

Supplementary Information

The first oviraptorosaur (Dinosauria: Theropoda) bonebed: evidence of gregarious behaviour in a maniraptoran theropod

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Table S1: Catalog of *Avimimus* specimens from the *Avimimus* bonebed in the Nemegt Formation of Mongolia.

MPC number	Specimen #	Date Found	Taxon	Element	Found by	Locality	Formation	North	East
MPC-D 102/15	PJC2006.001	Aug. 17, 2006	<i>Avimimus</i>	right tibia proximal end and shaft	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/101	PJC2006.002	Aug. 17, 2006	<i>Avimimus</i>	cervical vertebra	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/16	PJC2006.003	Aug. 17, 2006	<i>Avimimus</i>	dentaries	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.004	Aug. 17, 2006	<i>Avimimus</i>	pedal phalanx	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.005	Aug. 17, 2006	<i>Avimimus</i>	pedal phalanx	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/17	PJC2006.006	Aug. 17, 2006	<i>Avimimus</i>	right astragalus and tibia distal end	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/18	PJC2006.007	Aug. 17, 2006	<i>Avimimus</i>	right astragalus and tibia distal end	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/19	PJC2006.008	Aug. 17, 2006	<i>Avimimus</i>	right astragalus and tibia distal end	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/20	PJC2006.009	Aug. 17, 2006	<i>Avimimus</i>	right astragalus and tibia distal end	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/21	PJC2006.010	Aug. 17, 2006	<i>Avimimus</i>	metatarsals shafts II & IV	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.011	Aug. 17, 2006	<i>Avimimus</i>	phalanx	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/22	PJC2006.012	Aug. 17, 2006	<i>Avimimus</i>	left astragalus and distal tibia	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/23	PJC2006.013	Aug. 17, 2006	<i>Avimimus</i>	left astragalus and distal tibia	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/24	PJC2006.014	Aug. 17, 2006	<i>Avimimus</i>	left astragalus and distal tibia	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/25	PJC2006.015	Aug. 17, 2006	<i>Avimimus</i>	left astragalus and distal tibia	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/26	PJC2006.016	Aug. 17, 2006	<i>Avimimus</i>	right tibia, fibula, astragalus, calcaneum	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.017	Aug. 17, 2006	<i>Avimimus</i>	vertebra	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.018	Aug. 17, 2006	<i>Avimimus</i>	phalanx plus ?	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.022	Aug. 18, 2006	<i>Avimimus</i>	rib head	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.023	Aug. 18, 2006	<i>Avimimus</i>	rib	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/27	PJC2006.024	Aug. 18, 2006	<i>Avimimus</i>	femur left distal end tibia left prox. end	Nick Longrich	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min

MPC-D 102/28	PJC2006.025	Aug. 18, 2006	<i>Avimimus</i>	right proximal tarsometatarsus	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/29	PJC2006.026	Aug. 18, 2006	<i>Avimimus</i>	left proximal tarsometatarsus	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/30	PJC2006.027	Aug. 18, 2006	<i>Avimimus</i>	right proximal tarsometatarsus	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/31	PJC2006.028	Aug. 18, 2006	<i>Avimimus</i>	left proximal tarsometatarsus	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/32	PJC2006.029	Aug. 18, 2006	<i>Avimimus</i>	right proximal tarsometatarsus	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/33	PJC2006.029	Aug. 19, 2006	<i>Avimimus</i>	skull frag ?	Eva B. Koppelhus	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/102	PJC2006.044	Aug. 19, 2006	<i>Avimimus</i>	cervical vertebra					
	PJC2006.050	Aug. 18, 2006	<i>Avimimus</i>	phalanx	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.051	Aug. 18, 2006	<i>Avimimus</i>	fibula shaft	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/34	PJC2006.059	Aug. 19, 2006		partial skull					
MPC-D 102/35	PJC2006.104	Aug. 19, 2006	<i>Avimimus</i>	metatarsal II	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/36	PJC2006.105	Aug. 20, 2006	<i>Avimimus</i>	femur, left complete	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.106	Aug. 20, 2006	<i>Avimimus</i>	ungual	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.107	Aug. 20, 2006	<i>Avimimus</i>	rib	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.108	Aug. 20, 2006	<i>Avimimus</i>	distal end of metatarsal	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.109	Aug. 20, 2006	<i>Avimimus</i>	pedal phalanx	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.110	Aug. 20, 2006	<i>Avimimus</i>	pedal phalanx	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.111	Aug. 20, 2006	<i>Avimimus</i>	phalanx distal end	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.112	Aug. 20, 2006	<i>Avimimus</i>	vertebra	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/37	PJC2006.113	Aug. 20, 2006	<i>Avimimus</i>	metatarsal right	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/38	PJC2006.114	Aug. 20, 2006	<i>Avimimus</i>	left tibia incomplete	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/39	PJC2006.115	Aug. 20, 2006	<i>Avimimus</i>	metatarsal II right	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D	PJC2006.116	Aug. 20,	<i>Avimimus</i>	metatarsal IV left	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min

102/40		2006							
MPC-D 102/41	PJC2006.117	Aug. 20, 2006	<i>Avimimus</i>	metatarsal IV right	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/42	PJC2006.118	Aug. 20, 2006	<i>Avimimus</i>	tibia + fragments in a small plastic bag	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.119	Aug. 20, 2006	<i>Avimimus</i>	fibula	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.120	Aug. 20, 2006	<i>Avimimus</i>	phalanx	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/43	PJC2006.122	Aug. 20, 2006	<i>Avimimus</i>	metatarsal	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.123	Aug. 20, 2006	<i>Avimimus</i>	rib	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.124	Aug. 20, 2006	<i>Avimimus</i>	rib head	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/44	PJC2006.125	Aug. 20, 2006	<i>Avimimus</i>	tibia head	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/45	PJC2006.126	Aug. 20, 2006	<i>Avimimus</i>	metarsal III	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/46	PJC2006.127	Aug. 20, 2006	<i>Avimimus</i>	tarsometatarsus proximal end left	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/47	PJC2006.128	Aug. 20, 2006	<i>Avimimus</i>	distal end of tibia + astragalus right	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/48	PJC2006.129	Aug. 20, 2006	<i>Avimimus</i>	metatarsal	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.130	Aug. 20, 2006	<i>Avimimus</i>	ischium	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.131	Aug. 20, 2006	<i>Avimimus</i>	ilium in three pieces	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/103	PJC2006.164	Aug. 20, 2006	<i>Avimimus</i>	cervical vertebra	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/49	PJC2006.165	Aug. 20, 2006	<i>Avimimus</i>	pubis	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.166	Aug. 20, 2006	<i>Avimimus</i>	fibula	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.167	Aug. 20, 2006	<i>Avimimus</i>	fibula	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/104	PJC2006.168	Aug. 20, 2006	<i>Avimimus</i>	cervical neural arch	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.169	Aug. 20, 2006	<i>Avimimus</i>	forelimb	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/50	PJC2006.170	Aug. 20, 2006	<i>Avimimus</i>	pubic boot	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/51	PJC2006.171	Aug. 20, 2006	<i>Avimimus</i>	right tibia (partial)	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min

MPC-D 102/52	PJC2006.172	Aug. 20, 2006	<i>Avimimus</i>	distal end of right tibia	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/53	PJC2006.176	Aug. 22, 2006	<i>Avimimus</i>	proximal end of tibia	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/54	PJC2006.177	Aug. 22, 2006	<i>Avimimus</i>	tarsometatarsal only proximal end	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/55	PJC2006.178	Aug. 22, 2006	<i>Avimimus</i>	proximal end of humerus	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/56	PJC2006.30	Aug. 18, 2006	<i>Avimimus</i>	right proximal tarsometatarsus	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/57	PJC2006.31	Aug. 18, 2006	<i>Avimimus</i>	right proximal tarsometatarsus ???	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/58	PJC2006.32	Aug. 18, 2006	<i>Avimimus</i>	right proximal tarsometatarsus fragment	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/59	PJC2006.33	Aug. 18, 2006	<i>Avimimus</i>	right proximal tarsometatarsus	Michael Ryan	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/60	PJC2006.34	Aug. 18, 2006	<i>Avimimus</i>	shaft of mt III	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/61	PJC2006.35	Aug. 18, 2006	<i>Avimimus</i>	distal end of mt III	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/62	PJC2006.36	Aug. 18, 2006	<i>Avimimus</i>	right tibia proximal end	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/63	PJC2006.37	Aug. 18, 2006	<i>Avimimus</i>	right tibia proximal end	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.38	Aug. 18, 2006	<i>Avimimus</i>	right femur distal + ?	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.39	Aug. 18, 2006	<i>Avimimus</i>	right femur proximal end	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.40	Aug. 18, 2006	<i>Avimimus</i>	right femur distal end	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.41	Aug. 18, 2006	<i>Avimimus</i>	left femur distal end	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.42	Aug. 18, 2006	<i>Avimimus</i>	pedal phalanx IV-I	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.43	Aug. 18, 2006	<i>Avimimus</i>	pedal phalanx	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.44	Aug. 18, 2006	<i>Avimimus</i>	cervical vertebra	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.45	Aug. 18, 2006	<i>Avimimus</i>	vertebra	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/64	PJC2006.46	Aug. 18, 2006	<i>Avimimus</i>	nasals	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/65	PJC2006.47	Aug. 18, 2006	<i>Avimimus</i>	distal end right? Astragalus + tibia	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.48	Aug. 18,	<i>Avimimus</i>	phalanx	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min

		2006							
MPC-D 102/66	PJC2006.49	Aug. 18, 2006	<i>Avimimus</i>	proximal end of right tibia	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/67	PJC2006.60	Aug. 19, 2006	<i>Avimimus</i>	distal end of tibia	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.61	Aug. 19, 2006	<i>Avimimus</i>	partial heads of limb bones	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.62	Aug. 19, 2006	<i>Avimimus</i>	pedal phalanx II-I	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.63	Aug. 19, 2006	<i>Avimimus</i>	distal end of metatarsal ? II	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.64	Aug. 19, 2006	<i>Avimimus</i>	? Pedal phalanx	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/68	PJC2006.65	Aug. 19, 2006	<i>Avimimus</i>	distal end of right tibia	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/69	PJC2006.66	Aug. 19, 2006	<i>Avimimus</i>	pedal phalanx IV-4	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.67	Aug. 19, 2006	<i>Avimimus</i>	pedal phalanx	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.68	Aug. 19, 2006	<i>Avimimus</i>	pedal phalanx III-3?	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.69	Aug. 19, 2006	<i>Avimimus</i>	left femur proximal end	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.70	Aug. 19, 2006	<i>Avimimus</i>	manual phalanx	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/70	PJC2006.71	Aug. 19, 2006	<i>Avimimus</i>	distal end of both pubes	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.72	Aug. 19, 2006	<i>Avimimus</i>	proximal end of metatarsal II	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.73	Aug. 19, 2006	<i>Avimimus</i>	sacral centrum	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.74	Aug. 19, 2006	<i>Avimimus</i>	distal end of metatarsal ? II	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.75	Aug. 19, 2006	<i>Avimimus</i>	distal end metatarsal III	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.76	Aug. 19, 2006	<i>Avimimus</i>	manual phalanx	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.77	Aug. 19, 2006	<i>Avimimus</i>	distal end of metatarsal IV two of them	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.78	Aug. 19, 2006	<i>Avimimus</i>	pedal phalanx proximal	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.79	Aug. 19, 2006	<i>Avimimus</i>	phalanx	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.80	Aug. 19, 2006	<i>Avimimus</i>	pedal ungual III-4	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min

	PJC2006.81	Aug. 19, 2006	<i>Avimimus</i>	?radius	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.82	Aug. 19, 2006	<i>Avimimus</i>	pedal phalanx	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.83	Aug. 19, 2006	<i>Avimimus</i>	femur, left distal end	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/71	PJC2006.84	Aug. 19, 2006	<i>Avimimus</i>	metatarsal III	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.85	Aug. 19, 2006	<i>Avimimus</i>	head of femur	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.86	Aug. 19, 2006	<i>Avimimus</i>	proximal tibia right	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/72	PJC2006.87	Aug. 19, 2006	<i>Avimimus</i>	proximal tibia right	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/73	PJC2006.88	Aug. 19, 2006	<i>Avimimus</i>	pubis shaft	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.89	Aug. 19, 2006	<i>Avimimus</i>	? Radius	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.90	Aug. 19, 2006	<i>Avimimus</i>	pedal ungual	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.91	Aug. 19, 2006	<i>Avimimus</i>	pedal phalanx	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.92	Aug. 19, 2006	<i>Avimimus</i>	tarsal	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
	PJC2006.93	Aug. 19, 2006	<i>Avimimus</i>	rib	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/74	PJC2006.94	Aug. 19, 2006	<i>Avimimus</i>	tibia + fragments in a small plastic bag	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/75	PJC2006.95	Aug. 19, 2006	<i>Avimimus</i>	proximal end of metatarsal	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/76	PJC2006.96	Aug. 19, 2006	<i>Avimimus</i>	metatarsals II & IV	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/77	PJC2006.97	Aug. 19, 2006	<i>Avimimus</i>	metatarsal	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/78	PJC2006.98	Aug. 19, 2006	<i>Avimimus</i>	metatarsal	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/79	PJC2006.99	Aug. 19, 2006	<i>Avimimus</i>	distal end of metatarsal IV	Crew	Nemegt	Nemegt	43deg 28.891min	101deg 4.093min
MPC-D 102/80	PJC2007.002	2007-08-17	<i>avimimid</i>	fused metatarsals	Susan Kagan	West Sayr	Nemegt Fm	43.29.968	101.02.563
	PJC2007.023	2007-08-17	<i>avimimid</i>	pedal phalanx	Nick Longrich		Nemegt Fm	43.30.004	101.03.045
	PJC2007.023	2007-08-18	<i>avimimid</i>	miscellaneous elements	Nick Longrich	Eastern Sayr	Barun Goyot Fm	43.29.780	101.03.792
	PJC2007.100	2007-08-	<i>Avimimus</i>	fibula	Victoria Arbour	avimimid	Nemegt	43.28.891	101.04.093

		21				bonebed	Fm		
	PJC2007.101	2007-08-21	<i>Avimimus</i>	fibula	Victoria Arbour	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/81	PJC2007.102	2007-08-21	<i>Avimimus</i>	partial skull	Crew	avimimid bonebed	Nemegt fm		
	PJC2007.103	2007-08-21	<i>Avimimus</i>	pedal ungual	Michael Ryan	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/82	PJC2007.108	2007-08-19	<i>Avimimus</i>	third metatarsal	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
	PJC2007.109	2007-08-19	<i>Avimimus</i>	vertebral fragments, not necessarily from same vertebra	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
	PJC2007.111	2007-08-19	<i>Avimimus</i>	tibia	Ito Yoshio	Western Sayr	Nemegt Fm	no coordinates	no coordinates
MPC-D 102/83	PJC2007.112	2007-08-21	<i>Avimimus</i>	tibia (right)	Ito Yoshio	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/84	PJC2007.115	2007-08-21	<i>Avimimus</i>	tibia	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
	PJC2007.116	2007-08-21	<i>Avimimus</i>	fibula	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/106	PJC2007.117	2007-08-21	<i>Avimimus</i>	metatarsal	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
	PJC2007.61	2007-08-19	<i>Avimimus</i>	phalanx	Astrid Schelde	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
	PJC2007.62	2007-08-19	<i>Avimimus</i>	rib	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
	PJC2007.63	2007-08-19	<i>Avimimus</i>	centrum	Clive Coy	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
	PJC2007.64	2007-08-19	<i>Avimimus</i>	caudal vertebra	Clive Coy	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/85	PJC2007.65	2007-08-19	<i>Avimimus</i>	metatarsal	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/86	PJC2007.66	2007-08-19	<i>Avimimus</i>	2 metatarsals	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/87	PJC2007.67	2007-08-19	<i>Avimimus</i>	metatarsal	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
	PJC2007.68	2007-08-19	<i>Avimimus</i>	limb element fragment	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/88	PJC2007.69	2007-08-19	<i>Avimimus</i>	metatarsal	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/89	PJC2007.70	2007-08-19	<i>Avimimus</i>	metatarsal	Julia Sankey	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/90	PJC2007.71	2007-08-19	<i>Avimimus</i>	tibia	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D	PJC2007.72	2007-08-	<i>Avimimus</i>	metatarsal III	crew	avimimid	Nemegt	43.28.891	101.04.093

102/91		19				bonebed	Fm		
MPC-D 102/92	PJC2007.73	2007-08-19	<i>Avimimus</i>	tibia plus fibula, astragalus, calcaneum	Astrid Schelde	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/93	PJC2007.74	2007-08-19	<i>Avimimus</i>	metatarsal	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/94	PJC2007.86	2007-08-19	<i>Avimimus</i>	right tibia	Michael Ryan	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/95	PJC2007.87	2007-08-21	<i>Avimimus</i>	metatarsal	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/105	PJC2007.88	2007-08-21	<i>Avimimus</i>	tibia	crew	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/96	PJC2007.89	2007-08-21	<i>Avimimus</i>	fused metatarsals 2 and 4	Astrid Schelde	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
	PJC2007.90	2007-08-21	<i>Avimimus</i>	fibula	Astrid Schelde	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
	PJC2007.92	2007-08-21	<i>Avimimus</i>	femur	Ito Yoshio	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/97	PJC2007.93	2007-08-21	<i>Avimimus</i>	metatarsal	Ito Yoshio	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/98	PJC2007.98	2007-08-21	<i>Avimimus</i>	metatarsal	Michael Ryan	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093
MPC-D 102/99	PJC2007.99	2007-08-21	<i>Avimimus</i>	metatarsal	Ito Yoshio	avimimid bonebed	Nemegt Fm	43.28.891	101.04.093

Table S2: Skeletal representation at the *Avimimus* bonebed, calculated separately for an individual with unfused compound elements (above the break) and fused compound elements (below the break). Abbreviations: FE-TI-FIB: Femora, tibiae, fibulae; MTT-TARS: Metatarsals and tarsals; PELVIS-SACR: Pelvic elements and sacral vertebrae; HU-RAD-UL-CAR-MTC: forelimb elements including humeri, radii, ulnae, carpals and metacarpals; SCAP-COR: Pectoral girdle elements including scapulae, coracoids, sternals, and furculae.

[illegible]

Table S3: List of known bonebed occurrences of dinosaur taxa by family.

Family	Taxon	Locality	Interpretation	Age	Reference
Ceratopsidae	<i>Centrosaurus apertus</i>	Dinosaur Provincial Park, AB	Monodominant bonebed: flood-induced	Late Cretaceous	Ryan et al. 2001
	<i>Centrosaurus brinkmani</i>	Dinosaur Provincial Park, AB	Monodominant bonebed	Late Cretaceous	Ryan and Russell 2005
	<i>Styracosaurus albertensis</i>	Dinosaur Provincial Park, AB	Monodominant bonebed	Late Cretaceous	
	<i>Einiosaurus procurvicornis</i>	Two Medicine Formation, Montana	Monodominant bonebed: drought assemblage	Late Cretaceous	Sampson 1995
	<i>Pachyrhinosaurus</i> n. sp.	Pipestone Creek, AB	Monodominant bonebed	Late Cretaceous	Fanti et al. 2015
	<i>Medusaceratops</i>			Late Cretaceous	
	<i>Agujaceratops mariscalensis</i>	Big Bend, Texas	Monodominant bonebed	Late Cretaceous	Lehman 1989
Protoceratopsidae	<i>Protoceratops andrewsi</i>	Tugriken Shireh, Mongolia	Clutch of hatchlings	Late Cretaceous	You et al. 2004
Leptoceratopsidae	<i>Prenoceratops peiganensis</i>	Two Medicine Formation, Montana	Monodominant bonebed	Late Cretaceous	Chinnery 2004
Psittacosauridae	<i>Psittacosaurus</i>		Parent protecting brood	Late Cretaceous	Meng et al. 2004
Hadrosauridae	<i>Maiasaura peeblesorum</i>	Montana	Monodominant bonebed	Late Cretaceous	Varricchio and Horner, 1993
	<i>Prosaurolophus blackfeetensis</i>	Judith River Fm., Montana	Monodominant bonebed: drought induced	Late Cretaceous	Rogers, 1990;
	<i>Brachylophosaurus canadensis</i>	Judith River Fm., Montana	Monodominant bonebed	Late Cretaceous	Prieto-Marquez, 2005
	<i>Edmontosaurus annectens</i>	South Dakota	Monodominant bonebed	Late Cretaceous	Derstler, 1994
	<i>Edmontosaurus regalis</i>	Edmonton, Alberta	Monodominant bonebed	Late Cretaceous	Bell and Campione, 2015
	<i>Edmontosaurus</i> sp. (Alaska)	Colville River, Alaska	Monodominant bonebed	Late Cretaceous	
	<i>Hypacrosaurus altispinus</i>			Late Cretaceous	Bramble and Currie, 2015
	<i>Charonosaurus jiyinensis</i>	Heilongjiang, China		Late Cretaceous	Godefroit et al., 2000
	<i>Bactrosaurus</i>	Iren Dabasu, Mongolia			Godefroit, 1998
	<i>Tenontosaurus tilletti</i>		Monodominant bonebed	Early Cretaceous	Forster 1995
Ankylosauridae	<i>Pinacosaurus mephistocephalus</i>	Bayan Mandahu, Inner Mongolia	Family group overwhelmed by sandstorm	Late Cretaceous	Jerzykiewicz et al., 1993
	<i>Pinacosaurus grangeri</i>	Aleg Teg, Mongolia	Drought assemblage	Late Cretaceous	
Thescelosauridae	<i>Oryctodromeus cubicularis</i>	Blackleaf Formation, MT	Family group in burrow	Late Cretaceous	Varricchio et al., 2006

	Unnamed taxon	Proctor Lake, Texas			Winkler and Murry, 1989
Ornithischia indet.	<i>Laquintasaura venezuelae</i>	La Quinta Fm., Venezuela	Monodominant	Early Jurassic	Barrett et al. 2014
Prosauropoda	<i>Sellosaurus</i>				Hungerbühler, 1998
	<i>Plateosaurus</i>		Monodominant	Late Triassic	Sander, 1992
Titanosauridae	<i>Alamosaurus sanjuanensis</i>	Big Bend, Texas	Monodominant bonebed: drought assemblage?	Late Cretaceous	Fiorillo and Montgomery 2001
		Jones Ranch, Texas		Early Cretaceous	Winkler et al., 1997
Diplodocidae	<i>?Diplodocus</i>	Howe quarry	Monodominant bonebed	Early Cretaceous	
	<i>Patagosaurus fariasi</i>	Chubut, Argentina	Monodominant bonebed	Jurassic	Coria, 1994
Coelophysoidea	<i>Coelophysis bauri</i>	Ghost Ranch, New Mexico	Drought assemblage	Late Triassic	Colbert, 1989
	<i>Coelophysis rhodesiensis</i>	Rhodesia		Early Jurassic	Raath 1990
	<i>Coelophysis kayentakatae</i> , <i>C. sp.</i>	New Mexico		Early Jurassic	Rowe, 1989
Monolophosaur-idae	<i>Guanlong wucaii</i>	China	Monodominant	Middle Jurassic	Xu et al., 2006
Carcharodonto-sauridae	<i>Mapusaurus roseae</i>	Argentina	Monodominant	Late Cretaceous	Coria and Currie, 2006
Allosauridae	<i>Allosaurus fragilis</i>	Cleveland-Lloyd Quarry, UT	Drought assemblage	Late Jurassic	Madsen, 1976; Gates, 2005
Tyrannosauridae	<i>Daspletosaurus</i> sp.	Montana		Late Cretaceous	Currie et al., 2005
	<i>Albertosaurus sarcophagus</i>	Dry Island Buffalo Jump Provincial Park, Alberta	Monodominant bonebed. Pack?	Late Cretaceous	Currie, 1998
Ornithomimidae	<i>Sinornithomimus dongi</i>	Ulan Suhai, Inner Mongolia	Monospecific bonebed: social assemblage	Late Cretaceous	Kobayashi et al., 1999
Therizinosauroidae	<i>Falcarius utahensis</i>		Monodominant bonebed	Early Cretaceous	Kirkland et al. 2005
Dromaeosauridae	<i>Deinonychus antirrhopus</i>	Cloverly Formation, MT		Early Cretaceous	Ostrom, 1969; Maxwell and Ostrom, 1995
Avimimidae	<i>Avimimus. portentousus</i>	Nemegt Basin, Mongolia	Monodominant bonebed, flood assemblage?	Late Cretaceous	This paper

Figure S1: Graphs of skeletal representation of elements from the *Avimimus* bonebed, for a) an unfused skeleton; and b) a fused skeleton. Line represents average skeletal representation; values above the line indicate overrepresentation, values below indicate underrepresentation.

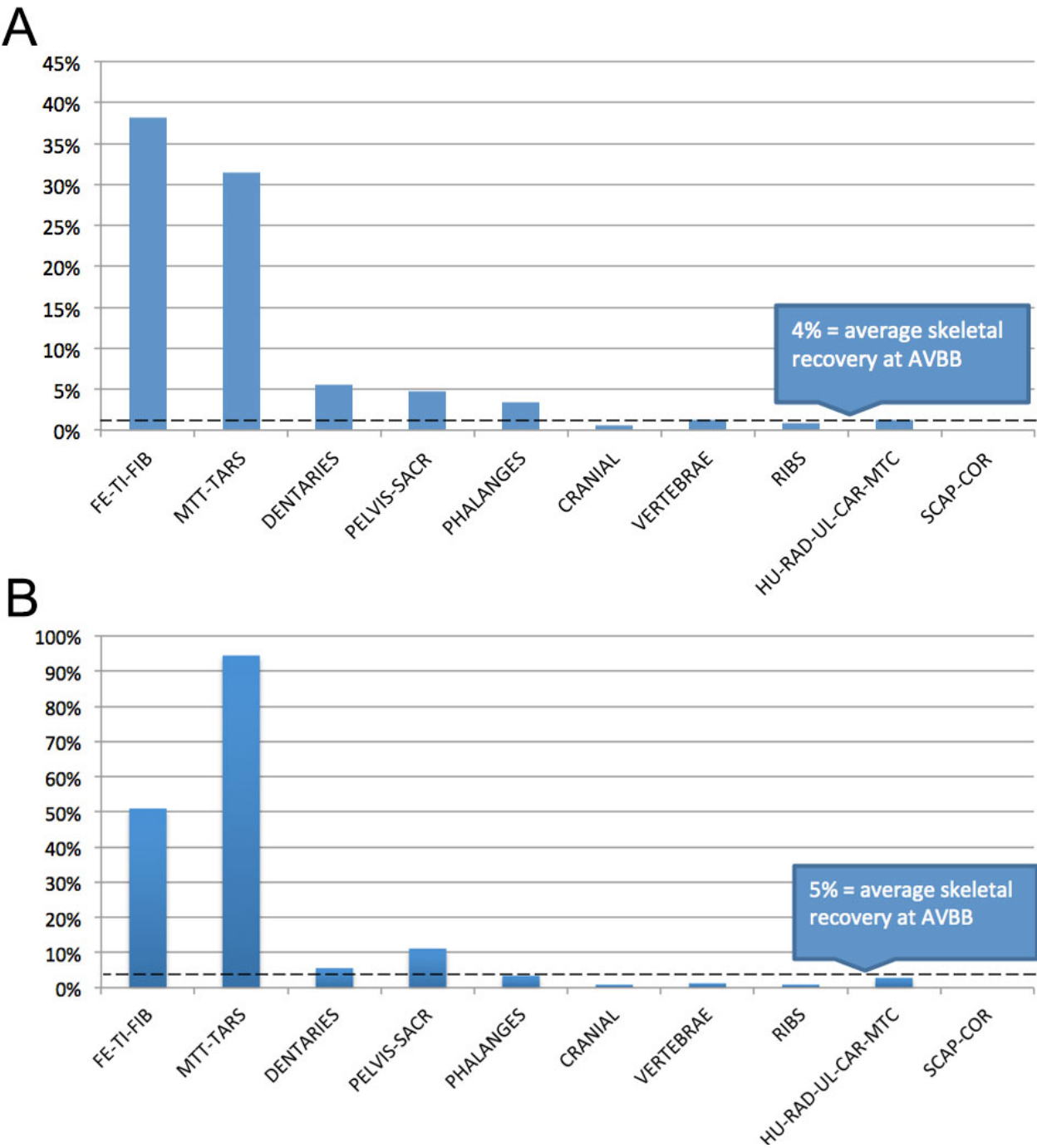


Figure S2: Articulated distal caudal vertebrae recovered from the *Avimimus* bonebed in 2016. Photograph by GFF (A) of caudal vertebrae as uncovered in the field. Outline (B) of caudal vertebrae, with each vertebra in a different colour. Abbreviations: **hum**, humerus.

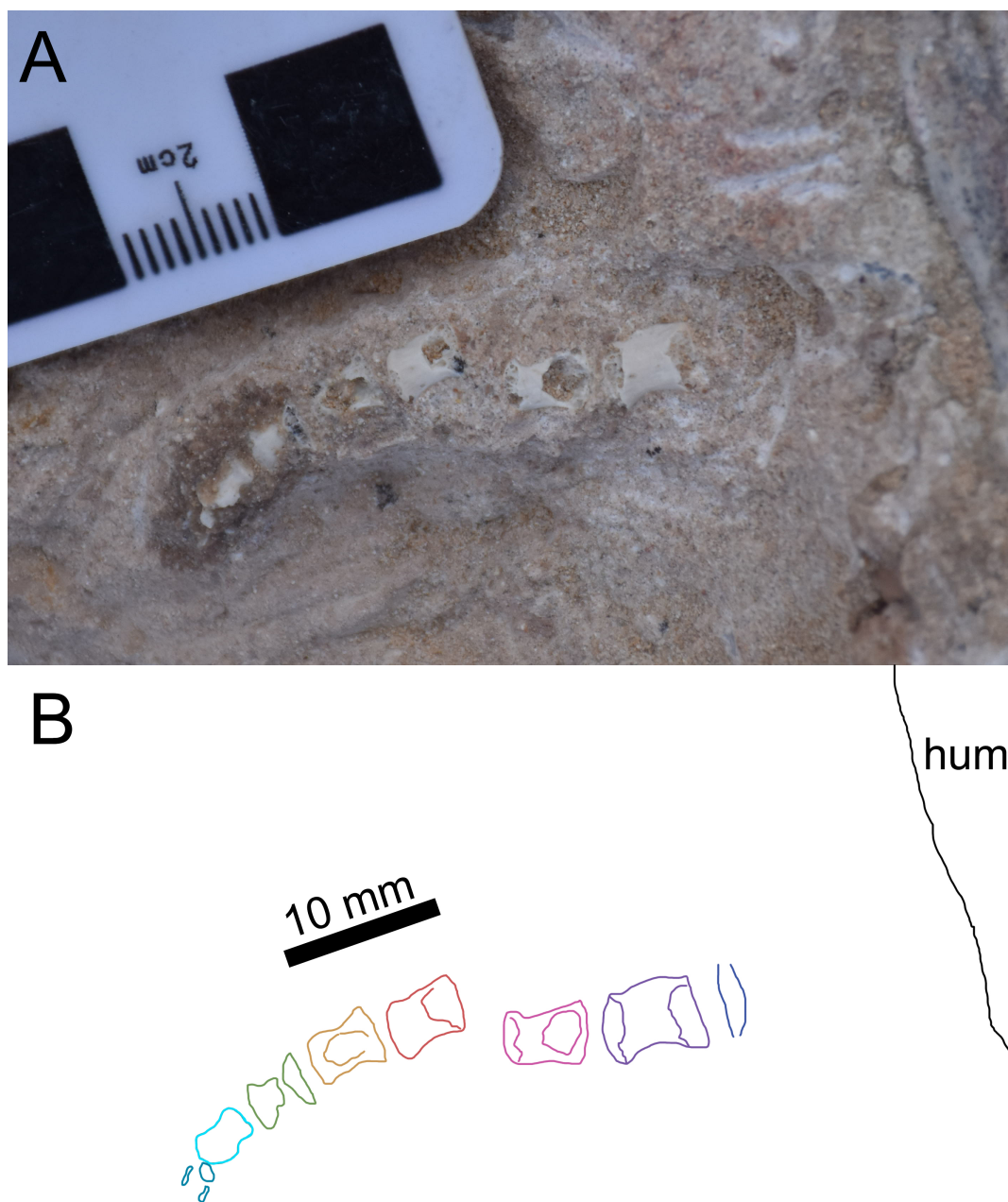


Figure S3: Articulated tibia and fibula recovered from the *Avimimus* bonebed. Note curved distal portion of fibula, and distal end of fibula fused to tibiatarsus (Arrow). Photograph by GFF.



Literature Cited

- Barrett, P.M., Butler, R.J., Mundil, R., Scheyer, T.M., Irmis, R.B., Sánchez-Villagra, M.R. 2014. A palaeoequatorial ornithischian and new constraints on early dinosaur diversification. *Proceedings of the Royal Society B* 281: 20141147.
- Bell, P. R., and Campione, N. E. 2014. Taphonomy of the Danek Bonebed: a monodominant *Edmontosaurus* (Hadrosauridae) bonebed from the Horseshoe Canyon Formation, Alberta. *Canadian Journal of Earth Sciences* 51: 992-1006.
- Bramble, K. K., and Currie, P. J. 2015. A juvenile *Hypacrosaurus altispinus* (Dinosauria: Hadrosauridae) bonebed from the Horseshoe Canyon Formation (Upper Cretaceous) of Alberta, Canada. *Journal of Vertebrate Paleontology* 35: 95A.
- Chiba, K., Ryan, M. J., Braman, D. R., Eberth, D. A., Scott, E. E., Brown, C. M., Kobayashi, Y., and Evans, D. C. 2015. Taphonomy of a monodominant *Centrosaurus apertus* (Dinosauria: Ceratopsia) bonebed from the upper Oldman Formation of Southeastern Alberta. *Palaios* 30: 655-667.
- Chinnery, B.J., 2004. Description of *Prenoceratops pieganensis* gen. et sp. nov. (Dinosauria: Neoceratopsia) from the Two Medicine Formation of Montana. *Journal of Vertebrate Paleontology* 24, 572-590.
- Colbert, E.H. 1989 The Triassic dinosaur *Coelophysis*. *Museum of Northern Arizona Bulletin* 57: 1-160.
- Coria, R.A. 1994. On a monospecific assemblage of sauropod dinosaurs from Patagonia: implications for gregarious behaviour. *Gaia* 10: 209-213.
- Coria, R.A., Currie, P.J., 2006. A new carcharodontosaurid (Dinosauria, Theropoda) from the Upper Cretaceous of Argentina. *Geodiversitas* 26, 71-118.
- Currie, P. J. 1998. Possible evidence of gregarious behavior in tyrannosaurids. *Gaia* 15:271-277.
- Currie, P.J., Trexler, D., Koppelhus, E.B., Wicks, K., Murphy, N. 2005. An unusual multi-individual tyrannosaurid bonebed in the Two Medicine Formation (Late Cretaceous, Campanian) of Montana (USA). *In: The Carnivorous Dinosaurs*, eds. K. Carpenter. Indiana University Press, Indiana, pp. 313-32
- Derstler, K. 1994. Dinosaurs of the Lance Formation in Eastern Wyoming. *Forty-fourth Annual Field Conference, Wyoming Geological Association Guidebook*, pp. 127-147.
- Fanti, F., Currie, P.J., and Burns, M.E. 2015. Taphonomy, age, and paleoecological implication of a new *Pachyrhinosaurus* (Dinosauria: Ceratopsidae) bonebed from the Upper Cretaceous (Campanian) Wapiti Formation of Alberta, Canada. *Canadian Journal of Earth Sciences* 52: 250-260
- Fiorillo, A.R., Montgomery, H., 2001. Depositional setting and paleoecological significance of a new sauropod bonebed in the Javelina Formation (Cretaceous) of Big Bend National Park, Texas. *Journal of Vertebrate Paleontology Supplement* 21: 49A
- Forster, C.A. 1990. Evidence for juvenile groups in the ornithomimid dinosaur *Tenontosaurus tilleti* Ostrom. *Journal of Paleontology* 64(1):164-165.
- Gates, T.A., 2005. The Late Jurassic Cleveland-Lloyd Dinosaur Quarry as a drought-induced assemblage. *Palaios* 20, 363-375.
- Godefroit, P., Dong, Z.-H., Bultynck, P., Li, H., and Feng, L. 1998. New *Bactrosaurus* (Dinosauria: Hadrosauridae) material from Iren Dabasu (Inner Mongolia, P.R. China). *Bulletin de l'Institut Royal Des Sciences Naturelles de Belgique Science de la Terre* 68: 3-70.
- Godefroit, P., Zan, S., Jin, L. 2000. *Charonosaurus jiayinensis*, n.g., n.sp., a lambeosaurine dinosaur from the Late Maastrichtian of northeastern China. *Comptes Rendus de l'Académie de Sciences, Earth and Planetary Sciences* 330: 875-882.
- Hungerbühler, A. 1998. Taphonomy of the prosauropod dinosaur *Sellosaurus*, and its implications for carnivore faunas and feeding habits in the Late Triassic. *Palaeogeography, Palaeoclimatology, Palaeoecology* 143: 1-29.
- Kirkland, J.I., 2005. A primitive therizinosaurid dinosaur from the Early Cretaceous of Utah. *Nature* 435, 84-87.
- Kobayashi, Y., J.-C. Lu, Z.-M. Dong, R. Barsbold, Y. Azuma, and Y. Tomida. 1999. Herbivorous diet in an ornithomimid dinosaur. *Nature* 402:480-481.
- Lehman, T. M., 1989. *Chasmosaurus mariscalensis*, sp. nov., a new ceratopsian dinosaur from Texas. *Journal of Vertebrate Paleontology* 9, 137-162.
- Madsen, J. H. 1976. *Allosaurus fragilis*: a revised osteology. *Utah Geological and Mineralogical Survey Bulletin* 109:1-163.
- Maxwell, W.D., Ostrom, J.H., 1995. Taphonomy and paleobiological implications of *Tenontosaurus-Deinonychus* associations. *Journal of Vertebrate Paleontology* 15, 707-712.
- Meng, Q., Liu, J., Varricchio, D.J., Huang, T., Gao, C., 2004. Parental care in an ornithischian dinosaur. *Nature* 431, 145-146.

- Ostrom, J.H. 1969. Osteology of *Deinonychus antirrhopus*, an unusual theropod from the Lower Cretaceous of Montana. Peabody Museum of Natural History Yale University Bulletin 30: 1-165.
- Prieto-Marquez, A., 2005. New information on the cranium of *Brachylophosaurus canadensis* (Dinosauria, Hadrosauridae), with a revision of its phylogenetic position. Journal of Vertebrate Paleontology 25, 144-156.
- Raath, M.A. 1990. Morphological variation in small theropods and its meaning in systematics: evidence from *Syntarsus rhodesiensis*. In: Carpenter K. & Currie P.J., (eds), Dinosaur Systematics, Approaches and Perspectives. New York, Cambridge University Press, 91-104
- Rogers, R.R., 1990. Taphonomy of three dinosaur bonebeds in the Upper Cretaceous Two Medicine Formation of Northwestern Montana: evidence for drought-related mortality. Palaios 5, 394-413.
- Ryan, M. J., and A. P. Russell. 2005. A new centrosaurine ceratopsid from the Oldman Formation of Alberta and its implications for centrosaurine taxon and systematics. Canadian Journal of Earth Sciences 42:1369-1387.
- Ryan, M. J., A. P. Russell, D. A. Eberth, and P. J. Currie. 2001. The taphonomy of a Centrosaurus (Ornithischia: Ceratopsidae) bonebed from the Dinosaur Park Formation (Upper Campanian), Alberta, Canada, with Comments on Cranial Ontogeny. Palaios 16:482-506.
- Rowe, T. 1989. A new species of the theropod dinosaur *Syntarsus* from the Early Jurassic Kayenta Formation of Arizona. Journal of Vertebrate Paleontology 9(2): 125-136.
- Sampson, S.D., 1995. Two new horned dinosaurs from the Upper Cretaceous Two Medicine Formation of Montana; with a phylogenetic analysis of the Centrosaurinae (Ornithischia: Ceratopsidae). Journal of Vertebrate Paleontology 15, 743-760.
- Sander, P. M. 1992. The Norian *Plateosaurus* bonebeds of central Europe and their taphonomy. Palaeogeography, Palaeoclimatology, Palaeoecology 93: 255-299.
- Varricchio, D.J. and Horner, J.R. 1993. Hadrosaurid and lambeosaurid bone beds from the Upper Cretaceous Two Medicine Formation of Montana: taphonomic and biologic implications. Canadian Journal of Earth Sciences 30: 997-1006.
- Varricchio, D. J., A. J. Martin, and Y. Katsura. 2006. First trace and body fossil evidence of a burrowing, denning dinosaur. Proceedings of the Royal Society B:1-7.
- Winkler, D.A., and Murry, P.A. Paleocology and hypsilophodontid behaviour at the Proctor Lake dinosaur locality (Early Cretaceous), Texas. In: Farlow, J.O. ed. Paleobiology of the dinosaurs: Boulder, Colorado, Geological Society of America Special Paper 238.
- Winkler, D.A., Murry, P.A., and Jacobs, L.L. 1997. A new species of *Tenontosaurus* (Dinosauria: Ornithomimidae) from the Early Cretaceous of Texas. Journal of Vertebrate Paleontology 17(2): 330-348.
- Xu, X., Clark, J.M., Forster, C.A., Norell, M.A., Erickson, G.M., Eberth, D.A., Jia, C., and Zhao, Q. 2006. A basal tyrannosauroid dinosaur from the Late Jurassic of China. Nature 439(9): 715-718.
- You, H., Dodson, P. 2004. Basal Ceratopsia. In Weishampel, D.B., Dodson, P. and Osmolska, H. (Eds). The Dinosauria. University of California Press, Berkeley, pp 478-493.