

**S2 Table. The ITS sequences of fungal strains.**

Strain	Species	Gene bank access No.	ITS sequence
MaTS01	<i>M.anisopliae</i> var. <i>anisopliae</i>		gtggctcgacttactccaccctgtgattatacctttaattgttcttggcgggacttcgcgccgccgggga cccaaaccttctgaatttttaataagtattcttctgagtggttaaaaaaatgaatcaaaacttcaacaacggat ctcttggttctggcatcgaagaacgcagcgaatgcgataagtaattggaattgcagaattcagtgatcat cgaatcttgaacgcacattgcgccctcagttctggcgggcatgcctgttcgagcgtcattacgccctca agtcccttgcggacttgggttggggatcggcgaggctggtttccagcacagccgtcccttaattaattggc ggtctgccgtggccctccttgcgcagtagtaaacactcgaacaggagcccggcgcggtccactgccg taaaaccccccaacttttatagttgacctgaatcaggtaggactaccgctgaacttaagcatatcaa
IFTS08	<i>I.fumosorosea</i>		gggggatcggacttactccaaccactgtgaaccttacctcagttgctcggcggggaacgcccccggccgc cggcccccgcgccggcggaccaggcggccggcagggaccccaactcttgcattacgccca gaggcgggaatttcttctgagttgcacaagcaaaaacaaatgaatcaaaacttcaacaacggatcttgg tctggcatcgaagaacgcagcgaatgcgataagtaattggaattgcagaattcagtgatcatcgaatct tgaacgcacattgcgccgccagcattctggcgggcatgcctgttcgagcgtcattcaacctcagcccc cccggggcctcgggttgggggacggcacaccagccgccccgaaatgcagtgggcagcccggccag cctccctcgtagtagcacacacctgcaccggagcgggagcgggtcacccgtaaacgcccaactt cttagagttgacctggatCaggtaggaatacccgctgaacttaagcatatcaataagcggaggaa
MaTS02	<i>M.anisopliae</i> var. <i>anisopliae</i>	KX057378	ggggatcgacttactccaccctgtgattatacctttaattgttcttggcgggacttcgcgccgccggg gacccaaaccttctgaatttttaataagtattcttctgagtggttaaaaaaatgaatcaaaacttcaacaacggat ctcttggttctggcatcgaagaacgcagcgaatgcgataagtaattggaattgcagaattcagtgatcat cgaatcttgaacgcacattgcgccctcagttctggcgggcatgcctgttcgagcgtcattacgccctca agtcccttggacttgggttggggatcggcgaggctggtttccagcacagccgtcccttaattaattggc ggtctgccgtggccctccttgcgcagtagtaaacactcgaacaggagcccggcgcggtccactgccg taaaaccccccaacttttatagttgacctgaatcaggtaggactaccgctgaacttaagcatatcaaaagcc ggaggaa
BbTS01	<i>B. bassiana</i>		ggggatcggagcttactcctacccttctgacctacctatcgttcttggcgggacttcgccccagcccggac gggactggaccagcggcccgccgggacctcaactctgtattccagcatcttgaatacggcgaagg caaaacaaatgaatcaaaacttcaacaacggatcttggcttggcatcgaagaacgcagcgaaacgc gataagtaattggaattgcagaatccagtgatcatcgaatcttgaacgcacattgcgccgccagcattctgg cgggcatgcctgttcgagcgtcattcaacctcgaacctcccttggggggctcggcgttggggaccggcag cacaccggccctgaaatggagtggcgcccgccgcccagacctctgcgcagtaatacagctcgcac cggaaacccgacgcggccacgcccgtaaaacccaactctgaacgttacctgaatcaggtaggactac ccgctgaacttaagcatatcaaaagccggaggaa
MaTS03	<i>M.anisopliae</i> var. <i>anisopliae</i>		gtggcctcgactactccaccctgtgattatacctttaattgttcttggcgggacttcgcgccgccggg gacccaaaccttctgaatttttaataagtattcttctgagtggttaaaaaaatgaatcaaaacttcaacaacggat ctcttggttctggcatcgaagaacgcagcgaatgcgataagtaattggaattgcagaattcagtgatcat cgaatcttgaacgcacattgcgccctcagttctggcgggcatgcctgttcgagcgtcattacgccctca agtcccttggacttgggttggggatcggcgaggctggtttccagcacagccgtcccttaattaattggc ggtctgccgtggccctccttgcgcagtagtaaacactcgaacaggagcccggcgcggtccactgccg taaaaccccccaacttttatagttgacctgaatcaggtaggactaccgctgaacttaagcatatca
MaTS04	<i>M.anisopliae</i> var. <i>anisopliae</i>	KX057377	ggggaatcgacttactccaccctgtgattatacctttaattgttcttggcgggacttcgcgccgccggg ggacccaaaccttctgaatttttaataagtattcttctgagtggttaaaaaaatgaatcaaaacttcaacaacgga tctcttggttctggcatcgaagaacgcagcgaatgcgataagtaattggaattgcagaattcagtgatca tcgaatcttgaacgcacattgcgccctcagttctggcgggcatgcctgttcgagcgtcattacgccctca agtcccttggacttgggttggggatcggcgaggctggtttccagcacagccgtcccttaattaattggc ggtctgccgtggccctccttgcgcagtagtaaacactcgaacaggagcccggcgcggtccactgccg taaaaccccccaacttttatagttgacctgaatcaggtaggactaccgctgaacttaagcatatcaaaagcc ggaggaa
MaTS05	<i>M.anisopliae</i> var. <i>anisopliae</i>		ggctcgacacactccaccctgtgattatacctttaattgttcttggcgggacttcgcgccgccgggac ccaaaccttctgaatttttaataagtattcttctgagtggttaaaaaaatgaatcaaaacttcaacaacggatctt ggttctggcatcgaagaacgcagcgaatgcgataagtaattggaattgcagaattcagtgatcatcga atcttgaacgcacattgcgccctcagttctggcgggcatgcctgttcgagcgtcattacgccctcaagtc ccctgtgacttgggttggggatcggcgaggctggtttccagcacagccgtcccttaattaattggcggct cgccgtggccctccttgcgcagtagtaaacactcgaacaggagcccggcgcggtccactgccgtaaaa



			gctgaacttaagcatatcaataagccggaggaa
PITS01	<i>P. lilacinus</i>	KX057374	<p>gataggggcttcaactccaaccactgtgaaccttacctcagttgcctcggcgggaacgccccggccgccc  ccccgcgcccggcggaccaggcggcccgccgagggaccccaactcttgcattacgcccagcg  ggcgggaatttctctctgagttgcacaagcaaaaacaaatgaatcaaaacttcaacaacggatctctggtctg  gcatcgatgaagaacgcagcgaatgcgataagtaatgtgaattgcagaattcagtgatcatcgaatcttga  acgcacattgcggcccgagcattctggcgggcatgcctgttcgagcgtcattcaaccctgagccccccg  ggggcctcgggtgtgggggacggcacaccagccggcccgaaatgcagtgggcaccggccgcagcctc  ccctgcgtagtagcacacacctgcaccggagcggaggcggcagccgtaaacgccaacttctta  gagttgacctggatcaggttaggaataaccgctgaacttaagcatatcaataagccggaggaa</p>
LpTS01	<i>L. psalliotae</i>	KX057379	<p>gggggaaggggctcaactccaacccttatgtgaacataccataatgttgcctcggcggactcggccggcgtc  cggacggcctagcggccggcggccggaccaggcggccggcggagaccacaaaactatttgtatc  agcagtttttctgaatccggcgaaggcaaaacaaatgaatcaaaacttcaacaacggatctctggtctg  catcgatgaagaacgcagcgaatgcgataagtaatgtgaattgcagaattcagtgatcatcgaatcttga  cgcacattgcggcccgagcattctggcgggcatgcctgttcgagcgtcattcaaccctgacttcccttgg  ggaatcggcgttggggactggcagcataccggcggcccgaaatggagtgggcggccgtccgcggcga  cctctgcgtagtaatcaacctgcaccggaacccggacgtggccacggcgtaaaacaccccacttctgaa  cgttgacctggatcaggttaggaataaccgctgaacttaagcatatcaaaagccggaggaa</p>