

Table S1. Details of native isolates of entomopathogenic fungal isolates obtained from soil samples and insect cadavers in Pakistan.

Fungal group	Code	Host/Substrate	Location
<i>Metarhizium anisopliae</i>	WG-08	<i>Sitophilus oryzae</i> (L.)	Lodhran, Punjab
<i>Metarhizium anisopliae</i>	WG-09	<i>Tribolium castaneum</i> (Herbst)	Basti Maluk, Punjab
<i>Beauveria bassiana</i>	WG-14	Soil	Sheikhupura, Punjab
<i>Beauveria bassiana</i>	WG-21	Soil	Lahore, Punjab
<i>Beauveria bassiana</i>	WG-22	<i>Tribolium castaneum</i> (Herbst)	Gujranwala, Punjab
<i>Beauveria bassiana</i>	WG-23	<i>Tribolium castaneum</i> (Herbst)	Bhakhar, Punjab
<i>Beauveria bassiana</i>	WG-24	Soil	Jhelum, Punjab
<i>Beauveria bassiana</i>	WG-25	<i>Tribolium castaneum</i> (Herbst)	Rawalpindi, Punjab
<i>Beauveria brongniartii</i>	WG-26	Soil	Islamabad, Federal
<i>Beauveria brongniartii</i>	WG-27	Soil	Murree, Punjab
<i>Purpureocillium lilacinum</i>	WG-33	Soil	Bahawalpur, Punjab
<i>Purpureocillium lilacinum</i>	WG-34	<i>Callosobruchus maculatus</i> (F.)	Faisalabad, Punjab
<i>Purpureocillium lilacinum</i>	WG-35	Soil	Multan, Punjab
<i>Purpureocillium lilacinum</i>	WG-36	Soil	Khanewal, Punjab
<i>Purpureocillium lilacinum</i>	WG-37	<i>Tribolium castaneum</i> (Herbst)	Shorkot, Punjab

Table S2. Factorial analysis for screening of fifteen fungal isolates of entomopathogenic fungi and mycosis in larvae and adults of *Rhynchophorus ferrugineus*.

Source	df	Mortality				Mycosis			
		Larvae		Adult		Larvae		Adult	
		F	P	F	P	F	P	F	P
Fungal isolates	14	211.91	< 0.01	88.51	< 0.01	357.45	< 0.01	440.69	< 0.01
Concentration	1	828.77	< 0.01	742.15	< 0.01	949.53	< 0.01	1777.49	< 0.01
Fungal isolates × concentration	14	14.68	< 0.01	5.54	< 0.01	5.57	< 0.01	32.56	< 0.01
Total	179								

Table S3. Factorial analysis for virulence of five selected isolates of entomopathogenic fungi against larvae and adults of *Rhynchophorus ferrugineus*.

Source	df	Larvae		Adults	
		F	P	F	P
Fungal isolates	4	507.40	< 0.01	623.73	< 0.01
Concentration	3	3705.51	< 0.01	3044.29	< 0.01
Interval	2	6088.06	< 0.01	4318.80	< 0.01
Fungal isolates × concentration	12	1.76	0.05	5.49	< 0.01
Fungal isolates × interval	8	2.66	< 0.01	18.83	< 0.01
Concentration × interval	6	62.32	< 0.01	47.40	< 0.01
Fungal isolates × concentration × interval	24	7.93	< 0.01	2.55	< 0.01
Total	539				