

Table ES1. The Eurasian Mesozoic Fossil Record of Buprestid Beetles. Our listing of Buprestidae is as complete as possible. The cited taxa were retrieved as searches from the online Paleobiology Database and our personal databases and collections. Unreliable affiliations from the older literature have been systematically excluded. Column ‘Age’: From oldest (top) to youngest (bottom).

<u>Location</u>	<u>Formation</u>	<u>Age</u>	<u>Taxa</u>	<u>Reference</u>
Russia, Nizhegorodskaya Oblast (Borehole 68)	[not mentioned]	Jurassic: Bathonian	<i>Ancestrimorpha volgensis</i>	ALEXEEV 1993
China, Inner Mongolia Prov. (Daohugou locality)	Jiulongshan	Jurassic: Late Callovian	<i>Sinoparathyrea bimaculata</i> , <i>Sinoparathyrea gracilenta</i> , <i>Sinoparathyrea robusta</i>	PAN et al. 2011
Kazakhstan, Chimkent Oblast (Mikhailkovka locality)	Karabastau	Jurassic: Oxfordian	<i>Acmaeoderimorpha ignota</i> , <i>Jurabuprestis karatauensis</i> , <i>Karatausia maculata</i> , <i>Metabuprestium ovale</i> , <i>Parathyrea jurassica</i>	ALEXEEV 1993, 1995, 2000
Germany, Bavaria (Eichstätt locality)	Solnhofen	Jurassic: Tithonian	<i>Pseudothyrea oppenheimeri</i>	ALEXEEV 1999
Mongolia, Kobdo Aimak (Myangad locality)	Gurvan-Eren	Cretaceous: Berriasian	<i>Planocoleus mjangadiensis</i>	PONOMARENKO 1986
Spain, Lérida Prov. (Rubies Quarry)	Caliza con Caraceas	Cretaceous: Berriasian – Valanginian	<i>Pseudochrysobothris ballae</i> , Buprestidae gen. et sp. indet.	WHALLEY & JARZEMBOWSKI 1985
Mongolia, Dundgov’ Aimak (Shin-Khuduk locality)	Shin-Khuduk	Cretaceous: Berriasian – Valanginian	<i>Mongolobuprestis gratioisus</i> , <i>Pseudomongoligena schinkhukense</i>	ALEXEEV 2000
China, Shandong (Shanwang locality)	Laiyang	Cretaceous: Late Hauterivian – Early Barremian	<i>Macronotus tuanwangensis</i>	HONG & WANG 1990
Russia, Transbaikalia (Semyon locality)	Zaza	Cretaceous: Hauterivian	<i>Acmaeoderimorpha? emersa</i> , <i>Cretothyrea optanda</i> , <i>Metabuprestium latipenne</i>	ARNOLDI et al. 1977, ALEXEEV 1996

Russia, Transbaikalia (Baissa locality)	Zaza	Cretaceous: Hauterivian	<i>Metabuprestium bayssense</i> , <i>Metabuprestium furcatorugosum</i> , <i>Metabuprestium latipenne</i> , <i>Metabuprestium shartologoiense</i> , <i>Metabuprestium vitimense</i>	ALEXEEV 1995, 1996, 1999
Mongolia Uverkhngai Aimak (Anda Khuduk locality)	Anda-Khuduk	Cretaceous: Hauterivian – Barremian	<i>Andakhudukia ponomarenkoi</i>	ALEXEEV 2008
China, Inner Mongolia (Liutiaogou locality)	Yixian	Cretaceous: latest Barremian	<i>Trapezitergum grande</i>	YU et al. 2013
China, Liaoning (Beipiao City locality)	Yixian	Cretaceous latest Barremian	<i>Mongoligenula altilabdominus</i> <i>Mongoligenula gracilis</i>	YU et al. 2014
Mongolia, Bayan Khongorskiy Aimak (Bon Tsagan locality)	Khuriltskaya	Cretaceous: Aptian	<i>Brevista zherichini</i> , <i>Crassisoma indistinctum</i> , <i>Diceromorpha</i> , <i>longipennis</i> , <i>Elegantella pono- marenkoi</i> , <i>Metabuprestium bontsaganense</i> , <i>Metabuprestium cretaceum</i> , <i>Metabuprestium dundulense</i> , <i>Metabuprestium granulipenne</i> , <i>Metabuprestium minutum</i> , <i>Metabuprestium nobile</i> , <i>Mongoligena curia</i> , <i>Mongolo- buprestis graciosus</i> , <i>Mongoligena vulgata</i> , <i>Paleas maculipennis</i> , <i>Paramongoligena transversicollis</i> , <i>Stigmoderimorpha rasnitsyni</i> <i>Umerata mirabilis</i> , Buprestidae incertae sedis	ALEXEEV 1993, 1995
Russia, Yakutiya (Sakha locality)	Eksenya-Khaya	Cretaceous: Aptian	<i>Metabuprestium oyunchaiense</i>	ALEXEEV 2000
Mongolia, East Aimak (Shar Tologoy locality)	Shar-Tolgoy	Cretaceous: Aptian	<i>Metabuprestium dundulense</i> , <i>Metabuprestium granulipenne</i> , <i>Metabuprestium ichbogdoense</i> , <i>Metabuprestium shartologoiense</i>	ALEXEEV 1995, 2009
Russia, Khabarovsk (Khetana River locality)	Emanra	Cretaceous: Middle Aptian	<i>Cretalbiana major</i> , <i>Cretalbiana sukatshevae</i>	ALEXEEV 2013

Myanmar, Kachin Prov. (Burmese amber)	?Taungbwet Taung	Cretaceous: earliest Cenomanian	<i>Acmaeodera burmitina</i>	COCKERELL 1917
Kazakhstan, Chiment (Kyzl-Dzhar locality)	Beleuty	Cretaceous Turonian	<i>Cretofrontolina kyzldzharica</i> <i>Kyzlordynia obscura</i>	ALEXEEV 2009
Russia, Yakutia (Arkagala locality)	Arkagalinskaya	Cretaceous: Turonian	<i>Metabuprestium arkharensis</i> , <i>Metabuprestium sibiricum</i>	ALEXEEV 2009

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