

Table S1. Information of samples with mitogenomes sequenced in this study

Family	Subfamily	Species	Specimen acc.	Locality	Longitude/latitude	Collection time
Crambidae	Spilomelinae	<i>Syllepte taiwanalis</i>	2020HNXY0152	Xinyang, Henan, China	114°03'59"E/31°49'14"N	Jul. 2020
		<i>Botyodes principalis</i>	2020HNLS0093	Lushan, Henan, China	112°30'56"E/33°41'00"N	Aug. 2020
		<i>Sinomphisa plagialis</i>	2020HNXY0137	Xinyang, Henan, China	114°03'59"E/31°49'14"N	Jul. 2020
Pyalidae	Epipaschiinae	<i>Orthaga euadrusalis</i>	2020HNLS0063	Lushan, Henan, China	112°31'20"E/33°44'19"N	Aug. 2020
	Pyalinae	<i>Endotricha olivacealis</i>	2019HNXY0003	Xinyang, Henan, China	114°03'59"E/31°49'14"N	Jul. 2019
		<i>Orybina regalis</i>	2020HNLS00092	Lushan, Henan, China	112°30'56"E/33°41'00"N	Aug. 2020
	Phycitinae	<i>Dioryctria rubella</i>	2020HNXY0123	Xinyang, Henan, China	114°03'59"E/31°49'14"N	Jul. 2020
		<i>Dusungwua basinigra</i>	2020HNXY0122	Xinyang, Henan, China	114°03'59"E/31°49'14"N	Jul. 2020
		<i>Acrobasis inouei</i>	2020HNXY0139	Xinyang, Henan, China	114°03'59"E/31°49'14"N	Jul. 2020