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Supplementary material

Appendix 1.

Table A1. Candidate Binomial generalized linear models comparing Blackpoll Warbler *Setophaga striata* and Red-eyed Vireo *Vireo olivaceus* probability of stopover flight versus migratory departure from a coastal stopover site.

Models	sex (M)	Species (REVI)	AIC_c	ΔAIC_c	ω_i
species + sex	-0.80 ± 0.52	-2.09 ± 0.51 *	95.75	0.00	0.53
species		-2,14 ± 0.54 *	96.0	0.47	0.47

NOTE. — Beta estimates ± 1 standard error are shown and represent males relative to females, and Red-eyed Vireos relative to Blackpoll Warblers. AIC_c = Akaike's information criterion corrected for small sample sizes, ΔAIC_c = the difference between the AIC_c of the top-ranked model and the corresponding model, and ω_i = Akaike Weight. The species differed significantly in mean capture date and δ^2 H values, so we did not include these variables in models. Data are from automated telemetry conducted in the Gulf of Maine in fall, 2014.

***** Parameter estimates have 99% confidence intervals that do not include zero.

Table A2. Candidate Binomial generalized linear models relating Blackpoll Warbler *Setophaga striata* probability of stopover flight versus migratory departure from a coastal stopover site to sex, capture date (day), and age.

Models	sex (M)	day	age (HY)	AIC_c	ΔAIC_c	ω_i
sex	-1.02 ± 0.97			34.25	0.00	0.26
day		0.14 ± 0.13		34.63	0.09	0.24
age			0.83 ± 0.99	35.01	0.47	0.20
age + sex	1.05 ± 1.04			35.86	1.32	0.13
age + day	0.79 ± 1.00	0.13 ± 0.13		36.33	1.79	0.10
age + day + sex	-1.16 ± 1.04	0.14 ± 0.15	0.94 ± 1.05	37.40	2.86	0.06

NOTE. — Beta estimates ± 1 standard error are shown and represent males relative to females, and juveniles relative to adults. AIC_c = Akaike's information criterion corrected for small sample sizes, ΔAIC_c = the difference between the AIC_c of the top-ranked model and the corresponding model, and ω_i = Akaike Weight. Data are from automated telemetry conducted in the Gulf of Maine in fall, 2014.

* Parameter estimates have 90% confidence intervals that do not include zero.

** Parameter estimates have 95% confidence intervals that do not contain zero.

Table A3. Candidate Binomial generalized linear models relating Red-eyed Vireo *Vireo olivaceus* probability of stopover flight versus migratory departure from a coastal stopover site to sex and capture date (day).

Models	sex (M)	day	AIC_c	ΔAIC_c	ω_i
sex	-0.89 ± 0.65		58.57	0.00	0.46
day		-0.06 ± 0.06	59.33	1.60	0.31
sex + day	-0.85 ± 0.65	-0.06 ± 0.06	59.92	5.74	0.23

NOTE. — Beta estimates ± 1 standard error are shown and represent males relative to females. AIC_c = Akaike's information criterion corrected for small sample sizes, ΔAIC_c = the difference between the AIC_c of the top-ranked model and the corresponding model, and ω_i = Akaike Weight. Data are from automated telemetry conducted in the Gulf of Maine in fall, 2014.

Table A4. Candidate ordered logistic regression models relating sex, capture date (day), and stable isotope value (δ^2 H; as a proxy for breeding latitude) to the probability of inland, coastal or offshore orientation for Red-eyed Vireo *Vireo olivaceus* during migratory departure from a coastal stopover site.

Models	sex (M)	day	δ^2 H	AIC_c	ΔAIC_c	ω_i
day		0.19 ± 0.09 *		41.54	0.00	0.67
day + sex	0.83 ± 0.96	0.20 ± 0.10 *		43.73	2.19	0.22
sex	0.80 ± 0.85			46.68	2.90	0.05
δ^2 H			-0.02 ± 0.03	47.23	0.56	0.04
sex + δ^2 H	0.76 ± 0.85		-0.02 ± 0.03	49.39	2.17	0.01

NOTE. — Beta estimates ± 1 standard error are shown and represent males relative to females. AIC_c = Akaike's information criterion corrected for small sample sizes, ΔAIC_c = the difference between the AIC_c of the top-ranked model and the corresponding model, and ω_i = Akaike Weight. Capture date was correlated with δ^2 H values, so we did not combine these variables in models. Data are from automated telemetry conducted in the Gulf of Maine in fall, 2014.

* Parameter estimates have 95% confidence intervals that do not contain zero.