



Figure S1. Graphical abstract of this study

Table S1. NCBI GenBank accessions for entomopathogenic fungi used in this study

Fungal identification	Strain	Accession number	Reference
<i>Beauveria bassiana</i>	BbGD06	MH483648.1	(Niu et al., 2019)
<i>Cordyceps amoenerosea</i>	CBS 107.73	AY624168.1	(Luangsa-Ard et al., 2005)
<i>Purpureocillium lilacinum</i>	PIGD60	MH483708.1	(Niu et al., 2019)
<i>Metarhizium anisopliae</i>	MaGD32	MH483681.1	(Niu et al., 2019)
<i>Metarhizium carneum</i>	PacGD23	MH483672.1	(Niu et al., 2019)
<i>Beauveria bassiana</i>	BbGD06	MH483648.1	(Niu et al., 2019)
<i>Beauveria bassiana</i>	BbFJ11	MH483631.1	(Niu et al., 2019)
<i>Lecanicillium psalliotae</i>	LpGD62	MH483710.1	(Niu et al., 2019)
<i>Cordyceps javanica</i>	IfFJ01	MH483617.1	(Niu et al., 2019)
<i>Beauveria bassiana</i>	BbFJ01	MH483616.1	(Niu et al., 2019)
<i>Metarhizium anisopliae</i>	MaGD74	MH483714.1	(Niu et al., 2019)
<i>Cordyceps japonica</i>	BCC 2787	AY624200.1	(Luangsa-Ard et al., 2005)
<i>Cordyceps tenuipes</i>	Arsef 5135	AY624196.1	(Luangsa-Ard et al., 2005)
<i>Cordyceps javanica</i>	CBS 134.22	AY624186.1	(Luangsa-Ard et al., 2005)
<i>Cordyceps ghanensis</i>	CBS 105.73	AY624185.1	(Luangsa-Ard et al., 2005)
<i>Cordyceps coleopterora</i>	CBS 102.73	AY624176.1	(Luangsa-Ard et al., 2005)
<i>Paecilomyces catenobliquus</i>	CBS 153.83	Y624173.1	(Luangsa-Ard et al., 2005)

Table S2. NCBI GenBank accessions for selected entomopathogenic fungi obtained during this study

Fungal identification	Strain	Site	Accession number
<i>Beauveria bassiana</i>	TA-2	Tanta	OL631250
<i>Metarhizium anisopliae</i>	KZ-2	Kafr El-Zayat	OL631251
<i>Metarhizium anisopliae</i>	KSH-8	Kafr El-Shaikh	OL631252
<i>Beauveria bassiana</i>	KSH-2	Kafr El-Shaikh	OL631253
<i>Beauveria bassiana</i>	TA-4	Tanta	OL631254
<i>Beauveria bassiana</i>	DM-6	Damietta	OL631255
<i>Cordyceps javanica</i>	DM-3	Damietta	OL631256