

1 Supplementary

2 Table S1. Macro and micro characters for morphotyping the fungal endophytes.

Fungal endophyte	Morpho type	Shape	Colony colour		Elevation	Texture	Mycelium	Spore
			Front	Back				
PMR1.1 PMR1.2 PMR1.3	PM1	Irregular	Whitish-pink	Brownish-orange	Elevated	Fluffy	Aerial	Macro-conidia-23-53 × 3-4.5 µm Micro-conidia-5-11 × 2.4-3.5 µm
PMR2	PM2	Irregular	White	Yellow	Elevated	Cottony	Aerial	Macroconidia-28-42 × 4-6 µm Microconidia-8-16 × 2-4.5 µm
PMR3	PM3	Irregular	Bluish-green	Orange-yellow	Elevated	Velvety	Aerial	Conidia- 2.8-4.2 × 2.6-3.5 µm on flasked shaped phialades
PMR4	PM4	Circular	Centre brown and periphery white	Centre brown and periphery white	Flat	Cottony	Aerial	Non-sporulative
PMR5	PM5	Circular	White	Yellow	Elevated	Cottony	Aerial	Non-sporulative

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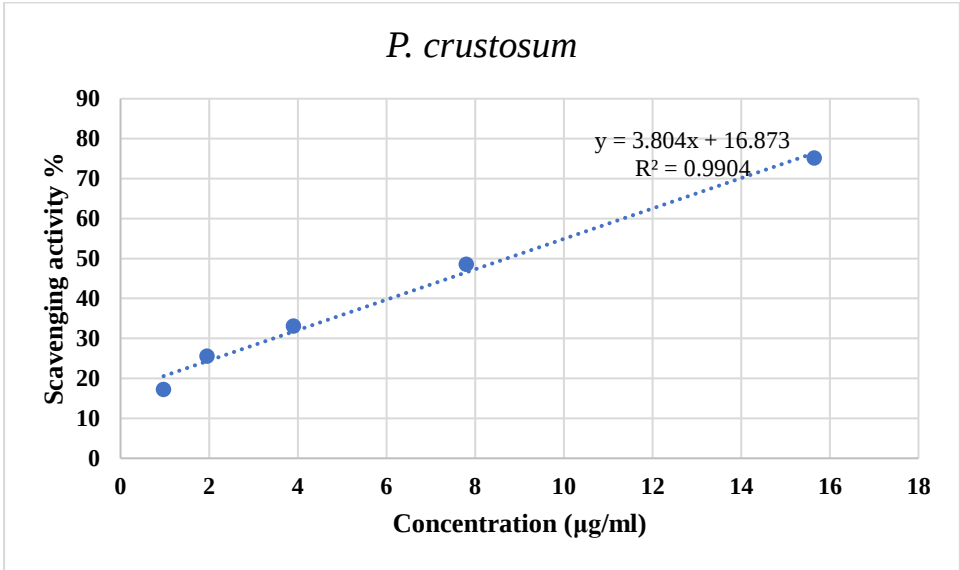
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5 Table S2. DNA sequences of the fungal endophytes deposited in the GenBank.

Fungal endophyte	Sequence
PM1 (OR136409)	CCTCGGCGGATCAGCCCGCTCCCGGTAGAACGGGACGGCCCGCCAG AGGACCCCTAAACTCTGTTTCTATATGTAAGTCTGAGTAAAACCATA AATAAATCAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATG AAGAACGCAGCAAAATGCGATAAGTAATGTGAATTGCAGAATTTCAGT GAATCATCGAATCTTTGAACGCACATTGCGCCCGCCAGTATTCTGGCG GGCATGCCTGTTTCGAGCGTCATTTCAACCCTCAAGCACAGCTTGGTG TTGGGACTCGCGTTAATTCGCGTTCCTCAAATTGATTGGCGGTCACG
PM2(OR136405)	CCGTAACACGGGCGCCCGCCAGAGGACCCCTAACTCTGTTTCT ATAATGTTTTTCTGAGTAAACAAGCAAATAAATCAAACTTTCAACA ACGGATCTCTTGGCTCTGGCATCGATGAAGAACGCAGCGAAATGCGA TAAGTAATGTGAATTGCAGAATTTCAGTGAATCATCGAATCTTTGAACG CACATTGCGCCCGCCAGTATTCTGGCGGGCATGCCTGTTTCGAGCGTCA TTACAACCCTCAGGCCCCCGGGTCTGGCGTTGGGGATCGGCGGAAGC CCCCTGTGGGCACAACGCCGTCCCCCAAATACAGTGGCGGTCCCGCC GCAGCTTCCATTGCGTAGTAGCTAACACCTC
PM3 (PP706771)	CGGCAAGCGCCGGCCGGGCTACAGAGCGGGTGACAAAGCCCCATAC GCTCGAGGACCGGACGCGGTGCCGCCGCTGCCTTTCGGGCCCCGTCCC CCGGAGATCGGGGGACGGGGCCCAACACACAAGCCGGGCTTGAGGG CAGCAATGACGCTCGGACAGGCATGCCCCCGGAATACCAGGGGGCG CAATGTGCGTTCAAAGACTCGATGATTCACTGAATTTGCAATTCACATT ACGTATCGCATTTTCGCTGCGTTCTTCATCGATGCCGGAACCAAGAGATC

	CGTTGTTGAAAGTTTTAAATAATTTATATTTTCACTCAGACTTCAATCTT CAGACAGAGTTCGAGGGTGTCTTCGGCGGGCGCGGGCCCCGGGGGCGT AAGCCCCCGGCGGCCAGTTAAGGCGGGCCCGCCGAAGCAACAAGGT AAAATAAACACGGGTGGGAGGTTGGACCCAGAGGGCCCTCACTCGGT AATGATCCTTCCGCAGGT
PM4 (OR136407)	CTATACCTTTACGTTGCCTCGGCGGCGTCCGCTTCGGCGGCCCCGCCAG AGGACCCAAACTCTTGTAATTTGAATTGAGTATTCTCTGAGTGATACAA GCAATAAATTAACCTTTCAACAACGGATCTCTTGTTCTGGCATCGA TGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCA GTGAATCATCGAATCTTTGAACGCACATTGCGCCCCGCCAGTATTCTGG CGGGCATGCCTGTTTCGAGCGTCATTTCAACCCTCAAGCCCCGGGCT TGGTGTGGAGATCGGCAACTGCCCCTTGCGGGTGCGCCGTCTCCCA AATCTAGTGGCGGTCTCGCTGTAGCTTCCTCTGCGTAGTA
PM5 (OR136408)	CTTCGGCGGTTCGGCCCCCGGGCCCCCGGCCCGCTCACGCGGGGCG TCCGCCGGAGGATAACCAAACCTCTGATTTAACGACGTTTCTTCTGAGT GGCACAAGCAAATAATCAAACTTTTAACAACGGATCTCTTGTTCTG GCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCA GAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCCGCCAGC ATTCTGGCGGGCATGCCTGTTTCGAGCGTCATTTCAACCCTCAAGCACT GCTTGGTGTGGGGCTCTACGGTTGACGTAGGCCCCC

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Fig. S1. DPPH radical scavenging activity of fungal endophyte *P. crustosum*.

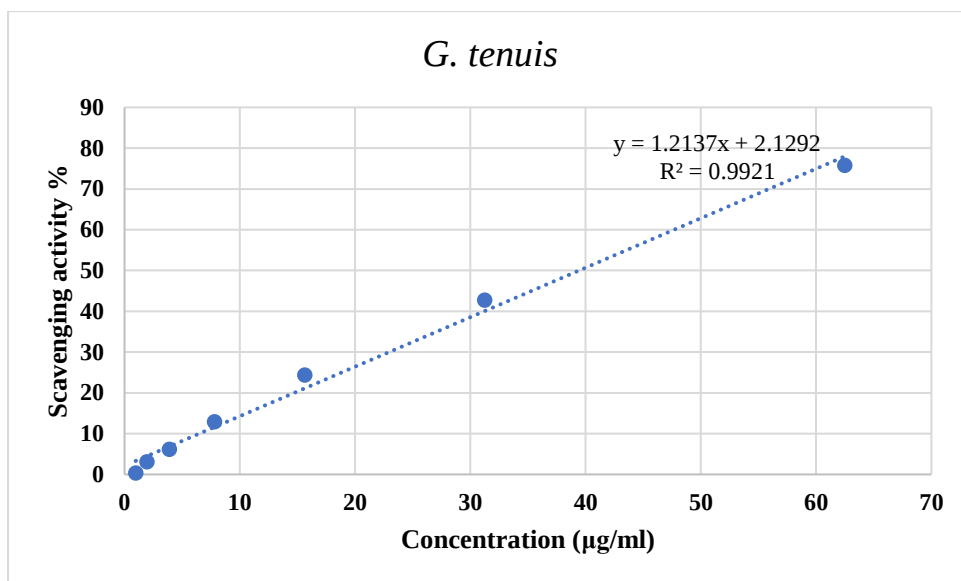


Fig. S2. DPPH radical scavenging activity of fungal endophyte *G. tenuis*.