

Table S1. List of entomopathogenic fungal genomes used for LS-BSR analysis.

Strain	GenBank assembly accession
<i>Purpureocillium lilacinum</i> PLFJ-1	GCA_001653265.1
<i>Cordyceps javanica</i> IJ1G	GCA_006981985.1
<i>Sporothrix insectorum</i> RCEF264	GCA_001636815.1
<i>Moelleriella libera</i> RCEF2490	GCA_001636675.1
<i>Metarhizium robertsii</i> ARSEF2575	GCA_000591435.1
<i>Lecanicillium psalliotae</i> HWLR35	GCA_002796755.1
<i>Akanthomyces lecanii</i> UM487	GCA_001653215.1
<i>Metarhizium acridum</i> CQMa102	GCA_000187405.1
<i>Cordyceps fumosorosea</i> ARSEF2679	GCA_001636725.1
<i>Metarhizium robertsii</i> ARSEF23	GCA_000187425.2
<i>Beauveria bassiana</i> ARSEF1520	GCA_001684195.1
<i>Beauveria brongniartii</i> RCEF3172	GCA_001636735.1
<i>Tolypocladium paradoxum</i> NRBC100945	GCA_002916505.1
<i>Aspergillus flavus</i> NRRL3357	GCA_014117465.1
<i>Beauveria bassiana</i> ARSEF2860	GCA_000280675.1
<i>Aspergillus flavus</i> NRRL118543	GCA_014117465.1
<i>Metarhizium anisopliae</i> ARSEF549	GCA_002456175.2
<i>Metarhizium rileyi</i> Cep018-CH2	GCA_007866325.1
<i>Beauveria pseudobassiana</i> KACC47484	GCA_003267905.1
<i>Beauveria pseudobassiana</i> RGM2184	GCA_022985055.1
<i>Metarhizium brunneum</i> ARSEF3297	GCA_000814965.1
<i>Metarhizium anisopliae</i> BRIP53293	GCA_000426965.1
<i>Metarhizium album</i> ARSEF1941	GCA_000804445.1
<i>Cordyceps javanica</i> IJ2G	GCA_006981975.1
<i>Ophiocordyceps polyrhachis-furcata</i> BCC54312	GCA_001633055.2
<i>Akanthomyces lecanii</i> RCEF1005	GCA_001636795.1
<i>Cordyceps militaris</i> CM01	GCA_000225605.1