Online Supplementary File 5

Fluctuating fire regimes and their historical effects on genetic variation in an endangered savanna specialist

Supplementary Table 1. Sample information, localities, and Genbank accession numbers

Supplementary Table 2. Primers used in loci amplification

Supplementary Figure 1. Bayesian phylogeny of selected *Vireo* lineages

Supplementary Table 1. Sample, locality, and locus information with Genbank accession numbers. Data and sample source codes are Barr *et al.* 2008 (1), Zink *et al.* 2010 (2), and new for this study (3). Loci sampled: ND2 is NADH deshydrogenase subunit 2 from mitochondrial DNA; MC1R is Melanocortin receptor 1; TGFB2-I5 is Transforming growth factor β-chain 2 – intron five; FIB5 is Beta fibrinogen - intron 5; IQGAP2 is Ras GTPase-activating-like protein; ADAMTS6 is ADAMTS6 variant 2; AETC is τ-crystalline/alpha enolase – intron 8; GAPDH is Glyceraldehyde-3-phosphate dehydrogenase – intron 11; LAMA2 is Lam2 Lamin gene – intron 3; and TROP6 is Tropomyosin – intron 6. Dashed lines (-) indicate samples did not amplify for a particular locus. Samples with a star (*) indicate a tissue specimen with high quality DNA. Unmarked samples come from feathers.

SAMPLE	Species	Country	State	Locality	Source	ND2	MC1R	TGFB2-I5	FIB5	IQGAP2	ADAMTS6	AETC	GADPH	LAMA2	TROP6
VA001	*Vireo atricapilla*	USA	1. Oklahoma	Fort Sill	2	FJ560600	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA002	*Vireo atricapilla*	USA	1. Oklahoma	Fort Sill	2	FJ560601	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA003	*Vireo atricapilla*	USA	1. Oklahoma	Fort Sill	2	FJ560602	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA004	*Vireo atricapilla*	USA	1. Oklahoma	Fort Sill	2	FJ560603	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA005	*Vireo atricapilla*	USA	1. Oklahoma	Fort Sill	2	FJ560604	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA006	*Vireo atricapilla*	USA	1. Oklahoma	Fort Sill	2	FJ560605	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA007	*Vireo atricapilla*	USA	1. Oklahoma	Fort Sill	2	FJ560606	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA008	*Vireo atricapilla*	USA	1. Oklahoma	Fort Sill	2	FJ560607	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA009	*Vireo atricapilla*	USA	1. Oklahoma	Fort Sill	2	FJ560608	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA010	*Vireo atricapilla*	USA	1. Oklahoma	Fort Sill	2	FJ560609	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA058	*Vireo atricapilla*	USA	2. Texas	Camp Barkeley	2	FJ560654	To be include	To be include	To be include	To be include	To be included	To be include	To be include	To be include	To be include

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VA059	*Vireo atricapilla*	USA	2. Texas	Camp Barkeley	2	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA060	*Vireo atricapilla*	USA	2. Texas	Camp Barkeley	2	FJ565655	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA061	*Vireo atricapilla*	USA	2. Texas	Camp Barkeley	2	FJ565656	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA125	*Vireo atricapilla*	USA	3. Texas	Quail's Ridge	2	FJ560695	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA126	*Vireo atricapilla*	USA	3. Texas	Quail's Ridge	2	FJ560696	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA127	*Vireo atricapilla*	USA	3. Texas	Quail's Ridge	2	FJ560697	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA128	*Vireo atricapilla*	USA	3. Texas	Quail's Ridge	2	FJ560698	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA129	*Vireo atricapilla*	USA	3. Texas	Quail's Ridge	2	FJ560699	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA130	*Vireo atricapilla*	USA	3. Texas	Quail's Ridge	2	FJ560700	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA131	*Vireo atricapilla*	USA	3. Texas	Quail's Ridge	2	FJ560701	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA132	*Vireo atricapilla*	USA	3. Texas	Quail's Ridge	2	FJ560702	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA133	*Vireo atricapilla*	USA	3. Texas	Quail's Ridge	2	FJ560703	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA134	*Vireo atricapilla*	USA	3. Texas	Quail's Ridge	2	FJ560704	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA135	*Vireo atricapilla*	USA	3. Texas	Quail's Ridge	2	FJ560705	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA023	*Vireo atricapilla*	USA	4. Texas	Fort Hood	2	FJ560620	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included

VA024	*Vireo atricapilla*	USA	4. Texas	Fort Hood	2	FJ560621	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA030	*Vireo atricapilla*	USA	4. Texas	Fort Hood	2	FJ560627	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA035	*Vireo atricapilla*	USA	4. Texas	Fort Hood	2	FJ560632	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA036	*Vireo atricapilla*	USA	4. Texas	Fort Hood	2	FJ560633	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA037	*Vireo atricapilla*	USA	4. Texas	Fort Hood	2	FJ560634	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA039	*Vireo atricapilla*	USA	4. Texas	Fort Hood	2	FJ560636	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA040	*Vireo atricapilla*	USA	4. Texas	Fort Hood	2	FJ560637	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA041	*Vireo atricapilla*	USA	4. Texas	Fort Hood	2	FJ560638	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA042	*Vireo atricapilla*	USA	4. Texas	Fort Hood	2	FJ560639	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA136	*Vireo atricapilla*	USA	4. Texas	Fort Hood	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA137	*Vireo atricapilla*	USA	4. Texas	Fort Hood	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA138	*Vireo atricapilla*	USA	4. Texas	Fort Hood	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA139	*Vireo atricapilla*	USA	4. Texas	Fort Hood	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA140	*Vireo atricapilla*	USA	4. Texas	Fort Hood	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA141	*Vireo atricapilla*	USA	4. Texas	Fort Hood	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA142	*Vireo*	USA	4. Texas	Fort Hood	3	To be	To be	To be	To be	To be	To be	To be	To be	To be	To be

	atricapilla					included	included	included	included	included	included	included	included	included	included
VA143	*Vireo atricapilla*	USA	4. Texas	Fort Hood	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA144	*Vireo atricapilla*	USA	4. Texas	Fort Hood	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA145	*Vireo atricapilla*	USA	4. Texas	Fort Hood	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA114	*Vireo atricapilla*	USA	5. Texas	Balcones Canyon Lands	2	FJ560684	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA156	*Vireo atricapilla*	USA	5. Texas	Balcones Canyon Lands	3	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA162	*Vireo atricapilla*	USA	5. Texas	Balcones Canyon Lands	3	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA164	*Vireo atricapilla*	USA	5. Texas	Balcones Canyon Lands	3	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA175	*Vireo atricapilla*	USA	6. Texas	San Antonio	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA176	*Vireo atricapilla*	USA	6. Texas	San Antonio	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA177	*Vireo atricapilla*	USA	6. Texas	San Antonio	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA178	*Vireo atricapilla*	USA	6. Texas	San Antonio	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA179	*Vireo atricapilla*	USA	6. Texas	San Antonio	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA180	*Vireo atricapilla*	USA	6. Texas	San Antonio	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA181	*Vireo atricapilla*	USA	6. Texas	San Antonio	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA182	*Vireo atricapilla*	USA	6. Texas	San Antonio	1	-	To be include	To be include	To be include	To be include	To be included	To be include	To be include	To be include	To be include

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VA183	*Vireo atricapilla*	USA	6. Texas	San Antonio	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA185	*Vireo atricapilla*	USA	6. Texas	San Antonio	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA115	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	2	FJ560685	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA116	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	2	FJ560686	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA117	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	2	FJ560687	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA149	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	3	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA150	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	3	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA151	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	3	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA152	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	3	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA153	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	3	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA199	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA200	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Managemen	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included

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VA201	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA202	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA203	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA204	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA205	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA206	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA207	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA208	*Vireo atricapilla*	USA	7. Texas	Kerr Wildlife Management A.	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA053	*Vireo atricapilla*	USA	8. Texas	Dobbs Mountains	2	FJ560649	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA054	*Vireo atricapilla*	USA	8. Texas	Dobbs Mountains	2	FJ560650	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA056	*Vireo atricapilla*	USA	8. Texas	Dobbs Mountains	2	FJ560652	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA044	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	2	FJ560641	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included

VA045	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	2	FJ560642	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA046	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	2	FJ560643	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA047	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	2	FJ560644	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA048	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	2	FJ560645	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA049	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	2	FJ560646	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA050	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	2	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA051	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	2	FJ560647	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA186	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA187	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA188	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA189	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA190	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA191	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA192	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA193	*Vireo atricapilla*	USA	9. Texas	Kickapoo Caverns	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA147	*Vireo*	USA	10. Texas	Devil's	3	-	To be	To be	To be	To be	To be	To be	To be	To be	To be

	atricapilla			Ridge			included	included	included	included	included	included	included	included	included
VA148	*Vireo atricapilla*	USA	10. Texas	Devil's Ridge	3	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA194	*Vireo atricapilla*	USA	10. Texas	Devil's Ridge	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA195	*Vireo atricapilla*	USA	10. Texas	Devil's Ridge	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA196	*Vireo atricapilla*	USA	10. Texas	Devil's Ridge	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA197	*Vireo atricapilla*	USA	10. Texas	Devil's Ridge	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA069	*Vireo atricapilla*	USA	11. Texas	Independence Creek	2	FJ560662	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA165	*Vireo atricapilla*	USA	11. Texas	Independence Creek	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA166	*Vireo atricapilla*	USA	11. Texas	Independence Creek	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA167	*Vireo atricapilla*	USA	11. Texas	Independence Creek	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA168	*Vireo atricapilla*	USA	11. Texas	Independence Creek	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA169	*Vireo atricapilla*	USA	11. Texas	Independence Creek	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA170	*Vireo atricapilla*	USA	11. Texas	Independence Creek	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA171	*Vireo atricapilla*	USA	11. Texas	Independence Creek	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA172	*Vireo atricapilla*	USA	11. Texas	Independence Creek	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA173	*Vireo atricapilla*	USA	11. Texas	Independence Creek	1	-	To be include	To be include	To be include	To be include	To be included	To be include	To be include	To be include	To be include

							d	d	d	d		d	d	d	d
VA174	*Vireo atricapilla*	USA	11. Texas	Independence Creek	1	-	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA090	*Vireo atricapilla*	Mexico	12. Nuevo León	Rancho Minas Viejas	2	FJ560664	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA091	*Vireo atricapilla*	Mexico	12. Nuevo León	Rancho Minas Viejas	2	FJ560665	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA092	*Vireo atricapilla*	Mexico	12. Nuevo León	Rancho Minas Viejas	2	FJ560666	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA093	*Vireo atricapilla*	Mexico	12. Tamaulipas	Carretera a Miquihuana km 9-11	2	FJ560667	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA094	*Vireo atricapilla*	Mexico	12. Coahuila	Pájaros Azules	2	FJ560668	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA095	*Vireo atricapilla*	Mexico	12. Tamaulipas	Carretera a Miquihuana km 9-11	2	FJ560669	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA096	*Vireo atricapilla*	Mexico	12. Tamaulipas	Carretera a Miquihuana km 9-12	2	FJ560670	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA097	*Vireo atricapilla*	Mexico	12. Tamaulipas	Carretera a Miquihuana km 9-13	2	FJ560671	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA099	*Vireo atricapilla*	Mexico	12. Tamaulipas	Carretera a Miquihuana km 9-14	2	FJ560673	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA100	*Vireo atricapilla*	Mexico	12. Tamaulipas	Carretera a Miquihuana km 9-15	2	FJ560674	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
VA103	*Vireo atricapilla*	Mexico	12. Tamaulipas	Carretera a Miquihuana km 9-16	2	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
OUTGROUPS				Common name											
JK08345*	*Vireo brevipennis*	Mexico	Oaxaca	Slaty vireo	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
YAGILA11*	*Vireo brevipenni*	Mexico	Oaxaca	Slaty vireo	3	To be included	To be include	To be include	To be include	To be include	To be included	To be include	To be include	To be include	To be include

	s						d	d	d	d		d	d	d	d
BCHVM71*	*Vireo vicinior*	Mexico	Baja California	Gray vireo	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
BCHVM16*	*Vireo lucasanus*	Mexico	Baja California Sur	San Lucas vireo	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
CONACYT725 *	*Vireo cassinii*	Mexico	Baja California Sur	Solitary vireo	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
RJC0861*	*Vireo huttoni*	USA	California	Hutton's vireo	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
RJC0823*	*Vireo gilvus*	USA	California	Warbling vireo	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
MJB1536*	*Vireolanius melitophrys*	Mexico	Jalisco	Chestnut-sided shrike-vireo	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included
BCHVM73*	*Corvus corax*	Mexico	Baja California	Common raven	3	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included	To be included

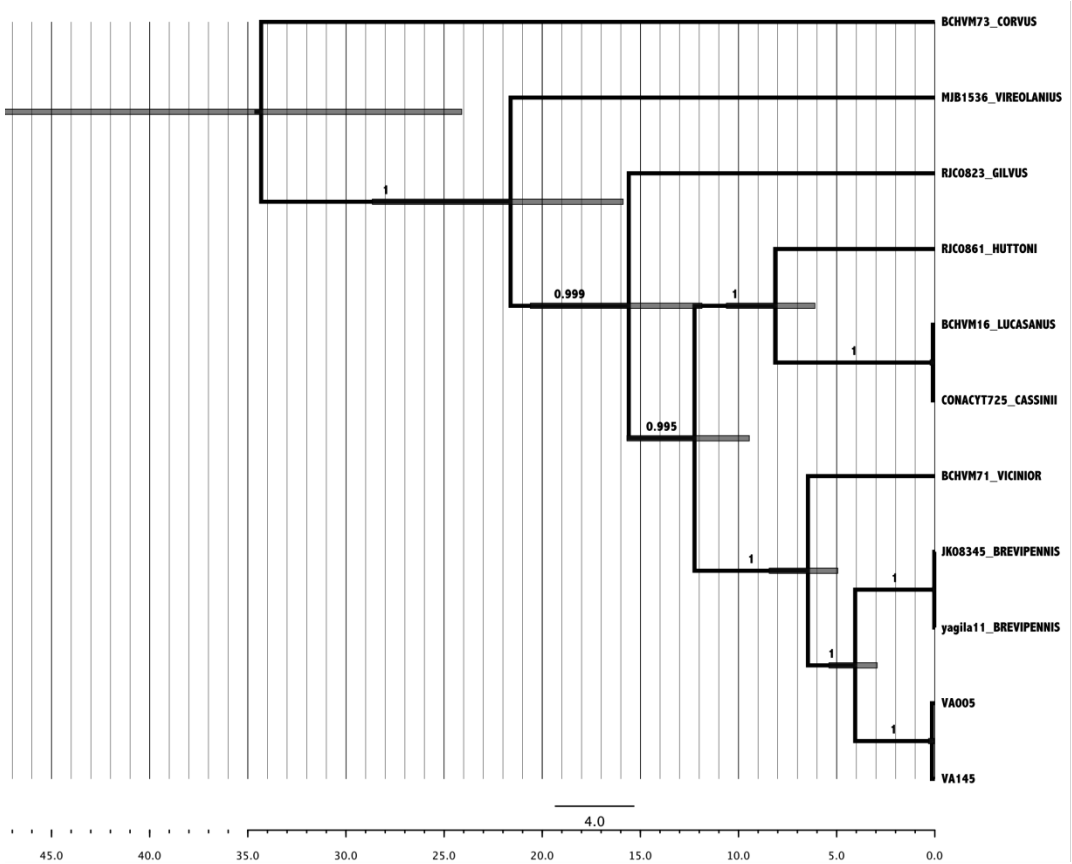
Supplementary Table 2. Primers used for DNA amplification and sequencing. Part (A) includes all the new primers designed for this study to target fragmented DNA from feathers. Sequences are given in a 5' – 3' direction. Melting temperature (Tm) is given in degrees Celsius. (See Materials and Methods for PCR conditions.) Product length is given in base-pairs. Part (B) includes primers from the literature used on samples with high quality DNA from tissues.

(A)

Forward	Sequence	Tm (basic)	Reverse	Sequence	Tm (basic)	Product Length
MC1R_Vaf	CGTGTCTTCCCTCTCCTTCCT	56.3	MC1R_VAr2	TTCTGCTGGCTGGAGATGCTGT	56.7	294
ADAMS6_VAf3	GGTCAGTTGTTAAGCCTTCTGA	53	ADAMS6_VAr4	GGAATATTCCTCATGTATCATCTC	52.3	291
AETC-F	TGGACTTCAAATCCCCCGATGATCCCAGC	64.3	AETC_R2	GAGTGGTACCAAAGTGCTGCAGACAAGTCC	64.4	278
FIB5_Vaf	GCATATTAATTTATCGATGCTACCAA	51.7	FIB5_VAr2	AAATGAGTCAGGCTGTCCTTAT	51.1	256
GAPDH-F	ACCTTTCATGCGGGTGCTGGCATTGC	62.7	GAPDH_Var	CCTCTGAGGGGAAAGGAGGCAGC	62.4	236
TGFB2_Vaf	GGGARGTGTCATGCAGTTGTT	52.4-54.4	TGFB2.I5_VAr2	GTGAAGGTGATAATTTGGCTCTAAC	54.4	235
TROP.6_Vaf	ACCTCCTGTGCAGCCAAAAGA	54.4	TROP.6_VAr	GAAAGGGGCGGATGGAAGATT	54.4	280
IQGAP2_VAF	GTGCTGAGCTAGGACTCTC	53.2	IQGAP2_VAR	TGCCCACTCCCTTGAAACTC	53.8	249
LAMA2_F	CCAAGAAGCAGCTGCAGGATGAGATGC	53.2	LAMA2_R	CTGCCGCCCGTTGTCGATCTCCACCAG	53.8	295

(B)

Locus	Primer pairs	Reference
ND2	L5215 and H1064	Zink et al. (2010) Auk 127: 797-806
MCIR	MSH8 and MSH9	MacDougall-Shackleton et al. (2003) Mol. Biol. Evol. 20: 1675-1681
ADAMS6	ADAMS6-F and ADAMS6-R	Backström et al. (2006) Genetics 174: 377-386
AETC	AETC-F and AETC-R	Primmer et al. (2002) Mol. Ecol. 11: 603-612
FIB5	Fib5 and Fib6	Kimball et al. (2008) Mol. Phylogen. Evol. 50: 654-660
GAPDH	GAPDH-F and GAPDH-R	Borge et al. (2005) Genetics 171: 1861-1873
TGFB2I5	TGFB2-F and TGFB2-R	Borge et al. (2005) Genetics 171: 1861-1873
TROP6	Trop.6F and Trop.6R	Kimball et al. (2008) Mol. Phylogen. Evol. 50: 654-660
IQGAP2	IQGAP2-F and IQGAP2-F	Backström et al. (2006) Genetics 174: 377-386
LAMA2	Same as above	Borge et al. (2005) Genetics 171: 1861-1873



Supplemental Figure 1. Bayesian phylogeny of selected lineages of Vireonidae from 10 concatenated loci. The tree is rooted with a common raven (*Corvus corax*). The X-axis is in millions of years. Horizontal bars represent the 95% high posterior density (HPD) of divergence times. The value on each branch is the posterior probability of the clade.