

Table 1: ANOVA data. Order?

Variable	Stable	Plastic	F-Value	Corrected Alpha	p-Value
Syllable rep final	2.0085	4.0433	41.7621	0.0071	0.001*
Syllable rep min	1.8901	3.8334	40.9429	0.0071	0.001*
Syllable rep max	2.0708	4.1622	41.086	0.0071	0.001*
Song rep final	1.2715	4.0179	32.4078	0.0083	0.001*
Song rep min	1.0193	3.4341	36.1792	0.0083	0.001*
Song rep max	1.353	4.3733	33.2005	0.0083	0.001*
Syll song max	1.335	2.5406	9.7568	0.01	0.07
Syll song final	1.2871	2.359	9.3669	0.01	0.078
Syll song min	1.2123	1.8494	5.6926	0.01	0.201
Duration max	0.8017	1.3853	2.356	0.0125	0.389
Duration final	0.7858	1.2927	1.9851	0.0125	0.432
Continuity	-1.3274	-1.0286	1.9026	0.0167	0.509
Interval max	1.682	1.2852	1.6894	0.025	0.534
Duration min	0.7625	1.1234	1.251	0.0125	0.558
Interval final	1.5987	1.218	1.3307	0.025	0.579
Interval min	1.4033	0.9398	0.8588	0.025	0.655
Song rate	1.8978	2.0971	0.606	0.05	0.702

Table 2: Min/Max Values, Also include the finals? Order? Missing EPP. Add corrected alphas?

Group	One-Rate Model	Two-Rate Model	p-Value
Song rate	-43.6111	-39.0486	0.003*
Continuity	-26.6192	-26.0083	0.269
Interval max	-44.2755	-39.3999	0.002*
Interval min	-58.9869	-57.1737	0.057
Interval final	-45.7435	-41.7043	0.004*
Duration max	-74.4	-68.0492	<0.001*
Duration min	-65.9076	-62.4134	0.008*
Duration final	-71.446	-66.1294	0.001*
Song rep max	-114.8711	-114.262	0.27
Song rep min	-96.6532	-96.4026	0.479
Song rep final	-108.4187	-108.2635	0.577
Syll song max	-113.5196	-99.6948	<0.001*
Syll song min	-84.2999	-82.8848	0.093
Syll song final	-105.515	-95.4003	<0.001*
Syllable rep max	-119.908	-119.3887	0.308
Syllable rep min	-113.6678	-113.4656	0.525
Syllable rep final	-115.1413	-114.9228	0.509
Polygyny final	-46.7425	-46.4767	0.466

Table 3: Do not add the call data. Waat it?

Variable	Family Removed	Stable	Plastic	F-Value	Corrected Alpha	p-Value
Duration	Acrocephalidae	0.7858	1.5596	4.6683	0.0125	0.161
Duration	Emberizidae	0.7858	1.3495	2.095	0.0125	0.363
Duration	Fringillidae	0.6331	1.1605	2.273	0.0125	0.428
Duration	Icteridae	0.8125	1.4276	2.5694	0.0125	0.429
Duration	Mimidae	0.8239	1.2927	1.1648	0.0125	0.439
Duration	Muscicapidae	0.7858	1.3928	2.6278	0.0125	0.443
Duration	Parulidae	0.8209	1.2927	1.4742	0.0125	0.489
Duration	Passerellidae	0.7874	0.9735	0.3763	0.0125	0.787
Interval	Acrocephalidae	1.5987	1.0449	2.5837	0.025	0.331
Interval	Emberizidae	1.8308	1.3251	2.9201	0.025	0.405
Interval	Fringillidae	1.5987	1.0659	2.5164	0.025	0.482
Interval	Icteridae	1.5718	1.1387	1.3989	0.025	0.612
Interval	Mimidae	1.5728	1.218	1.1043	0.025	0.625
Interval	Muscicapidae	1.5031	1.218	0.6157	0.025	0.677
Interval	Parulidae	1.4593	1.218	0.3878	0.025	0.732
Interval	Passerellidae	1.5987	1.6071	9e-04	0.025	0.994
Song	Acrocephalidae	1.8978	2.1768	1.0362	0.05	0.558
Song	Emberizidae	1.8978	1.7406	0.7583	0.05	0.605
Song	Fringillidae	1.8978	2.1642	0.9841	0.05	0.667
Song	Icteridae	1.9659	2.1804	0.7127	0.05	0.695
Song	Mimidae	1.8878	2.0971	0.4786	0.05	0.7
Song	Muscicapidae	1.9034	2.0971	0.4608	0.05	0.732
Song	Parulidae	1.9043	2.0971	0.5379	0.05	0.742
Song	Passerellidae	1.8839	2.0942	0.5346	0.05	0.768
Song rep	Acrocephalidae	1.205	3.8787	29.49	0.0083	0.001*
Song rep	Emberizidae	1.2576	4.0179	29.2291	0.0083	0.001*
Song rep	Fringillidae	1.1303	4.2353	43.0111	0.0083	0.001*
Song rep	Icteridae	1.2715	3.4912	20.9511	0.0083	0.001*
Song rep	Mimidae	1.2715	3.799	24.8704	0.0083	0.001*
Song rep	Muscicapidae	1.2734	4.2699	36.7003	0.0083	0.001*
Song rep	Parulidae	1.2165	3.8563	27.6509	0.0083	0.002*
Song rep	Passerellidae	1.4049	4.1762	25.9816	0.0083	0.002*
Syll song	Acrocephalidae	1.2207	2.422	11.8976	0.01	0.06
Syll song	Emberizidae	1.2515	2.359	9.036	0.01	0.062
Syll song	Fringillidae	1.2871	2.417	9.0216	0.01	0.065
Syll song	Icteridae	1.2759	2.5087	11.2491	0.01	0.084
Syll song	Mimidae	1.2656	2.4274	9.5546	0.01	0.105
Syll song	Muscicapidae	1.4322	2.359	5.3541	0.01	0.11
Syll song	Parulidae	1.2871	2.436	9.9891	0.01	0.113
Syll song	Passerellidae	1.2871	1.8406	4.5644	0.01	0.168
Syllable rep	Acrocephalidae	1.9587	4.1353	49.4976	0.0071	0.001*
Syllable rep	Emberizidae	2.0084	4.0433	37.5914	0.0071	0.001*
Syllable rep	Fringillidae	1.9532	4.0565	37.5607	0.0071	0.001*
Syllable rep	Icteridae	1.9511	4.0708	41.1954	0.0071	0.001*
Syllable rep	Mimidae	2.0085	3.6686	32.9261	0.0071	0.001*
Syllable rep	Muscicapidae	2.0199	3.9745	37.3105	0.0071	0.001*
Syllable rep	Parulidae	2.017	4.2097	47.7262	0.0071	0.001*
Syllable rep	Passerellidae	2.1331	4.0814	32.4785	0.0071	0.001*

Table 4: I think it's in order

Group	Family Removed	One-Rate Model	Two-Rate Model	p-Value
Duration final	None	-64.257	-57.1588	<0.001*
Duration final	Acrocephalidae	-53.8896	-52.4267	0.087
Duration final	Emberizidae	-64.5013	-59.872	0.002*
Duration final	Fringillidae	-68.2428	-63.4557	0.002*
Duration final	Icteridae	-71.446	-66.1294	0.001*
Duration final	Mimidae	-68.0418	-64.4014	0.007*
Duration final	Muscicapidae	-69.5007	-64.2152	0.001*
Duration final	Parulidae	-68.6623	-62.4149	<0.001*
Duration final	Passerellidae	-64.1314	-60.9289	0.011*
Interval final	None	-38.8204	-32.7958	0.001*
Interval final	Acrocephalidae	-44.687	-41.0076	0.007*
Interval final	Emberizidae	-38.2762	-35.2314	0.014*
Interval final	Fringillidae	-43.6899	-40.2241	0.008*
Interval final	Icteridae	-45.7435	-41.7043	0.004*
Interval final	Mimidae	-42.7687	-39.7137	0.013*
Interval final	Muscicapidae	-43.9067	-39.769	0.004*
Interval final	Parulidae	-35.9688	-34.5783	0.095
Interval final	Passerellidae	-41.7493	-38.8285	0.016*
Song rate	None	-36.9543	-29.5234	<0.001*
Song rate	Acrocephalidae	-42.6676	-38.444	0.004*
Song rate	Emberizidae	-33.8912	-31.327	0.024*
Song rate	Fringillidae	-41.7483	-37.9326	0.006*
Song rate	Icteridae	-43.6111	-39.0486	0.003*
Song rate	Mimidae	-41.1093	-37.9529	0.012*
Song rate	Muscicapidae	-42.0655	-37.4982	0.003*
Song rate	Parulidae	-36.0979	-33.3061	0.018*
Song rate	Passerellidae	-39.904	-36.4006	0.008*
Song rep final	None	-98.2789	-98.035	0.485
Song rep final	Acrocephalidae	-95.1424	-94.8654	0.457
Song rep final	Emberizidae	-101.284	-100.9296	0.4
Song rep final	Fringillidae	-102.3087	-102.1277	0.547
Song rep final	Icteridae	-108.4187	-108.2635	0.577
Song rep final	Mimidae	-102.3833	-102.2711	0.636
Song rep final	Muscicapidae	-99.542	-99.0294	0.311
Song rep final	Parulidae	-101.437	-101.2221	0.512
Song rep final	Passerellidae	-93.906	-93.7771	0.612
Syll song final	None	-97.0668	-84.0541	<0.001*
Syll song final	Acrocephalidae	-98.8075	-89.4999	<0.001*
Syll song final	Emberizidae	-67.072	-65.9377	0.132
Syll song final	Fringillidae	-100.3308	-91.0796	<0.001*
Syll song final	Icteridae	-105.515	-95.4003	<0.001*
Syll song final	Mimidae	-99.2571	-89.6643	<0.001*
Syll song final	Muscicapidae	-102.4934	-92.4344	<0.001*
Syll song final	Parulidae	-101.5469	-90.2989	<0.001*
Syll song final	Passerellidae	-93.2162	-84.7065	<0.001*
Syllable rep final	None	-104.5746	-104.1313	0.346
Syllable rep final	Acrocephalidae	-105.8758	-105.6436	0.496
Syllable rep final	Emberizidae	-106.7329	-106.3077	0.356
Syllable rep final	Fringillidae	-110.3641	-110.1846	0.549
Syllable rep final	Icteridae	-115.1413	-114.9228	0.509
Syllable rep final	Mimidae	-109.9331	-109.7074	0.502
Syllable rep final	Muscicapidae	-108.6157	-108.4003	0.512
Syllable rep final	Parulidae	-106.139	-105.9175	0.506
Syllable rep final	Passerellidae	-94.7092	-92.8835	0.056

Table 5: Mimid brownies, proly fine?

Group	Removed Species	One-Rate Model	Two-Rate Model	p-Value
Syl Song	Mimus gilvus	-77.7155	-77.4441	0.461
Syl Song	Mimus polyglottos	-84.376	-82.5821	0.058
Syl Song	Toxostoma rufum	-102.932	-92.9691	<0.001*
Syl Song	Dumetella carolinensis	-103.0273	-93.1399	<0.001*

Table 6: Lincolnii ANOVA

Variable	Stable	Plastic	F-Value	Corrected Alpha	p-Value
Syllable rep final	2.0357	4.0814	41.8787	0.0071	0.001*
Syllable rep min	1.9205	3.8636	40.3307	0.0071	0.001*
Syllable rep max	2.0963	4.2047	41.5793	0.0071	0.001*
Song rep final	1.2545	4.1762	38.7502	0.0083	0.001*
Song rep min	1.0097	3.5646	42.7767	0.0083	0.001*
Song rep max	1.3336	4.5485	39.8499	0.0083	0.001*
Syll song max	1.335	2.5406	9.7568	0.01	0.07
Syll song final	1.2871	2.359	9.3669	0.01	0.078
Syll song min	1.2123	1.8494	5.6926	0.01	0.201
Duration max	0.8017	1.3853	2.356	0.0125	0.389
Duration final	0.7858	1.2927	1.9851	0.0125	0.432
Continuity	-1.3274	-1.0286	1.9026	0.0167	0.509
Interval max	1.682	1.2852	1.6894	0.025	0.534
Duration min	0.7625	1.1234	1.251	0.0125	0.558
Interval final	1.5987	1.218	1.3307	0.025	0.579
Interval min	1.4033	0.9398	0.8588	0.025	0.655
Song rate	1.8978	2.0971	0.606	0.05	0.702

Table 7: Lincolnii Brownie

Group	One-Rate Model	Two-Rate Model	p-Value
Song rate	-43.6111	-39.0486	0.003*
Continuity	-26.6192	-26.0083	0.269
Interval max	-44.2755	-39.3999	0.002*
Interval min	-58.9869	-57.1737	0.057
Interval final	-45.7435	-41.7043	0.004*
Duration max	-74.4	-68.0492	<0.001*
Duration min	-65.9076	-62.4134	0.008*
Duration final	-71.446	-66.1294	0.001*
Song rep max	-114.8711	-114.338	0.302
Song rep min	-96.6532	-96.3843	0.463
Song rep final	-108.4187	-108.271	0.587
Syll song max	-113.5196	-99.6948	<0.001*
Syll song min	-84.2999	-82.8848	0.093
Syll song final	-105.515	-95.4003	<0.001*
Syllable rep max	-119.908	-119.6094	0.44
Syllable rep min	-113.6678	-113.5107	0.575
Syllable rep final	-115.1413	-114.9815	0.572
Polygyny final	-46.7425	-46.6004	0.594