			+	5	-17.54	46.40	7.48	0.002
82	-1.12	-0.39				+			+	4	-18.77	46.40	7.50	0.002
73	-1.50				+				+	3	-19.95	46.40	7.50	0.002
245	-9.34			0.004		+		-0.34	+	6	-16.32	46.50	7.62	0.002
67	-1.61		+						+	3	-20.02	46.50	7.65	0.001
93	-8.99			0.004	+	+			+	5	-17.64	46.60	7.70	0.001
237	-8.52			0.004	+			-0.35	+	6	-16.38	46.60	7.72	0.001
17	-0.97					+				2	-21.20	46.60	7.74	0.001
95	-14.77		+	0.007	+	+			+	6	-16.40	46.70	7.78	0.001
130	-1.00	-0.13								3	-20.14	46.80	7.88	0.001
254	-18.11	-0.98		0.010	+	+		-0.89	+	8	-13.72	46.80	7.90	0.001
196	-1.16	-0.28	+						+	5	-17.77	46.90	7.96	0.001
222	-11.97	-0.69		0.006	+	+			+	7	-15.17	46.90	8.00	0.001
202	-1.22	-0.25			+				+	5	-17.82	46.90	8.05	0.001
226	-1.45	-0.24						0.04	+	5	-17.88	47.10	8.18	0.001
175	-13.69		+	0.006	+			-0.06		6	-16.61	47.10	8.19	0.001
211	-1.47		+			+			+	5	-17.89	47.10	8.19	0.001
159	-13.49		+	0.006	+	+			+	6	-16.62	47.10	8.22	0.001
241	-1.31					+		-0.06	+	5	-17.91	47.10	8.23	0.001
217	-1.40				+	+			+	5	-17.93	47.20	8.27	0.001
146	-0.60	-0.26				+				4	-19.17	47.20	8.29	0.001
97	-2.18							0.14	+	3	-20.35	47.20	8.31	0.001
177	-1.23					+		0.18		4	-19.22	47.30	8.40	0.001
66	-2.00	-0.14							+	3	-20.40	47.30	8.40	0.001
162	-1.38	-0.23						0.28		4	-19.23	47.30	8.41	0.001

233	-1.40				+			-0.02	+	+	5	-18.07	47.40	8.54	0.001
203	-1.43		+		+				+	+	5	-18.07	47.40	8.55	0.001
89	-1.42				+	+			+		4	-19.30	47.50	8.56	0.001
227	-1.41		+					-0.04	+	+	5	-18.08	47.50	8.56	0.001
221	-7.91					0.003	+	+	+	+	6	-16.80	47.50	8.56	0.001
128	-20.20	-0.91	+			0.010	+	+	+		8	-14.06	47.50	8.58	0.001
83	-1.56		+				+		+		4	-19.31	47.50	8.58	0.001
113	-1.48						+		-0.02	+	4	-19.32	47.50	8.60	0.001
55	-12.33		+			0.006		+			5	-18.10	47.50	8.61	0.001
132	-0.54	-0.26	+								4	-19.34	47.50	8.64	0.001
169	-1.26				+			0.21		+	4	-19.37	47.60	8.69	0.001
119	-12.71		+			0.006		+	-0.19	+	6	-16.87	47.60	8.72	0.001
163	-1.29		+					0.19		+	4	-19.40	47.70	8.77	0.001
18	-0.61	-0.34					+				3	-20.60	47.70	8.81	0.001
239	-13.72		+			0.006	+		-0.24	+	7	-15.59	47.70	8.84	0.001
153	-0.77				+		+			+	4	-19.49	47.80	8.93	0.001
49	-1.40						+		0.22		3	-20.67	47.80	8.95	0.001
147	-0.83		+				+			+	4	-19.52	47.90	9.00	0.001
61	-10.03					0.005	+	+	-0.08		5	-18.32	48.00	9.06	0.001
33	-2.09							0.40			2	-21.88	48.00	9.12	0.001
138	-0.60	-0.18			+					+	4	-19.59	48.00	9.14	0.001
9	-0.77				+						2	-21.90	48.00	9.16	0.001
192	-19.55	-0.83	+			0.010	+	+	-0.31	+	8	-14.35	48.10	9.16	0.001
183	-11.51		+			0.005		+	-0.03	+	6	-17.13	48.10	9.23	0.001
3	-0.94		+								2	-21.95	48.20	9.26	0.001
224	-16.89	-0.68	+			0.008	+	+		+	8	-14.42	48.20	9.30	0.001
139	-0.77		+				+			+	4	-19.68	48.20	9.32	0.001
223	-13.36		+			0.006	+	+		+	7	-15.84	48.20	9.33	0.001
68	-1.32	-0.28	+							+	4	-19.72	48.30	9.40	0.001

63	-14.79		+	0.007	+	+	-0.04		6	-17.22	48.30	9.41	0.001	
125	-9.92			0.005	+	+	-0.29	+	6	-17.26	48.40	9.49	0.001	
74	-1.32	-0.22			+			+	4	-19.78	48.40	9.52	0.001	
25	-0.77				+	+			3	-20.97	48.40	9.54	0.001	
247	-11.71		+	0.005		+	-0.27	+	+	7	-15.95	48.40	9.56	0.001
75	-1.46		+		+			+		4	-19.90	48.70	9.76	0.001
189	-9.46			0.004	+	+	-0.11		+	6	-17.42	48.70	9.80	0.001
105	-1.58				+		0.05	+		4	-19.93	48.70	9.82	0.001
19	-0.90		+			+				3	-21.13	48.80	9.86	0.000
84	-1.16	-0.39	+			+		+		5	-18.76	48.80	9.94	0.000
90	-1.10	-0.39			+	+		+		5	-18.77	48.80	9.95	0.000
114	-1.10	-0.39				+	-0.02	+		5	-18.77	48.80	9.95	0.000
99	-1.64		+				0.02	+		4	-20.02	48.90	9.99	0.000
178	-0.97	-0.30				+	0.19		+	5	-18.80	48.90	10.01	0.000
242	-1.04	-0.31				+	-0.05	+	+	6	-17.52	48.90	10.02	0.000
212	-1.14	-0.31	+			+		+	+	6	-17.53	48.90	10.03	0.000
218	-1.13	-0.32			+	+		+	+	6	-17.53	48.90	10.04	0.000
127	-15.00		+	0.007	+	+	-0.21	+		7	-16.21	49.00	10.06	0.000
50	-1.04	-0.37				+	0.23			4	-20.07	49.00	10.10	0.000
41	-1.41				+		0.27			3	-21.26	49.00	10.12	0.000
256	-20.00	-0.93	+	0.011	+	+	-0.73	+	+	9	-13.45	49.20	10.29	0.000
253	-9.35			0.004	+	+	-0.35	+	+	7	-16.32	49.20	10.29	0.000
35	-1.51		+				0.25			3	-21.39	49.30	10.39	0.000
98	-2.10	-0.18					0.17	+		4	-20.23	49.30	10.41	0.000
164	-0.99	-0.28	+				0.19		+	5	-19.04	49.40	10.49	0.000
228	-1.10	-0.28	+				-0.04	+	+	6	-17.77	49.40	10.50	0.000
204	-1.16	-0.28	+		+			+	+	6	-17.77	49.40	10.52	0.000
148	-0.52	-0.28	+			+			+	5	-19.10	49.50	10.61	0.000
234	-1.23	-0.25			+		0.00	+	+	6	-17.82	49.50	10.61	0.000

170	-1.11	-0.24		+		0.23		+	5	-19.10	49.50	10.62	0.000
154	-0.54	-0.26		+	+			+	5	-19.13	49.60	10.67	0.000
219	-1.43		+	+	+			+	6	-17.88	49.60	10.72	0.000
243	-1.41		+		+	-0.04	+	+	6	-17.88	49.60	10.74	0.000
249	-1.31			+	+	-0.06	+	+	6	-17.91	49.70	10.79	0.000
4	-0.67	-0.26	+						3	-21.60	49.70	10.80	0.000
185	-1.18			+	+	0.17		+	5	-19.21	49.70	10.83	0.000
179	-1.29		+		+	0.19		+	5	-19.21	49.70	10.84	0.000
191	-13.64		+	0.006	+	+	-0.06	+	7	-16.61	49.80	10.86	0.000
91	-1.45		+	+	+			+	5	-19.24	49.80	10.89	0.000
26	-0.49	-0.32		+	+				4	-20.48	49.80	10.91	0.000
11	-0.77		+	+					3	-21.68	49.90	10.97	0.000
20	-0.53	-0.35	+		+				4	-20.51	49.90	10.97	0.000
121	-1.38			+	+	-0.03	+		5	-19.30	49.90	11.01	0.000
115	-1.56		+		+	0.00	+		5	-19.31	49.90	11.03	0.000
140	-0.54	-0.26	+	+				+	5	-19.34	50.00	11.09	0.000
34	-2.01	-0.18				0.43			3	-21.75	50.00	11.10	0.000
235	-1.38		+	+		-0.03	+	+	6	-18.06	50.00	11.10	0.000
1	-1.56								1	-23.96	50.00	11.10	0.000
171	-1.24		+	+		0.20		+	5	-19.37	50.00	11.14	0.000
57	-1.24			+	+	0.20			4	-20.60	50.10	11.16	0.000
10	-0.63	-0.15		+					3	-21.79	50.10	11.19	0.000
51	-1.43		+		+	0.23			4	-20.67	50.20	11.29	0.000
155	-0.77		+	+	+			+	5	-19.49	50.30	11.39	0.000
255	-13.66		+	0.006	+	+	-0.24	+	8	-15.59	50.50	11.64	0.000
76	-1.22	-0.27	+	+				+	5	-19.65	50.60	11.71	0.000
100	-1.35	-0.28	+			0.02	+		5	-19.72	50.70	11.85	0.000
27	-0.77		+	+	+				4	-20.97	50.80	11.89	0.000
106	-1.42	-0.23		+		0.07	+		5	-19.75	50.80	11.91	0.000

36	-1.23	-0.28	+			0.25			4	-21.04	50.90	12.04	0.000
42	-1.28	-0.21		+		0.29			4	-21.08	51.00	12.11	0.000
107	-1.50		+	+		0.02	+		5	-19.90	51.10	12.21	0.000
43	-1.34		+	+		0.24			4	-21.21	51.30	12.37	0.000
92	-1.12	-0.38	+	+	+		+		6	-18.75	51.40	12.47	0.000
116	-1.15	-0.39	+		+	-0.01	+		6	-18.76	51.40	12.50	0.000
122	-1.07	-0.39		+	+	-0.02	+		6	-18.77	51.40	12.50	0.000
58	-0.97	-0.36		+	+	0.22			5	-20.06	51.40	12.52	0.000
52	-1.05	-0.37	+		+	0.23			5	-20.07	51.40	12.55	0.000
186	-0.96	-0.30		+	+	0.19		+	6	-18.80	51.50	12.57	0.000
180	-0.98	-0.30	+		+	0.19		+	6	-18.80	51.50	12.57	0.000
244	-1.08	-0.31	+		+	-0.04	+	+	7	-17.52	51.60	12.69	0.000
250	-1.06	-0.31		+	+	-0.05	+	+	7	-17.52	51.60	12.70	0.000
220	-1.14	-0.31	+	+	+		+	+	7	-17.53	51.60	12.71	0.000
12	-0.56	-0.23	+	+					4	-21.43	51.70	12.82	0.000
172	-0.99	-0.27	+	+		0.19		+	6	-19.04	51.90	13.05	0.000
156	-0.52	-0.28	+	+	+			+	6	-19.10	52.10	13.17	0.000
236	-1.10	-0.28	+	+		-0.04	+	+	7	-17.77	52.10	13.18	0.000
2	-1.55	-0.02							2	-23.96	52.20	13.26	0.000
187	-1.24		+	+	+	0.20		+	6	-19.17	52.20	13.32	0.000
28	-0.48	-0.33	+	+	+				5	-20.47	52.20	13.34	0.000
251	-1.38		+	+	+	-0.03	+	+	7	-17.87	52.30	13.39	0.000
123	-1.46		+	+	+	0.01	+		6	-19.24	52.30	13.45	0.000
59	-1.31		+	+	+	0.23			5	-20.55	52.40	13.50	0.000
108	-1.26	-0.27	+	+		0.02	+		6	-19.65	53.20	14.27	0.000
44	-1.12	-0.25	+	+		0.24			5	-20.94	53.20	14.29	0.000
60	-1.01	-0.35	+	+	+	0.23			6	-20.04	54.00	15.06	0.000
124	-1.12	-0.38	+	+	+	0.00	+		7	-18.75	54.00	15.15	0.000
188	-0.97	-0.29	+	+	+	0.20		+	7	-18.80	54.10	15.25	0.000

252	-1.08	-0.31	+		+	+	-0.04	+	+	8	-17.52	54.40	15.50	0.000
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