

Bergstrom, B. J. and Sherry, T. W. 2008. Estimating lipid and lean body mass in small passerine birds using TOBEC, external morphology and subcutaneous fat-scoring. – J. Avian. Biol. 39: 507–513.

Appendix 2.

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Following Page: Live weights and measurements, extracted lipid, and regression-estimated lean and lipid masses of 52 passerine birds of 13 species. From Bergstrom and Sherry (2008). Banders' codes (left column) are as follows:

BGGN	Blue-gray gnatcatcher	<i>Poliophtila caerulea</i>
PRAW	Prairie warbler	<i>Dendroica discolor</i>
AMRE	American redstart	<i>Setophaga ruticilla</i>
BTBW	Black-throated blue warbler	<i>Dendroica caerulescens</i>
HOWA	Hooded warbler	<i>Wilsonia citrina</i>
WEWA	Worm-eating warbler	<i>Helmitheros vermiveros</i>
NOWA	Northern waterthrush	<i>Seiurus noveboracensis</i>
OVEN	Ovenbird	<i>Seiurus aurocapillus</i>
PROW	Prothonotary warbler	<i>Protonotaria citrea</i>
VEER	Veery	<i>Catharus fuscescens</i>
REVI	Red-eyed vireo	<i>Vireo olivaceus</i>
GCTH	Gray-cheeked thrush	<i>Catharus minimus</i>
GRCA	Gray catbird	<i>Dumetella carolinensis</i>

Notes: Weights (g) include data columns 1,2,3,5,6,7. Columns “BL” through “Head” are body measurements (mm). “Net EV” is E-value of subject animal minus E-value of TOBEC scanning tube and restraint (a log transform of this value—lnNEV—was used in all regression models that included TOBEC data). “Best Regr” indicates which regression model (species- or size-specific) was most accurate in predicting actual lipid mass of that individual; prediction of that model is represented by the EstLean, EstLipid and EstLipidClass numbers for each individual (equations given in Bergstrom and Sherry 2008). %Water expressed as percentage of live weight without ingesta, determined after multiple rounds of dehydration, pre- and post-homogenization of carcass. Dry lean mass (minus ingesta) can be determined from data in this table by converting %Water to actual water mass, then subtracting it and Ingesta from Lean Mass. EstLipid and EstLipidClass represent percentages of live weight; latter are in 5% increments from 0% to 40%.

Species	Live Mass	Lean Mass	Ingesta Wt.	% Water	EstLean	Lipid Mass	EstLipid	%Lipid	Est%Lip	Lipid Class	EstLip Class	Net EV	Vis Fat	BL	BW	BD	Wing	Tars	Tail	Head	Best Repr
BGGN	5.3	4.7725	0.19	62.82	4.733	0.5275	0.5689	9.9528	10.734	3	3	7.2	4	7	3	2.2	47	15.3	43	26.5	small
BGGN	5.6	5.374	0.186	65.02	5.1231	0.226	0.4769	4.0357	8.5161	1	2	14	4	8	3.3	2.3	52	18.6	50	28.5	small
BGGN	5.8	5.1488	0.157	61.49	5.2595	0.6512	0.5405	11.2276	9.319	3	2	12.6	4	7.4	3.2	2.2	51	15.2	48	27.7	small
BGGN	5.9	5.6205	0.266	76.5	5.5415	0.2795	0.3585	4.7373	6.0763	1	2	12.4	4	7.3	3.1	2.2	51	15.9	47	28.5	small
PRAW	6.5	6.2257	0.109	66.5	6.3089	0.2743	0.1911	4.22	2.94	1	1	13	1	7.8	3	2.9	52	16.8	46	28.2	small
PRAW	6.5	5.7895	0.149	60.15	5.8216	0.7105	0.6784	10.9308	10.4369	3	3	13	3	7.2	2.6	2.7	51	18.4	45	27.5	small
AMRE	7	6.4264	0.109	61.82	6.49	0.5736	0.4525	8.1943	6.4643	2	2	15	0	6.9	3.8	2.9	63	17.5	55	27.5	amre
AMRE	7.7	6.9363	0.172	61.77	6.724	0.7637	0.9196	9.9182	11.9429	2	3	14.1	1.5	6.5	3.9	2.6	60	19.5	53	27.6	amre
AMRE	8.1	6.5978	0.11	54.69	6.806	1.5022	1.3003	18.5457	16.0531	4	4	18.75	2.5	6.8	3.7	2.8	58	16.9	53	27.3	amre
AMRE	8.1	7.8402	0.91	74.13	7.771	0.2598	0.4336	3.2074	5.3531	1	2	18.2	0	6.8	3.9	3.1	63	16.3	52	27.6	amre
PRAW	8.5	7.0828	0.189	55.23	7.3078	1.4172	1.1922	16.6729	14.0259	4	3	13.6	4	7.5	3	2.9	55	18.9	46	28.4	small
BTBW	8.9	8.6432	0.166	66.29	8.5403	0.2568	0.3591	2.8854	4.0348	1	1	13.7	0	6.7	3.5	2.9	62.5	17.6	47	27.9	small
AMRE	9	8.6918	0.2	67.61	8.71	0.3082	0.2257	3.4244	2.5078	1	1	12.9	0	7.1	4.1	3.1	61.5	18	56	28.7	amre
AMRE	9	7.17	0.24	54.22	7.262	1.83	1.8052	20.3333	20.0578	5	5	14.3	4	6.3	3.7	2.8	61.5	17.2	54	27.2	amre
HOWA	9.2	8.9759	0.265	68.05	9.2838	0.2241	-0.0838	2.4359	-0.9109	1	1	23.6	0	8	3.9	3.1	64	19.9	49	31.2	small
AMRE	9.2	6.8841	0.12	50.66	6.76	2.3159	2.3587	25.1728	25.638	6	6	14.4	6	6.9	4.2	3	61	17.3	54	27.7	amre
BTBW	9.3	9.0459	0.163	66.32	8.9862	0.2541	0.3138	2.7323	3.3742	1	1	13.6	0	7.2	3.5	3.1	64	18.6	48	29.2	small
BTBW	9.8	8.2007	0.217	56.56	7.9096	1.5993	1.8904	16.3194	19.2898	4	4	21.7	6	6.9	3.4	2.9	63	19	49	28.8	small
HOWA	10.4	9.2828	0.27	61.11	9.2475	1.1172	1.311	10.7423	12.6058	3	3	17.2	1	8.5	3.5	3.5	67	21.5	55	31.7	med
HOWA	10.7	10.3014	0.145	66.6	10.7077	0.3986	0.2096	3.7252	1.9589	1	1	17.3	0	7.5	3.9	3.5	64	20.7	55	31.3	med
WEWA	10.9	10.525	0.218	64.5	9.7837	0.375	1.065	3.4404	9.7706	1	2	18.6	4	10.1	3.8	4.1	70	17.1	49	32.4	med
NOWA	12.5	12.2521	0.198	66.41	12.4378	0.2479	0.0331	1.9832	0.2648	1	1	18.7	0	9.3	2.9	3.5	74	22	47	33.1	med
OVEN	14.5	14.2491	0.358	67.32	14.4104	0.2509	0.2351	1.7303	1.6214	1	1	28.4	0	9	3.7	3.8	73	22.2	54	33.5	med
WEWA	14.6	12.7531	0.284	59.93	13.1813	1.8469	1.4928	12.65	10.2247	3	3	22.85	3.5	10.7	3.5	4.5	68	18.7	49	32.7	med
PROW	14.8	12.1198	0.499	54.96	11.6063	2.6802	3.2452	18.1095	21.927	4	5	20.6	6	10.9	3.8	3.8	68	19.1	43	33.9	med
PROW	15.5	11.6651	0.157	50.45	12.2497	3.8349	3.2895	24.7413	21.2226	5	5	24.6	6	10.3	4.1	4	69	19.1	44	33.4	med
WEWA	16.5	11.9732	0.297	47.52	12.0325	4.5268	4.4625	27.4352	27.0455	6	6	22.2	8	10.7	3.8	4.4	71	17.5	50	32.6	med
NOWA	17	14.4699	0.124	58.66	15.1766	2.5301	1.838	14.8829	10.8118	3	3	24.8	2	10.6	3.4	3.7	75	21.8	52	35	med
OVEN	17.3	16.8789	0.163	67.46	16.3209	0.4211	0.56624	2.4341	3.2731	1	1	24.9	0	8.7	3.7	4	79	22.1	54	33.1	oven
OVEN	17.6	15.8457	0.284	61.91	15.536	1.7543	1.84348	9.9676	10.4743	3	3	35.7	2	8.9	4	4	76	21.8	53	34.4	oven
OVEN	18.3	17.9432	0.397	68.03	17.1074	0.3568	0.34694	1.9497	1.8958	1	1	32.6	0	9.1	4.4	4.1	73.5	21.6	49	33.9	oven
OVEN	18.6	17.9695	0.153	64.89	17.3935	0.6305	0.56218	3.3898	3.0225	1	1	28.7	0	9	3.9	3.8	76	22.3	53	33.7	oven
OVEN	18.9	18.3931	0.171	67.49	17.8257	0.5069	0.39052	2.682	2.0662	1	1	33.9	0	9.2	3.9	4.3	75	23.3	52	35.2	oven
OVEN	19.1	18.6475	0.213	68.14	17.6186	0.4525	0.39098	2.3691	2.047	1	1	33.3	0	8.9	4	3.9	79.5	21.6	56	34	oven
OVEN	19.3	16.8998	0.174	59.71	16.7328	2.4002	2.33334	12.4363	12.0898	3	3	30.6	2	8.8	3.7	4.3	80	21.8	58	33.1	oven
NOWA	19.4	13.6578	0.099	47.1	13.5386	5.7422	5.9098	29.599	30.4629	6	7	28.2	8	9.7	3.4	3.6	73	20.6	50	32.5	med
OVEN	19.5	19.0506	0.29	68.14	18.5367	0.4494	0.5352	2.3046	2.7446	1	1	27.7	0	10.1	3.9	4.1	79	23.1	53	34.7	oven
OVEN	19.7	19.3619	0.288	68.57	18.2193	0.3381	0.46196	1.7162	2.345	1	1	38.7	0	9	4.1	4.4	78	22.5	53	34.6	oven
NOWA	20.4	14.1662	0.219	46.48	14.2273	6.2338	6.2729	30.5578	30.7495	7	7	20.5	8	9.8	3.6	3.5	72	21.3	50	34.2	med
OVEN	21.5	20.5247	0.499	66.9	19.2513	0.9753	1.013	4.5363	4.7116	1	1	44	0.5	9	3.5	4.2	77	22.4	53	34.6	oven
VEER	22.2	20.981	0.27	63.47	20.694	1.219	1.03324	5.491	4.6542	2	1	59.7	0.5	9.7	4.6	4.2	97	28.3	67	37.3	large
REVI	22.6	16.3749	0.316	46.13	15.742	6.2251	6.37035	27.5447	28.1874	6	6	36.8	8	10.1	4.8	4.4	74.5	18	49	36.8	large
REVI	23.6	16.2532	0.706	45.34	17.257	7.3468	7.22178	31.1305	30.6008	7	7	35.5	6	10	4.3	4.4	77	17.7	50	36.6	large
VEER	25.4	22.4434	0.434	60.68	22.84	2.9566	2.94842	11.6402	11.608	3	3	65.3	2	9.9	5	4.4	106	28.5	68	38.7	large
REVI	25.5	18.0196	1.1	47.58	17.701	7.4804	7.58302	29.3349	29.7373	6	6	36.9	8	9.7	4.4	4.7	81	18.9	53	36.3	large
REVI	25.5	16.5462	0.573	42.48	16.823	8.9538	8.92999	35.1129	35.0196	8	8	39.3	8	9.2	4.2	4.3	80.5	18.6	52	34.8	large
GCTH	30.5	26.4004	0.418	58.57	26.154	4.0996	4.412	13.4413	14.4656	3	3	70.5	2.5	9.5	5.1	4.2	103	32.7	64	39.9	large
GRCA	31.6	28.9589	0.427	61.5	28.619	2.6411	2.97338	8.3579	9.4094	2	2	81.25	0.3	10.7	4.7	4.6	92	26.9	95	42.5	large
GRCA	34.8	28.3031	0.333	54.63	27.963	6.4969	6.67328	18.6693	19.1761	4	4	71.8	2	10	3.7	4.5	84	26.5	84	41.7	large
GRCA	35.2	29.1094	0.65	55.17	28.83	6.0906	6.28124	17.3028	17.8444	4	4	76.8	3.5	12	4	5.4	89	28.4	90	44.5	large
GRCA	36.4	30.2612	0.447	54.57	30.624	6.1388	5.52482	16.8648	15.1781	4	4	84.7	2.5	10.8	4.6	4.8	92	28.5	90	44.4	large
GRCA	37.3	33.0957	0.492	59.66	33.435	4.2043	4.22674	11.2716	11.3317	3	3	114	0.3	12.4	4.6	5.1	104	26.5	89	45.9	large

Leave-One-Out Cross Validation (LOOCV) resampling of data from Bergstrom and Sherry (2008), for data set of 52 migratory passerine birds, plus 6 data subsets, each using Best Subsets (Minitab 1996) to build multiple-regression models estimating Lean Mass and Lipid Mass (from ether extraction) as dependent variables. If Best model included/did not include lnNEV, regression metrics are also presented for model than did not/did include lnNEV. aR^2 = adjusted R^2 , Cp = Mallow's Cp (equivalent to an Akaike estimator of prediction error for the general linear model; see Bergstrom and Sherry 2008). LOOCV cases that chose different model than full data set are in boldface.

I. Entire Data Set Cross-Validation

Y = LEAN

Leave Out Case #	Best Subset	Best		+/- <i>lnNEV</i>	
		aR^2	Cp	aR^2	Cp
All In	Liv, Vis, lnNEV, BL, Tars	99.0	1.6	98.9	1.8
1	Liv, Vis, lnNEV, BL, Tars	99.0	1.8	98.9	4.3
2	Liv, Vis, lnNEV, BL, Tars	98.9	1.5	98.9	3.4
3	Liv, Vis, lnNEV, BL, Tars	99.0	1.6	98.9	1.7
4	Liv, Vis, lnNEV, BL, Tars	99.0	2.3	98.9	2.5
5	Liv, Vis, lnNEV, BL, Tars	99.0	1.8	98.9	1.9
6	Liv, Vis, lnNEV, BL, Tars	98.9	1.6	98.9	1.7
7	Liv, Vis, lnNEV, BL, Tars	99.0	1.9	99.0	2.4
8	Liv, Vis, lnNEV, BL, Tars	99.0	1.7	98.9	1.8
9	Liv, Vis, lnNEV, BL, Tars	99.0	2.0	98.9	2.8
10	Liv, Vis, lnNEV, BL, Tars	99.0	1.7	98.9	2.2
11	Liv, Vis, lnNEV, BL, Tars	98.9	1.6	98.9	1.8
12	Liv, Vis, lnNEV, BL, Tars	99.0	1.6	98.9	1.6
13	Liv, Vis, lnNEV, BL, Tars	99.0	1.6	98.9	1.5
14	Liv, Vis, lnNEV, BL, Tars	99.0	1.7	98.9	1.9
15	Liv, Vis, lnNEV, BL, Tars	99.0	1.8	98.9	3.6
16	Liv, Vis, lnNEV, BL, Tars	99.0	1.7	98.9	1.9
17	Liv, Vis, lnNEV, BL, Tars	99.0	1.5	98.9	1.4
18	<i>Liv, Vis, BL, Tars¹</i>	<i>99.0</i>	<i>1.3</i>	<i>99.0</i>	<i>2.4</i>
19	<i>Liv, Vis, BL, Tars</i>	<i>99.0</i>	<i>1.1</i>	<i>99.0</i>	<i>1.3</i>
20	Liv, Vis, lnNEV, BL, Tars	99.0	1.5	98.9	1.4
21	Liv, Vis, lnNEV, BL, Tars	99.0	2.8	99.0	2.8
22	<i>Liv, Vis, BL, Tars</i>	<i>99.0</i>	<i>1.0</i>	<i>99.0</i>	<i>1.3</i>
23	Liv, Vis, lnNEV, BL, Tars	99.0	1.6	98.9	1.8
24	Liv, Vis, lnNEV, BL, Tars	99.0	1.6	98.9	1.8
25	Liv, Vis, lnNEV, BL, Tars	99.0	1.6	98.9	1.8
26	Liv, Vis, lnNEV, BL, Tars	99.0	1.8	98.9	2.1
27	Liv, Vis, lnNEV, BL, Tars	99.0	1.5	98.9	1.7
28	<i>Liv, Vis, BL, Tars</i>	<i>99.0</i>	<i>1.6</i>	<i>99.0</i>	<i>1.8</i>
29	Liv, Vis, lnNEV, BL, Tars	99.0	1.8	98.9	2.4
30	Liv, Vis, lnNEV, BL, Tars	99.0	1.6	98.9	1.6
31	Liv, Vis, lnNEV, BL, Tars	99.0	1.4	99.0	1.4
32	Liv, Vis, lnNEV, BL, Tars	99.0	1.4	98.9	1.8
33	Liv, Vis, lnNEV, BL, Tars	99.0	1.6	98.9	1.8

34	Liv, Vis, lnNEV, BL, Tars	99.0	1.6	99.0	1.7
35	Liv, Vis, lnNEV, BL, Tars	99.0	1.6	98.9	1.8
36	Liv, Vis, lnNEV, BL, Tars	99.0	1.9	98.9	2.1
37	Liv, Vis, lnNEV, BL, Tars	99.0	1.4	98.9	2.0
38	<i>Liv, Vis, BL, Tars</i>	<i>99.0</i>	<i>1.3</i>	99.0	1.6
39	<i>Liv, Vis, BL, Tars</i>	<i>99.0</i>	<i>1.2</i>	99.0	1.6
40	<i>Liv, Vis, BL, Tars</i>	<i>99.0</i>	<i>1.2</i>	99.0	1.6
41	Liv, Vis, lnNEV, BL, Tars	99.0	1.6	98.9	1.8
42	Liv, Vis, lnNEV, BL, Tars	99.0	1.7	98.9	1.7
43	Liv, Vis, lnNEV, BL, Tars	99.1	1.4	90.0	1.5
44	Liv, Vis, lnNEV, BL, Tars	98.9	1.5	98.9	1.8
45	Liv, Vis, lnNEV, BL, Tars	99.0	1.6	98.9	1.8
46	Liv, Vis, lnNEV, BL, Tars	99.1	1.9	99.0	2.7
47	Liv, Vis, lnNEV, BL, Tars	98.9	1.6	98.9	1.7
48	Liv, Vis, lnNEV, BL, Tars	98.9	1.9	98.9	1.9
49	<i>Liv, Vis, BL, Tars</i>	<i>98.9</i>	<i>1.8</i>	98.9	2.0
50	<i>Liv, Vis, BL, Tars</i>	<i>98.9</i>	<i>1.7</i>	98.9	1.6
51	Liv, Vis, lnNEV, BL, Tars	98.9	1.6	98.8	1.6
52	Liv, Vis, lnNEV, BL, Tars	98.8	1.9	98.8	1.9

<u>Summary Statistics²</u>	<u>With <i>lnNEV</i></u>		<u>W/out <i>lnNEV</i></u>	
Mean	98.98	1.692	98.75	1.90
SD	0.051	0.265	1.238	0.613
SE	0.007	0.367	0.172	0.085
Min	98.8	1.3	98.8	1.0
Max	99.1	2.8	99.0	4.3

¹8 of 52 runs yielded same model as overall except lacking *lnNEV*, so results for those are boldfaced when adding *lnNEV*

²Summary statistics for aR^2 from the n runs of LOOCV were used to construct 95% confidence intervals by adding and subtracting from the mean the following:

$$t(v, \alpha_2 = 0.05) * SE.$$

The lower limit of this C.I. for each model is published in Bergstrom and Sherry (2008; Table 1).

II. SUBSET = LARGE

Y = LEAN

Leave Out	Best Subset	Best aR^2	Cp	+/- <i>lnNEV</i> aR^2	+/- <i>lnNEV</i> Cp
All	Liv,VisBL,BW,BDWing,Tail,lnNEV	99.4	7.4	99.1	6.5
1	Liv,VisBL,BW,BDWing,Tail,lnNEV	99.5	8.6	98.5	8.0
2	<i>Liv, Vis, BL, BW, BD¹</i>	<i>99.5</i>	<i>3.8</i>	n/a	
	<i>Liv, VisBL, BW, BDWing, Tail, lnNEV</i>	99.1	9.0	99.2	8.0
3	Liv,VisBL,BW,BDWing,Tail,lnNEV	99.2	7.8	99.1	9.0

4	<i>Liv, VisBL, BW, BDWing, Tail</i>	99.2	7.8	n/a	
	<i>Liv, VisBL, BW, BDWing, Tail, lnNEV</i>	99.1	9.0	98.6	8.0
5	<i>Liv, Vis, BW, BDWing, lnNEV</i>	99.1	6.7	n/a	
	<i>Liv, VisBL, BW, BDWing, Tail, lnNEV</i>	99.1	9.0	98.3	8.0
6	<i>Liv, lnNEV, Tail</i>	99.4	1.5	n/a	
	<i>Liv, VisBL, BW, BDWing, Tail, lnNEV</i>	99.0	9.0	98.3	8.0
7	<i>Liv, VisBL, BW, BDWing, lnNEV</i>	99.5	7.8	n/a	
	<i>Liv, VisBL, BW, BDWing, Tail, lnNEV</i>	99.5	9.0	98.7	8.0
8	<i>Liv, Vis, Tars, Head</i>	99.7	4.0	99.6	6.0
	<i>Liv, Vis, BL, BW, BDWing, Tail, lnNEV</i>	99.6	9.0	98.3	8.0
9	<i>Liv, VisBL, BW, BDWing, Tail, lnNEV</i>	99.2	9.0	98.7	8.0
10	<i>Liv, VisBL, BW, BDWing, Tail, lnNEV</i>	99.2	9.0	98.4	8.0
11	<i>Liv, VisBL, BW, BDWing, Tail, lnNEV</i>	100	9.0	98.7	8.0
12	<i>Liv, VisBL, BW, BDWing, Tail, lnNEV</i>	98.9	9.0	97.9	8.0
				<u>With <i>lnNEV</i></u>	<u>W/out <i>lnNEV</i></u>
	Mean	99.32	8.49	98.64	7.92
	SD	0.318	1.39	0.45	0.641
	SE	0.088	0.386	0.125	0.178
	Min	98.9	4.0	97.9	6.0
	Max	100	9.0	99.6	9.0

¹When an iteration chooses a fundamentally different model (*Italics*), the following bold-faced line displays the regression metrics for the Best model (as defined with all n records) as generated from that iteration of n -i for case i.

III. SUBSET = MEDIUM Y = LEAN

Leave Out		Best		+/- <i>lnNEV</i>	
Case #	Best Subset	aR ²	Cp	aR ²	Cp
All	Liv, Vis, Tars, Tail	98.5	1.6	98.5	6.0
1	<i>Liv, Vis, BW, WingTars, Tail</i>	98.3	3.8	n/a	
	<i>Liv, Vis, Tars, Tail</i>	98.2	1.5	98.2	6.0
2	Liv, Vis, Tars, Tail	98.5	0.6	98.4	6.0
3	Liv, Vis, Tars, Tail	98.9	0.9	98.9	2.4
4	<i>Liv, Vis, Wing, Tars, Tail</i>	98.7	2.2	n/a	
	<i>Liv, Vis, Tars, Tail</i>	98.5	2.6	98.4	6.0
5	Liv, Vis, Tars, Tail	98.6	1.3	98.5	6.0
6	Liv, Vis, Tars, Tail	98.6	0.9	98.5	6.0
7	Liv, Vis, Tars, Tail	98.6	1.9	98.6	6.0
8	<i>Liv, Vis, BW, Wing, Tars, Tail</i>	98.9	4.6	n/a	
	<i>Liv, Vis, Tars, Tail</i>	98.7	4.7	98.7	6.0
9	Liv, Vis, Tars, Tail	98.4	1.5	98.4	6.0
10	<i>Liv, Vis, Tars, Head</i>	99.2	1.3	n/a	
	<i>Liv, Vis, Tars, Tail</i>	98.8	4.2	98.7	6.0
11	Liv, Vis, Tars, Tail	98.5	1.3	98.4	6.0

16	Liv, Vis, BD, Tail, Head	94.9	1.8	94.5	3.6
17	<i>Liv, Vis, BD, Head, lnNEV</i>	97.0	2.1	<i>n/a</i>	
	Liv, Vis, BD, Tail, Head	96.4	6.0	96.9	7.0
18	<i>Liv, Vis, BD, Head</i>	97.5	1.6	<i>n/a</i>	
	Liv, Vis, BD, Tail, Head	97.0	6.0	97.4	7.0
		<u>W/out <i>lnNEV</i></u>		<u>With <i>lnNEV</i></u>	
Mean		95.875	3.663	95.675	5.512
SD		0.636	2.088	0.890	1.749
SE		0.159	0.522	0.223	0.437
Min		94.9	1.6	94.5	3.4
Max		97	6	97.4	7

(out of 18 runs) variable chosen:

Liv	18
lnNEV	4
Vis	18
BL	2
BW	2
BD	14
Wing	2
Tars	0
Tail	14
Head	18

V. Subset = Warblers

Y = LEAN

Leave Out	Best Subset	Best		+/- <i>lnNEV</i>	
Case #		aR ²	Cp	aR ²	Cp
All	Liv, Vis, BL, BD, Tail	98.5	3.7	98.5	4.2
1	Liv, Vis, BL, BD, Tail	98.4	3.6	98.5	4.4
2	<i>Liv, Vis, BD, lnNEV</i>	98.4	3.6	<i>n/a</i>	
	Liv, Vis, BL, BD, Tail	98.4	4.0	98.5	4.5
3	<i>Liv, Vis, BD, lnNEV</i>	98.5	2.9	<i>n/a</i>	
	Liv, Vis, BL, BD, Tail	98.5	3.8	98.5	4.0
4	Liv, Vis, BL, BD, Tail	98.5	3.5	98.5	4.1
5	<i>Liv, Vis, BD, lnNEV</i>	98.4	3.0	<i>n/a</i>	
	Liv, Vis, BL, BD, Tail	98.4	3.6	98.5	3.8
6	Liv, Vis, BL, BD, Tail	98.5	3.7	98.6	3.9
7	<i>Liv, Vis, BD, lnNEV</i>	98.4	3.3	<i>n/a</i>	
	Liv, Vis, BL, BD, Tail	98.5	3.8	98.5	4.2
8	Liv, Vis, BL, BD, Tail	98.5	3.2	98.4	5.2
9	Liv, Vis, BL, BD, Tail	98.5	3.8	98.5	4.4
10	Liv, Vis, BL, BD, Tail	98.5	3.8	98.5	4.2
11	<i>Liv, Vis, BD, lnNEV</i>	98.5	4.0	<i>n/a</i>	

	<i>Liv, Vis, BL, BD, Tail</i>	98.5	4.8	98.6	4.5
12	Liv, Vis, BL, BD, Tail	98.5	3.9	98.6	4.1
13	Liv, Vis, BL, BD, Tail	98.5	3.3	98.4	5.1
15	Liv, Vis, BL, BD, Tail	98.8	1.4	98.7	7.0
16	Liv, Vis, BL, BD, Tail	98.5	3.7	98.5	7.0
17	Liv, Vis, BL, BD, Tail	98.8	5.4	98.8	5.6
18	Liv, Vis, BL, BD, Tail	98.5	3.8	98.5	4.4
19	Liv, Vis, BL, BD, Tail	98.5	3.3	98.5	4.1
20	Liv, Vis, BL, BD, Tail	98.5	3.3	98.5	4.5
21	Liv, Vis, BL, BD, Tail	98.6	3.8	98.6	4.4
22	Liv, Vis, BL, BD, Tail	98.5	5.3	98.7	5.2
23	Liv, Vis, BL, BD, Tail	98.5	3.2	98.6	4.0
24	<i>Liv, Vis, BD, lnNEV</i>	98.5	2.6	n/a	
	<i>Liv, Vis, BL, BD, Tail</i>	98.5	3.6	98.6	4.1
25	Liv, Vis, BL, BD, Tail	98.5	3.6	98.5	4.0
26	Liv, Vis, BL, BD, Tail	98.5	4.2	98.5	4.4
27	Liv, Vis, BL, BD, Tail	98.4	3.6	98.4	5.5
28	Liv, Vis, BL, BD, Tail	98.5	4.0	98.5	7.0
29	Liv, Vis, BL, BD, Tail	98.4	3.6	98.4	4.2
30	Liv, Vis, BL, BD, Tail	98.5	4.2	98.5	7.0
31	Liv, Vis, BL, BD, Tail	98.5	3.9	98.6	4.7
32	Liv, Vis, BL, BD, Tail	98.6	4.2	98.6	4.4
33	<i>Liv, Vis, BL, BD, Tail, lnNEV</i>	98.6	4.8	98.5	4.0
34	Liv, Vis, BL, BD, Tail	98.4	3.6	98.4	4.2
35	Liv, Vis, BL, BD, Tail	98.6	3.0	98.6	7.0
36	Liv, Vis, BL, BD, Tail	98.3	3.8	98.3	4.7
		<u>W/out lnNEV</u>		<u>With lnNEV</u>	
Mean		98.5	3.75	98.5	4.81
SD		0.095	0.655	0.099	1.002
SE		0.016	0.111	0.017	0.169
Min		98.3	1.4	98.3	3.8
Max		98.8	5.4	98.8	7.0

VI. SUBSET = OVEN

Y = LEAN

Leave Out		Best		+/- lnNEV	
Case #	Best Subset	aR ²	Cp	aR ²	Cp
All	Liv, Vis, Tars, Head	99.6	3.3	99.5	6.0
1	Liv, Vis, Tars, Head	99.2	2.1	99.0	6.0
2	Liv, Vis, Tars, Head	99.7	2.1	99.6	4.0
3	<i>Liv, Vis, Tars, BD</i>	98.2	3.4	n/a	
	<i>Liv, Vis, Tars, Head</i>	99.8	4.6	99.8	6.0
4	Liv, Vis, Tars, Head	99.5	3.2	99.4	5.2
5	Liv, Vis, Tars, Head	99.6	3.0	99.5	5.0
6	Liv, Vis, Tars, Head	99.7	4.1	99.7	6.1
7	<i>Liv, Vis</i>	99.7	1.8	n/a	
	<i>Liv, Vis, Tars, Head</i>	99.7	4.0	99.6	6.0

8	<i>Liv, Vis, BD</i>	99.8	3.7	<i>n/a</i>	
	<i>Liv, Vis, Tars, Head</i>	99.7	4.0	99.6	6.0
9	Liv, Vis, Tars, Head	99.6	2.4	99.5	4.2
10	Liv, Vis, Tars, Head	99.6	2.4	99.5	4.3
11	Liv, Vis, Tars, Head	99.4	2.3	99.2	6.0
		<u>W/out <i>lnNEV</i></u>		<u>With <i>lnNEV</i></u>	
Mean		99.59	3.11	99.49	5.34
SD		0.17	0.92	0.226	0.84
SE		0.05	0.278	0.068	0.253
Min		99.2	2.1	99.0	4.0
Max		99.8	4.6	99.8	6.1

VII. Subset = AMRE

Y = LEAN

Leave Out Case #	Best Subset	Best aR ²	Cp	+/- <i>lnNEV</i> aR ²	Cp
All	Liv,Vis	94.7	0.3	93.6	4.0
1	Liv,Vis	93.4	1.4	92.6	3.1
2	Liv,Vis	96.4	1.1	94.7	3.1
3	Liv,Vis	96.3	1.5	94.9	3.4
4	<i>Liv,Vis,lnNEV</i>	<i>96.8</i>	<i>3.6</i>	94.3	4.2
5	<i>Liv,Vis,Head,lnNEV</i>	<i>94.8</i>	<i>5.0</i>	<i>n/a</i>	
	<i>Liv,Vis</i>	82.8	9.9	81.7	4.0
6	<i>Liv,Vis,Head,lnNEV</i>	<i>99.4</i>	<i>5.0</i>	<i>n/a</i>	
	<i>Liv,Vis</i>	94.8	25.2	93.2	24.1
7	Liv,Vis	95.5	1.2	93.7	3.1
		<u>W/out <i>lnNEV</i></u>		<u>With <i>lnNEV</i></u>	
Mean		93.36	6.36	92.51	6.34
SD		4.78	8.89	4.96	7.84
SE		1.81	3.36	1.88	2.96
Min		82.8	1.1	81.7	3.1
Max		96.4	25.2	96.8	24.1

VIII. Entire Data Set Cross-Validation
 Y = LIPID

Leave Out Case #	Best Subset	Best aR ²	Cp	+/- lnNEV aR ²	Cp
All	Liv, Vis, lnNEV, BL, Tars	90.3	1.6	90.0	1.8
1	Liv, Vis, lnNEV, BL, Tars	90.9	1.8	90.1	4.3
2	Liv, Vis, lnNEV, BL, Tars	90.2	1.5	89.9	1.6
3	Liv, Vis, lnNEV, BL, Tars	90.4	1.6	90.1	1.7
4	Liv, Vis, lnNEV, BL, Tars	90.5	2.3	90.3	2.5
5	Liv, Vis, lnNEV, BL, Tars	90.4	1.8	90.2	2.4
6	Liv, Vis, lnNEV, BL, Tars	91.0	2.8	90.7	3.3
7	Liv, Vis, lnNEV, BL, Tars	90.5	2.5	90.3	2.5
8	Liv, Vis, lnNEV, BL, Tars	90.7	2.7	90.3	3.4
9	Liv, Vis, lnNEV, BL, Tars	90.5	2.5	90.1	2.9
10	Liv, Vis, lnNEV, BL, Tars	90.5	2.3	90.2	2.4
11	Liv, Vis, lnNEV, BL, Tars	90.2	1.6	89.9	1.4
12	Liv, Vis, lnNEV, BL, Tars	90.2	1.6	89.9	1.4
13	Liv, Vis, lnNEV, BL, Tars	90.4	1.7	90.0	1.9
14	Liv, Vis, lnNEV, BL, Tars	90.8	1.8	90.2	3.5
15	Liv, Vis, lnNEV, BL, Tars	90.5	1.7	90.2	1.9
16	Liv, Vis, lnNEV, BL, Tars	90.5	2.3	90.2	2.4
17	Liv, Vis, lnNEV, BL, Tars	90.2	1.5	89.9	1.4
18	Liv, Vis, lnNEV, BL, Tars	90.9	2.4	90.8	1.3
19	Liv, Vis, lnNEV, BL, Tars	90.3	1.4	90.0	1.4
20	Liv, Vis, lnNEV, BL, Tars	90.6	2.7	90.4	2.7
21	Liv, Vis, lnNEV, BL, Tars	90.2	1.4	89.9	1.4
22	Liv, Vis, lnNEV, BL, Tars	90.3	1.5	90.0	1.4
23	Liv, Vis, lnNEV, BL, Tars	90.3	1.4	90.1	1.4
24	Liv, Vis, lnNEV, BL, Tars	90.3	1.6	90.0	1.7
25	Liv, Vis, lnNEV, BL, Tars	90.1	1.4	89.9	1.3
26	Liv, Vis, lnNEV, BL, Tars	90.8	1.5	90.7	1.0
27	Liv, Vis, lnNEV, BL, Tars	90.3	1.6	90.0	1.9
28	Liv, Vis, lnNEV, BL, Tars	90.2	1.4	90.0	1.2
29	Liv, Vis, lnNEV, BL, Tars	90.3	1.2	90.1	1.1
30	Liv, Vis, lnNEV, BL, Tars	90.3	1.3	90.0	1.4
31	Liv, Vis, lnNEV, BL, Tars	90.3	1.3	90.0	1.4
32	Liv, Vis, lnNEV, BL, Tars	90.5	1.5	90.3	1.4
33	Liv, Vis, lnNEV, BL, Tars	90.3	1.4	90.0	1.3
34	Liv, Vis, lnNEV, BL, Tars	90.6	1.6	90.3	1.7
35	Liv, Vis, lnNEV, BL, Tars	90.3	1.6	90.0	1.8
36	Liv, Vis, lnNEV, BL, Tars	89.9	1.9	89.6	2.1
37	Liv, Vis, lnNEV, BL, Tars	90.4	1.4	90.0	2.0
38	Liv, Vis, lnNEV, BL, Tars	90.6	1.6	90.4	1.3
39	Liv, Vis, lnNEV, BL, Tars	91.0	1.9	91.0	1.1
40	Liv, Vis, lnNEV, BL, Tars	90.5	1.5	90.3	1.3
41	Liv, Vis, lnNEV, BL, Tars	90.7	1.6	90.3	1.2
42	Liv, Vis, lnNEV, BL, Tars	90.3	1.6	90.0	1.8

43	Liv, Vis, lnNEV, BL, Tars	89.8	1.7	89.5	1.7
44	Liv, Vis, lnNEV, BL, Tars	90.3	1.4	89.9	2.0
45	Liv, Vis, lnNEV, BL, Tars	89.3	1.6	89.0	1.8
46	Liv, Vis, lnNEV, BL, Tars	89.5	1.9	89.1	2.7
47	Liv, Vis, lnNEV, BL, Tars	90.2	1.6	89.9	1.7
48	Liv, Vis, lnNEV, BL, Tars	90.7	1.9	90.4	1.9
49	Liv, Vis, lnNEV, BL, Tars	89.8	2.0	89.6	1.8
50	Liv, Vis, lnNEV, BL, Tars	89.8	1.7	89.6	1.6
51	Liv, Vis, lnNEV, BL, Tars	89.8	1.6	89.5	1.6
52	Liv, Vis, lnNEV, BL, Tars	90.3	1.9	90.0	1.9
		<u>With lnNEV</u>		<u>W/out lnNEV</u>	
Mean		90.35	1.75	90.06	2.146
SD		0.346	0.394	0.362	2.076
SE		0.048	0.055	0.050	0.288
Min		89.3	1.2	89.0	1.0
Max		91.0	1.5	90.3	2.33

IX. SUBSET = LARGE

Y = LIPID

Leave Out	Best	\pm lnNEV			
Case #	Best Subset	aR ²	Cp	aR ²	Cp
All	Liv,VisBL,BW,BDWing,Tail,lnNEV	95.4	7.4	90.3	8.0
1	Liv,VisBL,BW,BDWing,Tail,lnNEV	94.5	9.0	84.9	8.0
2	<i>Liv, Vis, Bl, BW, BD</i>	96.9	3.8	n/a	
	Liv,VisBL,BW,BDWing,Tail,lnNEV	94.5	9.0	94.9	8.0
3	<i>Vis, BL, BW, lnNEV</i>	98.7	1.7	n/a	
	Liv,VisBL,BW,BDWing,Tail,lnNEV	97.1	9.0	97.8	8.0
4	Liv,VisBL,BW,BDWing,Tail,lnNEV	93.0	9.0	88.8	8.0
5	<i>Liv, Vis, BW, Wing, lnNEV</i>	94.6	8.0	n/a	
	Liv,VisBL,BW,BDWing,Tail,lnNEV	93.3	9.0	87.7	8.0
6	<i>Liv, BL, lnNEV, Tail</i>	95.1	2.6	n/a	
	Liv,VisBL,BW,BDWing,Tail,lnNEV	91.9	9.0	85.5	8.0
7	Liv,VisBL,BW,BDWing,Tail,lnNEV	96.1	9.0	90.5	9.0
8	Liv,VisBL,BW,BDWing,Tail,lnNEV	96.9	9.0	86.5	8.0
9	Liv,VisBL,BW,BDWing,Tail,lnNEV	94.5	9.0	90.6	8.0
10	Liv,VisBL,BW,BDWing,Tail,lnNEV	94.3	9.0	89.1	8.0
11	Liv,VisBL,BW,BDWing,Tail,lnNEV	99.9	9.0	91.7	8.0
12	Liv,VisBL,BW,BDWing,Tail,lnNEV	93.6	9.0	88.1	8.0
		<u>With lnNEV</u>		<u>W/out lnNEV</u>	
	Mean	94.97	9.0	89.67	8.08
	SD	2.194	0.00	3.77	0.289
	SE	0.633	0.00	1.09	0.083
	Min	91.9	9.0	84.9	8.0
	Max	99.9	9.0	97.8	9.0

X. SUBSET = MEDIUM

Y = LIPID

Leave Out Case #	Best Subset	Best aR ²	Cp	+/- <i>lnNEV</i> aR ²	Cp
All	Vis,Tars,Tail	95.3	-0.3	95.1	5.0
1	Vis,Tars,Tail	95.3	-0.5	95.1	5.0
2	Vis,Tars,Tail	95.5	-1.3	95.3	5.0
3	Vis,Tars,Tail	96.7	-0.8	96.6	5.0
4	Vis,Tars,Tail	95.2	-0.4	95.0	5.0
5	Vis,Tars,Tail	95.3	-0.5	95.1	5.0
6	Vis,Tars,Tail	95.6	-1.0	95.5	5.0
7	Vis,Tars,Tail	95.9	0.0	95.7	5.0
8	Vis,Tars,Tail	95.7	2.8	95.6	5.0
9	Vis,Tars,Tail	94.7	-0.5	94.4	5.0
10	<i>Liv, Vis, Tars, Head</i>	97.3	1.3	n/a	
	<i>Vis, Tars, Tail</i>	96.1	3.1	95.9	5.0
11	Vis,Tars,Tail	95.2	-0.6	95.0	5.0
12	Vis,Tars,Tail	95.3	-0.3	95.1	5.0
13	Vis,Tars,Tail	95.4	-0.6	95.3	5.0
14	Vis,Tars,Tail	95.3	-0.5	95.1	5.0
15	Vis,Tars,Tail	95.2	-0.5	95.0	5.0
16	Vis,Tars,Tail	95.2	-0.5	95.0	5.0
17	Vis,Tars,Tail	95.3	0.6	95.1	5.0
18	Vis,Tars,Tail	93.9	1.4	93.6	5.0
19	Vis,Tars,Tail	95.6	0.7	95.4	5.0
20	Vis,Tars,Tail	95.3	-0.9	95.1	5.0
21	Vis,Tars,Tail	93.3	-0.6	93.0	5.0
22	Vis,Tars,Tail	95.2	0.1	95.0	5.0
		<u>W/out <i>lnNEV</i></u>		<u>With <i>lnNEV</i></u>	
	Mean	95.28	-0.036	95.09	5.0
	SD	0.68	1.138	0.725	0.00
	SE	0.145	0.243	0.154	0.00
	Min	93.3	-1.3	93.0	5.0
	Max	96.7	3.1	96.6	5.0

XI. SUBSET = SMALL BIRDS

Y = LIPID

Leave Out Case #	Best Subset	Best aR ²	Cp	+/- <i>lnNEV</i> aR ²	Cp
All	Liv, Vis, BD, Tail, Head	85.4	2.1	84.5	3.8

1	Liv, Vis, BD, Tail, Head	84.9	1.9	83.8	3.7
2	<i>Liv, lnNEV, Vis, BL, Tars, Tail, Head</i>	<i>90.2</i>	<i>5.5</i>	<i>90.1</i>	<i>4.3</i>
	<i>Liv, Vis, BD, Tail, Head</i>	<i>86.5</i>	<i>6.0</i>		
3	Liv, Vis, BD, Tail, Head	85.2	2.1	n/a	
4	Liv, Vis, BD, Tail, Head	84.6	1.9	83.6	3.6
5	Liv, Vis, BD, Tail, Head	84.6	1.9	83.6	3.7
6	Liv, Vis, BD, Tail, Head	85.0	2.0	84.0	7.0
7	<i>Liv, lnNEV, Vis, BW, Wing, Head</i>	<i>90.6</i>	<i>3.3</i>	<i>n/a</i>	
	<i>Liv, Vis, BD, Tail, Head</i>	<i>85.5</i>	<i>6.0</i>	<i>84.5</i>	<i>7.0</i>
8	<i>Vis, BD, Tail, Head</i>	<i>84.9</i>	<i>0.7</i>	<i>n/a</i>	
	<i>Liv, Vis, BD, Tail, Head</i>	<i>85.5</i>	<i>6.0</i>	<i>84.5</i>	<i>7.0</i>
9	Vis, BL, BD, Tail	87.3	-0.7	86.8	1.5
	<i>Liv, Vis, BD, Tail, Head</i>	<i>87.1</i>	<i>6.0</i>		
10	<i>lnNEV, Vis, BW, BD, Head</i>	<i>90.3</i>	<i>2.2</i>	<i>87.7</i>	<i>2.9</i>
	<i>Liv, Vis, BD, Tail, Head</i>	<i>87.7</i>	<i>6.0</i>		
11	Liv, Vis, BD, Tail, Head	85.3	1.9	84.7	3.5
12	Liv, lnNEV, Vis, BL, Head	85.2	1.8	n/a	
	<i>Liv, Vis, BD, Tail, Head</i>	<i>84.8</i>	<i>6.0</i>	<i>84.0</i>	<i>7.0</i>
13	Liv, Vis, BD, Wing, Tail, Head	93.1	3.3	n/a	
	<i>Liv, Vis, BD, Tail, Head</i>	<i>87.3</i>	<i>6.0</i>	<i>86.2</i>	<i>7.0</i>
14	Liv, Vis, BD, Tail, Head	82.7	2.3	81.7	4.0
15	Liv, Vis, BL, BW, Tail, Head	90.2	3.2	n/a	
	<i>Liv, Vis, BD, Tail, Head</i>	<i>88.9</i>	<i>6.0</i>	<i>87.9</i>	<i>7.0</i>
16	Liv, lnNEV, Vis, Wing, Tail, Head	78.4	3.5	n/a	
	<i>Liv, Vis, BD, Tail, Head</i>	<i>77.3</i>	<i>6.0</i>	<i>76.3</i>	<i>7.0</i>
17	Liv, Vis, BD, Tail, Head	84.5	1.9	83.4	4.8
18	Liv, lnNEV, Vis, BD, Head	88.8	1.6	n/a	
	<i>Liv, Vis, BD, Tail, Head</i>	<i>86.7</i>	<i>6.0</i>	<i>88.2</i>	<i>7.0</i>
		<u>W/out lnNEV</u>		<u>With lnNEV</u>	
Mean		85.25	4.11	84.75	5.1
SD		2.53	2.067	2.998	1.864
SE		0.612	0.501	0.707	0.439
Min		77.3	1.9	76.3	1.5
Max		84.6	6.0	90.1	7.0

(out of 18 runs) variable chosen:

Liv	15
Vis	18
BL	4
BW	3
BD	14
Wing	3
Tars	1
Tail	15
Head	17

XII. SUBSET = OVEN
Y = LIPID

Leave Out Case #	Best Subset	Best aR ²	Cp	+/- lnNEV aR ²	Cp
All	Liv, Vis, Head	95.8	2.8	95.8	5.0
1	Liv, Vis, Head, lnNEV	96.3	3.1	96.2	1.9
2	Liv, Vis, Head, lnNEV	6.2	3.6	95.8	2.8
3	<i>Liv, Vis, BD, lnNEV</i>	<i>98.2</i>	<i>3.4</i>	<i>n/a</i>	
	<i>Liv, Vis, Head</i>	<i>97.3</i>	<i>4.0</i>	<i>97.5</i>	<i>5.0</i>
4	Liv, Vis, Head	95.8	1.7	95.5	3.2
5	Liv, Vis, Head	98.1	4.0	96.1	3.0
6	Liv, Vis, Head	97.8	2.0	97.7	3.6
7	<i>Liv, Vis, Tail, Head</i>	<i>96.1</i>	<i>3.3</i>	<i>n/a</i>	
	<i>Liv, Vis, Head</i>	<i>95.6</i>	<i>2.5</i>	<i>95.4</i>	<i>5.0</i>
8	Liv, Vis, BD	96.4	1.2	<i>n/a</i>	
	<i>Liv, Vis, Head</i>	<i>94.4</i>	<i>4.0</i>	<i>93.9</i>	<i>5.0</i>
9	<i>Liv, Vis, lnNEV</i>	<i>96.6</i>	<i>1.6</i>	<i>n/a</i>	
	<i>Liv, Vis, Head</i>	<i>95.5</i>	<i>2.7</i>	<i>96.0</i>	<i>5.0</i>
10	<i>Liv, Vis, Tail, Head</i>	<i>96.1</i>	<i>3.9</i>	<i>n/a</i>	
	<i>Liv, Vis, Head</i>	<i>96.0</i>	<i>2.7</i>	<i>95.6</i>	<i>5.0</i>
11	Liv, Vis, Head	95.6	2.1	95.5	3.5
		<u>W/out lnNEV</u>		<u>With lnNEV</u>	
	Mean	96.19	2.76	95.97	4.09
	SD	1.104	0.87	1.034	0.89
	SE	0.333	0.262	0.312	0.268
	Min	94.4	1.7	93.9	3.0
	Max	98.1	4.0	97.7	5.0

XIII. Subset = AMRE
Y = LIPID

Leave Out Case #	Best Subset	Best aR ²	Cp	+/- lnNEV aR ²	Cp
ALL	Vis,Head	95.4	1.0	94.0	3.0
1	<i>Vis, lnNEV</i>	<i>95.8</i>	<i>1.1</i>	<i>n/a</i>	
	<i>Vis, Head</i>	<i>95.4</i>	<i>1.2</i>	<i>93.8</i>	<i>3.1</i>
2	<i>Liv, Vis</i>	<i>96.5</i>	<i>1.1</i>	<i>n/a</i>	
	<i>Vis, Head</i>	<i>96.2</i>	<i>1.2</i>	<i>94.4</i>	<i>4.0</i>
3	Vis,Head	96.8	1.4	96.7	3.0
4	<i>Vis, lnNEV</i>	<i>97.7</i>	<i>1.6</i>	<i>n/a</i>	

	<i>Vis,Head</i>	96.2	2.7	97.1	3.3
5	<i>Liv,Vis,Head,lnNEV</i>	98.0	5.0	n/a	
	<i>Vis,Head</i>	96.4	5.3	94.9	7.1
6	<i>Liv,Vis,Head,lnNEV</i>	99.3	5.0	n/a	
	<i>Vis,Head</i>	93.9	25.6	91.0	4.0
7	<i>Vis</i>	92.6	-0.5	n/a	
	<i>Vis,Head</i>	91.4	2.1	87.5	4.0
		<u>W/out <i>lnNEV</i></u>		<u>With <i>lnNEV</i></u>	
Mean		95.19	5.64	93.63	4.07
SD		1.922	8.92	3.37	1.407
SE		0.727	3.37	1.27	0.532
Min		91.4	1.2	87.5	3.0
Max		96.8	25.6	97.1	7.1

XIV. Subset = Warblers
Y = LIPID

Leave Out Case #	Best Subset	Best		+/- <i>lnNEV</i>	
		aR ²	Cp	aR ²	Cp
ALL	Liv,Vis,BL,BD,Tail,lnNEV	87.3	4.2	86.6	4.6
1	Liv,Vis,BL,BD,Tail,lnNEV	87.0	4.2	86.8	3.6
2	Liv,Vis,BL,BD,Tail,lnNEV	87.3	4.3	87.1	4.0
3	Liv,Vis,BL,BD,Tail,lnNEV	87.7	4.2	87.3	3.8
4	Liv,Vis,BL,BD,Tail,lnNEV	87.2	4.1	87.0	3.5
5	Liv,Vis,BL,BD,Tail,lnNEV	87.5	3.8	87.0	3.6
6	Liv,Vis,BL,BD,Tail,lnNEV	87.7	3.9	87.3	3.7
7	Liv,Vis,BL,BD,Tail,lnNEV	87.4	4.2	87.1	3.8
8	<i>Liv,Vis,BL,BD,Tail,Wing</i>	87.5	3.9	n/a	
	<i>Liv,Vis,BL,BD,Tail,lnNEV</i>	87.3	4.3	87.3	3.2
9	Liv,Vis,BL,BD,Tail,lnNEV	87.0	4.4	86.8	3.8
10	Liv,Vis,BL,BD,Tail,lnNEV	87.3	4.2	87.0	3.8
11	Liv,Vis,BL,BD,Tail,lnNEV	87.5	4.5	86.8	4.8
12	Liv,Vis,BL,BD,Tail,lnNEV	88.0	4.1	87.6	3.9
13	<i>Liv,Vis,BL,BD,Tail,Wing</i>	87.4	4.1	n/a	
	<i>Liv,Vis,BL,BD,Tail,lnNEV</i>	87.2	7.0	85.7	8.5
15	<i>Liv,Vis,BL,BD,Tars,Tail</i>	87.7	4.4	n/a	
	<i>Liv,Vis,BL,BD,Tail,lnNEV</i>	87.4	7.0	87.2	6.5
16	<i>Liv,Vis,BL,BD,Tail,Head</i>	87.6	3.8	n/a	
	<i>Liv,Vis,BL,BD,Tail,lnNEV</i>	87.2	7.0	87.1	6.3
17	<i>Liv,Vis,BL,BD,Tars,Tail</i>	89.9	5.2	n/a	
	<i>Liv,Vis,BL,BD,Tail,lnNEV</i>	89.7	5.6	89.4	5.4

18	Liv,Vis,BL,BD,Tail,lnNEV	87.0	4.4	86.8	3.8
19	Liv,Vis,BL,BD,Tail,lnNEV	87.0	4.1	86.9	3.3
20	Liv,Vis,BL,BD,Tail,lnNEV	87.4	4.0	87.1	3.3
21	Liv,Vis,BL,BD,Tail,lnNEV	87.6	4.4	87.3	3.8
22	Liv,Vis,BL,BD,Tail,lnNEV	87.8	5.2	87.3	5.3
23	Liv,Vis,BL,BD,Tail,lnNEV	84.8	4.0	85.6	3.2
24	<i>Liv,Vis,BD,Tail,lnNEV</i>	<i>87.0</i>	<i>3.2</i>	<i>n/a</i>	
	<i>Liv,Vis,BL,BD,Tail,lnNEV</i>	<i>87.1</i>	<i>4.1</i>	<i>86.8</i>	<i>3.8</i>
25	Liv,Vis,BL,BD,Tail,lnNEV	87.2	4.2	86.9	3.6
26	Liv,Vis,BL,BD,Tail,lnNEV	87.4	4.4	87.0	4.2
27	Liv,Vis,BL,BD,Tail,lnNEV	87.0	4.2	86.8	3.6
28	Liv,Vis,BL,BD,Tail,lnNEV	87.5	4.4	87.2	4.0
29	Liv,Vis,BL,BD,Tail,lnNEV	87.1	4.2	86.8	3.6
30	<i>Liv,Vis,BL,BD,Tars,Tail</i>	<i>88.2</i>	<i>4.3</i>	<i>n/a</i>	
	<i>Liv,Vis,BL,BD,Tail,lnNEV</i>	<i>87.9</i>	<i>7.0</i>	<i>87.7</i>	<i>6.4</i>
31	Liv,Vis,BL,BD,Tail,lnNEV	87.7	4.7	87.5	3.9
32	Liv,Vis,BL,BD,Tail,lnNEV	84.3	4.4	83.7	4.2
33	<i>Liv,Vis,BL,BD,Tail,Head</i>	<i>88.3</i>	<i>4.7</i>	<i>n/a</i>	
	<i>Liv,Vis,BL,BD,Tail,lnNEV</i>	<i>88.3</i>	<i>4.8</i>	<i>87.7</i>	<i>5.0</i>
34	Liv,Vis,BL,BD,Tail,lnNEV	87.0	4.2	86.8	3.6
35	<i>Liv,Vis,BL,BD,Tail,Head</i>	<i>83.9</i>	<i>3.2</i>	<i>n/a</i>	
	<i>Liv,Vis,BL,BD,Tail,lnNEV</i>	<i>83.0</i>	<i>7.0</i>	<i>83.3</i>	<i>5.6</i>
36	Liv,Vis,BL,BD,Tail,lnNEV	87.2	4.6	87.0	3.8
		<u>With lnNEV</u>		<u>W/out lnNEV</u>	
Mean		87.16	4.72	86.88	4.29
SD		1.12	1.00	1.028	1.168
SE		0.189	0.17	0.174	0.197
Min		83	3.8	83.3	3.2
Max		89.7	7.0	89.4	8.5