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SUPPLEMENTARY DATA 1

A new species of the Pleistocene furnariid *Pseudoseisuropsis* (Aves, Passeriformes)

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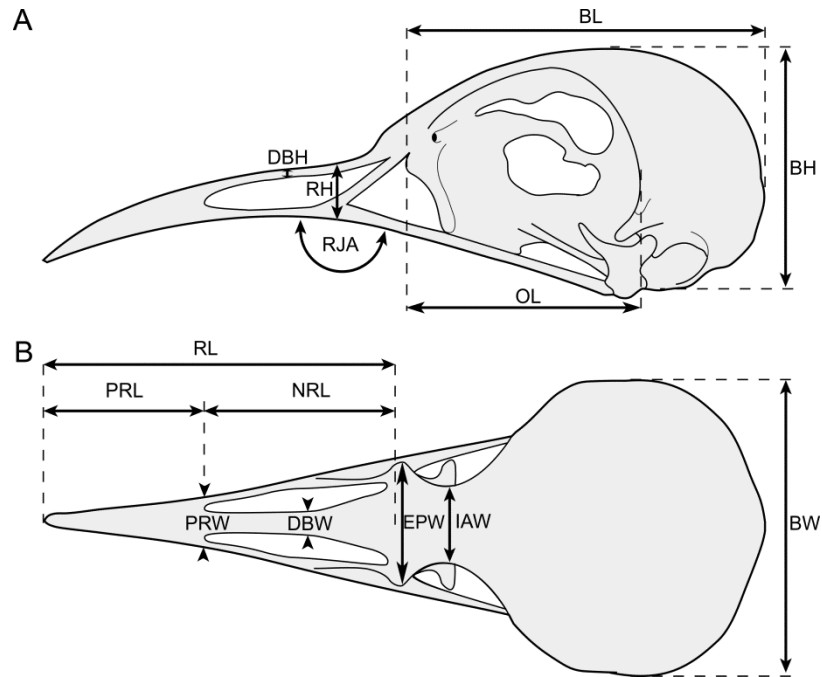


FIGURE S1. Measurements taken on examined skulls in: **A**, lateral view and **B**, dorsal view. **Abbreviations:** **BH**, braincase height; **BL**, braincase length; **BW**, braincase width; **DBH**, dorsal bar height; **DBW**, dorsal bar width; **EPW**, ectethmoid plate width; **IAW**, interorbital area width; **NRL**, narial region length; **OL**, orbit length; **PRL**, premaxillary rostrum length; **PRW**, premaxillary rostrum width; **RH**, rostrum height; **RJA**, rostrum-jugal angle; **RL**, rostrum length.

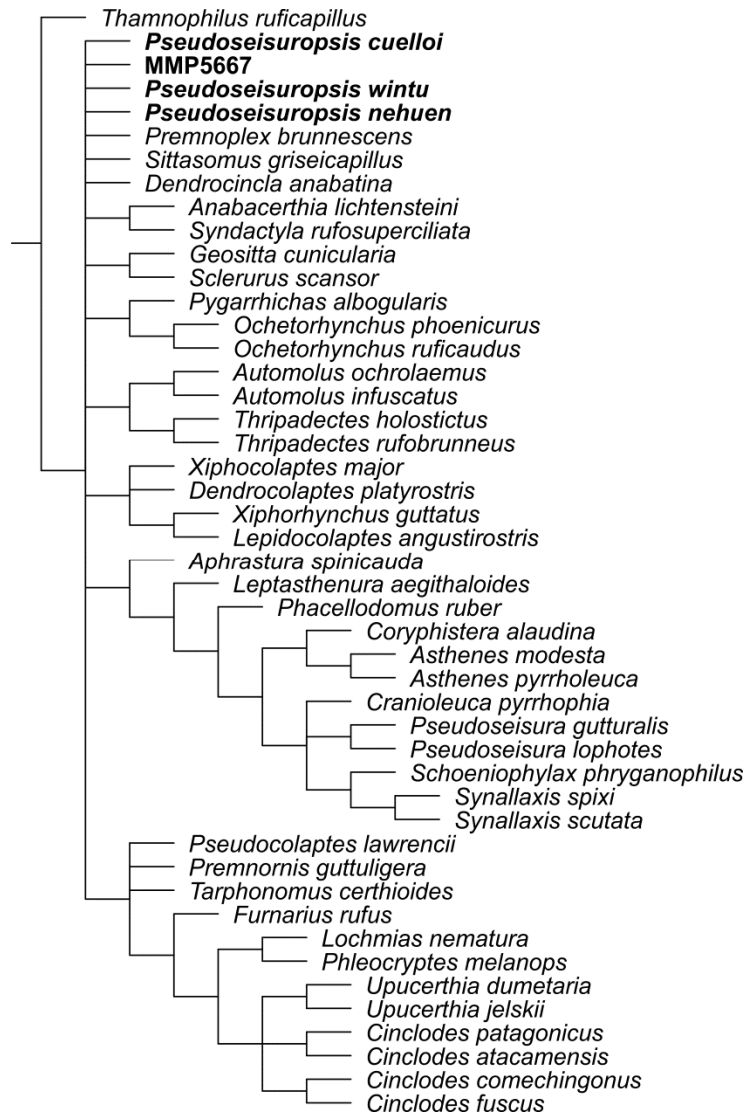


FIGURE S2. Strict consensus of 82 trees obtained in the cladistics analysis that includes all specimens ascribed to *Pseudoseisurus*.

TABLE S1. Specimens of extant species used for different analyses in this study. **Abbreviations:** **PA**, phylogenetic analyses; **CC**, coefficient of variation comparisons; **DS**, data taken from dry skulls; **DP**, data taken from photos; **DL**, data taken from literature; **UN**, uncataloged. Specimens with dash in the Analyses column were utilized only for osteological comparisons in the taxonomic analysis.

Species	Analyses	n	Specimen information
<i>Thamnophilus ruficapillus</i>	PA	1	MLP PV-OR 745, DS
<i>Sclerurus scansor</i>	PA	1	DL (Feduccia, 1973)
<i>Geositta punensis</i>	—	2	MACN 69033, DS; MLP PV-OR 375, DS
<i>Geositta cunicularia</i>	PA	2	MACN 3017, MLP-A 703
<i>Dendrocincla anabatina</i>	PA	1	DL (Feduccia, 1973)
<i>Sittasomus griseicapillus</i>	PA	3	MACN 69024, DS; MLP PV-OR 377, DS; MLP-A, UN, DS
<i>Dendrocolaptes platyrostris</i>	PA	2	MLP PV-OR 384, DS; MLP PV-OR 386, DS
<i>Xiphocolaptes major</i>	PA	2	MLP PV-OR 178, DS; MACN 53501, DS
<i>Lepidocolaptes angustirostris</i>	PA	2	MLP PV-OR 179, DS; MLP PV-OR 379, DS
<i>Xiphorhynchus guttatus</i>	PA	1	DL (Feduccia, 1973)
<i>Ochetorhynchus ruficaudus</i>	PA	1	MACN 68980, DS
<i>Ochetorhynchus phoenicurus</i>	PA	1	MACN 68708, DS

<i>Pygarrhichas albogularis</i>	PA	2	MACN 2337, DS; MACN 68714, DS
<i>Cinclodes atacamensis</i>	PA	2	MACN 1304, DS; MACN 69032, DS
<i>Cinclodes nigrofumosus</i>	—	1	USNM 637977; DP
<i>Cinclodes fuscus</i>	PA	2	MACN 18036, DS; MLP 198, DS
<i>Cinclodes comechingonus</i>	PA	1	AMNH 23939, DP
<i>Cinclodes oustaleti</i>	—	1	USNM 490935; DP
<i>Upucerthia jelskii</i>	PA	1	UF 27373, DP
<i>Upucerthia dumetaria</i>	PA	4	MACN 0340, DS; MACN 0352, DS; MACN 23966, DS; MLP 388, DS
<i>Lochmias nematura</i>	PA	1	AMNH 23939, DP
<i>Limnornis curvirostris</i>	—	1	MACN 23896, DS
<i>Phleocryptes melanops</i>	PA	2	MLP PV-OR 128, DS; UF 39223, DP
<i>Furnarius leucopus longirostris</i>	CC	1	USNM 289816, DP
<i>Furnarius figulus</i>	CC	1	USNM 562254, DP
<i>Furnarius torridus</i>	CC	1	USNM 345975, DP
<i>Furnarius rufus</i>	PA; CC	15	MLP PV-OR 135, DS; MLP PV-OR 216, DS; MLP-A 691, DS; MLP-A 699, DS; MLP-A 714, DS; MLP-A 715, DS; MACN 54718, DS; MACN

			1370a, DS; MACN 23991, DS; MACN 68362, DS; MACN 68647, DS; MACN 54703, DS; MACN 2299a, DS; USNM 614680, DP; USNM 345974, DP
<i>Tarphonomus certhioides</i>	PA	2	MLP 202, DS; MACN 69001, DS
<i>Premnornis guttuligera</i>	PA	1	UF 43380, DP
<i>Pseudocolaptes lawrencii</i>	PA	1	UF 27386, DP
<i>Syndactyla rufosuperciliata</i>	PA	4	MLP 124, DS; MLP 133, DS; MACN 54553, DS; MACN 54554, DS
<i>Anabacerthia lichtensteini</i>	PA	1	USNM 556416, DP
<i>Thripadectes rufobrunneus</i>	PA	1	UF 27388, DP
<i>Thripadectes holostictus</i>	PA	1	AMNH 25982, DP
<i>Automolus infuscatus</i>	PA	1	USNM 622329, DP
<i>Automolus ochrolaemus</i>	PA	2	USNM 637258, DP; DL (Feduccia, 1973)
<i>Premnoplex brunnescens</i>	PA	1	AMNH 25979, DP
<i>Aphrastura spinicauda</i>	PA	3	MLP PV-OR 237, DS; MACN 7027, DS; MACN 68720, DS
<i>Leptasthenura aegithaloides</i>	PA	1	MACN 68711, DS
<i>Leptasthenura fuliginiceps</i>	—	1	MACN 69019; DS

<i>Phacellodomus ruber</i>	PA	1	MACN 68121, DS
<i>Phacellodomus striaticollis</i>	—	1	MLP PV-OR 125, DS
<i>Annumbius anumbi</i>	—	3	MLP PV-OR 131, DS; MLP PV-OR 134, DS; MLP-A U
<i>Coryphistera alaudina</i>	PA	1	MACN 68123, DS
<i>Asthenes baeri</i>	—	1	MLP PV-OR 132, DS
<i>Asthenes pyrrholeuca</i>	PA	1	MACN 23961, DS
<i>Asthenes modesta</i>	PA	2	MACN 54552, DS; DL (Feduccia, 1973)
<i>Cranioleuca pyrrhophia</i>	PA	3	MACN 68369, DS; MACN 68378, DS; USNM 630991, DP
<i>Pseudoseisura lophotes</i>	PA	2	MLP PV-OR 126, DS; MLP PV-OR 201, DS
<i>Pseudoseisura gutturalis</i>	PA	1	MACN 0235, DS
<i>Schoeniophylax phryganophilus</i>	PA	3	MLP PV-OR 138, DS; MLP PV-OR 236, DS; MACN 68453, DS
<i>Synallaxis spixi</i>	PA	1	MACN 68653, DS
<i>Synallaxis frontalis</i>	—	1	MACN 68606, DS
<i>Synallaxis scutata</i>	PA	1	MLP PV-OR 382, DS

TABLE S2. Measures (in millimeters) of the morphometric traits of *Furnarius rufus* specimens and three additional *Furnarius* species used for coefficient of variations comparisons. **Abbreviations:** **BL**, braincase length; **BW**, braincase width; **DBW**, dorsal bar width; **EPW**, ectethmoid plate width; **IAW**, interorbital area width; **PRL**, premaxillary rostrum length; **PRW**, premaxillary rostrum width; **RL**, rostrum length.

Species	PRL	DBW	PRW	RL	EPW	IAW	BW	BL	Specimen
<i>Furnarius rufus</i>	—	1.63	3.98	—	9.34	4.95	18.13	25.24	MLP-A 691
<i>Furnarius rufus</i>	—	1.40	—	—	9.21	4.75	18.11	25.67	MLP-A 699
<i>Furnarius rufus</i>	—	1.62	3.63	—	8.85	4.33	18.85	25.68	MLP-A 714
<i>Furnarius rufus</i>	—	1.68	3.55	—	8.44	4.56	19.36	25.43	MLP-A 715
<i>Furnarius rufus</i>	9.41	1.44	3.24	19.57	8.03	4.70	19.04	25.90	54718 MACN
<i>Furnarius rufus</i>	10.77	1.79	3.39	23.23	8.06	4.59	18.45	25.23	1370a MACN
<i>Furnarius rufus</i>	—	1.46	3.18	—	8.61	4.33	19.34	25.63	23991 MACN
<i>Furnarius rufus</i>	—	1.26	3.11	—	8.68	3.93	19.14	26.82	68362 MACN
<i>Furnarius rufus</i>	—	1.23	3.10	—	8.58	4.63	19.10	24.71	68647 MACN
<i>Furnarius rufus</i>	—	1.75	2.99	—	8.64	4.52	18.57	26.04	54703 MACN
<i>Furnarius rufus</i>	—	1.57	3.33	—	9.17	4.62	18.61	25.74	2299a MACN

<i>Furnarius rufus</i>	8.30	1.57	2.94	19.35	8.76	4.54	18.82	25.62	135 MLP
<i>Furnarius rufus</i>	9.67	1.70	3.01	18.76	8.63	4.62	18.82	25.88	216 MLP
<i>Furnarius rufus</i>	8.99	1.51	3.41	19.44	8.10	4.20	18.10	24.19	USNM 614680
<i>Furnarius rufus</i>	9.70	1.45	3.20	20.70	8.84	4.16	17.79	23.63	USNM 345974
<i>Furnarius torridus</i>	11.51	1.52	3.05	23.24	7.81	4.30	17.22	23.95	USNM 345975
<i>Furnarius leucopus longirostris</i>	13.02	1.55	3.60	24.36	9.17	4.21	17.30	23.23	USNM 289816
<i>Furnarius figulus</i>	8.51	1.07	2.50	18.56	6.50	3.13	16.09	21.71	USNM 562254
