

Table S1. The 45 candidate models used to investigate factors affecting wildlife collisions. The top model is indicated in bold, where $\Delta AICc \leq 2$.

Rank	Model	df	LogLikelihood	AICc	delta AICc	weight
1	Occupation*Speed	4	-670.26	1348.54	0.00	0.98
2	Habitat*Occupation	6	-673.00	1358.05	9.52	0.01
3	Direction*Occupation	4	-675.20	1358.42	9.88	0.01
4	Occupation*Road	4	-676.20	1360.44	11.90	0.00
5	Head*Occupation	4	-676.99	1362.01	13.47	0.00
6	Occupation	2	-679.91	1363.83	15.29	0.00
7	Head*Speed	4	-678.66	1365.36	16.82	0.00
8	Gender*Occupation	4	-678.94	1365.90	17.36	0.00
9	Occupation*Time	4	-679.15	1366.33	17.79	0.00
10	Occupation*Pax	4	-679.20	1366.42	17.89	0.00
11	Direction*Speed	4	-679.26	1366.55	18.02	0.00
12	Speed*Time	4	-680.71	1369.45	20.91	0.00
13	Road*Speed	4	-680.86	1369.75	21.21	0.00
14	Direction*Head	4	-681.45	1370.92	22.38	0.00
15	Speed	2	-684.17	1372.34	23.80	0.00
16	Habitat*Road	6	-680.29	1372.63	24.10	0.00
17	Head*Road	4	-682.33	1372.70	24.16	0.00
18	Direction*Road	4	-682.34	1372.71	24.17	0.00
19	Direction*Time	4	-682.43	1372.89	24.35	0.00
20	Direction*Habitat	6	-681.13	1374.31	25.77	0.00
21	Habitat*Speed	6	-681.16	1374.37	25.83	0.00
22	Gender*Speed	4	-683.67	1375.38	26.84	0.00
23	Head	2	-685.75	1375.51	26.98	0.00
24	Head*Time	4	-683.90	1375.83	27.29	0.00
25	Pax*Speed	4	-683.96	1375.94	27.40	0.00
26	Direction	2	-686.19	1376.40	27.86	0.00

27	Habitat*Head	6	-682.79	1377.63	29.09	0.00
28	Gender*Head	4	-684.85	1377.73	29.19	0.00
29	Head*Pax	4	-685.09	1378.20	29.66	0.00
30	Road	2	-687.36	1378.73	30.19	0.00
31	Direction*Gender	4	-685.52	1379.06	30.52	0.00
32	Direction*Pax	4	-685.77	1379.57	31.03	0.00
33	Road*Time	4	-685.79	1379.60	31.06	0.00
34	Gender*Road	4	-686.45	1380.93	32.39	0.00
35	Time	2	-688.69	1381.39	32.85	0.00
36	Habitat*Pax	6	-684.73	1381.52	32.98	0.00
37	Gender*Habitat	6	-684.82	1381.70	33.16	0.00
38	Habitat	3	-688.05	1382.11	33.58	0.00
39	Pax*Road	4	-687.22	1382.46	33.93	0.00
40	Habitat*Time	6	-685.66	1383.38	34.85	0.00
41	Gender	2	-689.73	1383.46	34.93	0.00
42	Gender*Time	4	-687.92	1383.87	35.33	0.00
43	Pax	2	-690.14	1384.29	35.75	0.00
44	Pax*Time	4	-688.45	1384.94	36.40	0.00
45	Gender*Pax	4	-688.99	1386.00	37.47	0.00
