

Coupling Microplate-based Antibacterial Assay with Liquid Chromatography for High-resolution Growth Inhibition Profiling of Crude Extracts: Validation and Proof-of-Concept Study with *Staphylococcus aureus*

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Table S1. ITS, Alt a 1, and GAPDH sequences of *Alternaria* sp. strain ILF-013

Table S2. ITS and β -tubulin sequences of *Trichoderma asperellum* strain ILF-006

Table S3. ITS and β -tubulin sequences of *Aspergillus montevidensis* strain ILF-009

Table S1. ITS, Alt a 1, and GAPDH sequences of *Alternaria* sp. strain ILF-013

Gene	Sequence
ITS	CGTAGGTGAACCTGCGGAGGGATCATTACACAATATGAAAGCGGGCTGGCATC CTTCGGGGTTACAGCCTTGCTGAATTATTCACCCGTGTCTTTTGCGTACTTCTTG TTTCCTTGGTGGGTTCGCCCACCATAGGACAAACCATAAACCTTTTGTAATTGC AATCAGCGTCAGTAAAAAATTAATAATTACAACCTTTTAACAACGGATCTCTT GGTTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAGTGTGAATTGC AGAATT Accession Number: MT755729
Alt a 1	CTTGCCGCCGCCGCTCCCCTTGAGTCTCGCCAGGACACTGCATCCTGCCCTGTC TCCACCCAGGGTGACTACGTCTGGAAGATCTCTGAGTTCTACGGACGCAAGCC TGAGGGAACCTACTACAACAGCCTAGGGTTCAACATCAAGGCCACCAACGGAG GAACCCTCGACTTCACCTGCTCTGCTCAGGCGGACAAGCTTGAGGACCACAAG TGGTACTCTTGCGGCGAGAACAGCTTCATGGACTTTTCTTTTGACAGCGACCGC AGCGGTCTGCTCCTGAAGCAGAAGGTCAGCGACGAGTAAGTTTCCCCCATACT CTCGAATACTCCTCATCTTCAGATGTACTAACTTTTCCTTCAGCATCACCTATGT CGCTACCACCACTCTTCCCTAACTACTGCCGCGCTGGCGGTAACGGCCCCAAGG ACTTCGTCTGCCAGGGCGTCTCCGACGCCTGCATCACCTCGT Accession Number: MT759799
GAPDH	AGCTTCACCCGCTCCATTGATTCAATTGTATCAAAGCTAACC GCATGTCACAGT ATCGAGCACAACGACGTCGACATTGTCGCCGTAAACGACCCCTTCATCGAGCC CCACTACGCTGTAAGCTTCCCCAAGCACTCAAACCTATAGCCATAGCCATCCAA ATCGCGACATCAGTCCTTGCGATGCGCTAGGGCTACTCCACGGTTGCAGATTGC AGGCTAACACATCCAGGCCTACATGCTCAAGTATGACAGCACACACGGCCAGT TCAAGGGCGAGATCAAGGTTGACGGCAACAACCTGACCGTCAACGGCAAGAC CATCCGTTTCCACATGGAGAAGGACCCCGCCAACATCCCATGGAGCGAGACCG GCGCTTACTACGTCGTTGAGTCCACCGGTGTCTTCACCACTACCGAGAAGGCCA AGGCTCACTTGAAGGGTGGAGCCAAGAAGGTCGTCATCTCTGCTCCCTCTGCT GACGCCCCCATGTTTCGTCATGGGTGTCAACCACGAGACTTACAAGTCCGACAT TGAGGTTCTCTCAAACGCCTCTTGCACAA Accession Number: MT759800

Table S2. ITS and β -tubulin sequences of *Trichoderma asperellum* strain ILF-006

Gene	Sequence
ITS	AACAAGGTCTCCGTTGGTGAACCAGCGGAGGGATCATTACCGAGTTTACAACCT CCCAAACCCAATGTGAACGTTACCAAACCTGTTGCCTCGGCGGGGTCACGCCCC GGGTGCGTCGCAGCCCCGGAACCAGGCGCCCGCCGGAGGAACCAACCAAACCT CTTTCTGTAGTCCCCTCGCGGACGTATTTCTTTACAGCTCTGAGCAAAAATTCA AAATGAATCAAACTTTCAACAACGGATCTCTTGTTCTGGCATCGATGAAGA ACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGA ATCTTTGAACGCACATTGCGCCCCGCCAGTATTCTGGCGGGCATGCCTGTCCGAG CGTCATTTCAACCCTCGAACCCCTCCGGGGGATCGGCGTTGGGGATCGGGACC CCTCACACGGGTGCCGGCCCCCTAAATACAGTGGCGGTCTCGCCGCAGCCTCTC CTGCGCAGTAGTTTGCACAACCTCGCACCGGGAGCGCGGGCGCGTCCACGTCCGT

	AAAACACCCAACTTTCTGAAATGTTGACCTCGGATCAGGTAGGAATACCCGCT GAACTTAAG Accession Number: MT755730
β -tubulin	GGTGCTGCTTTCTGGCAAACCATTTCCGGCGAGCACGGCCTCGACAGCAATGG TATCTACAACGGCTCTTCTGAGCTCCAGCTGGAGCGCATGAACGTCTACTTCAA CGAGGTATGTCTGGCTACGCCAAAAGAGGACACCTGGAAGACGTCCCGTTCTG ACCTTGATGGTGCAGGCCTCCAACAACAAGTATGTTCCCTCGCGCTGTCTCGTC GATCTCGAGCCCGGCACCATGGACGCCGTCCGTGCCGGTCCCTTCGGTCAGCTC TTCCGTCCCGACAACCTTCATCTTCGGCCAGTCCAGTGCCGGAACAACCTGG Accession Number: MT759801

Table S3. ITS and β -tubulin sequences of *Aspergillus montevidensis* strain ILF-009

Gene	Sequence
ITS	AACAAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTACCGAGTGCGGGCCC TCTGGGTCCAACCTCCCATCCGTGTCTATCTGTACCCTGTTGCTTCGGCGTGGC CACGGCCCCGCCGGAGACTAACATTTGAACGCTGTCTGAAGTTTGCAGTCTGAG TTTTTAGTTAAACAATCGTTAAACTTTCAACAACGGATCTCTTGGTTCCGGCA TCGATGAAGAACGCAGCGAAATGCGATAATTAATGTGAATTGCAGAATTCAGT GAATCATCGAGTCTTTGAACGCACATTGCGCCCCCTGGTATTCCGGGGGGCAT GCCTGTCCGAGCGTCATTGCTGCCCTCAAGCACGGCTTGTGTGTTGGGCTTCCG TCCCTGGCAACGGGGACGGGCCCAAAGGCAGTGGCGGCACCATGTCTGGTCC TCGAGCGTATGGGGCTTTGTACCCGCTCCCGTAGGTCCAGCTGGCAGCTAGCC TCGCAACCAATCTTTTTTAACCAGGTTGACCTCGGATCAGGTAGGGATACCCGCT GAACTTAAGCATAT Accession Number: MT755731
β -tubulin	GGTGCTGCTTTCTGGTATGTTTTTAAATATTGGGAGATGGATTGGGAGATATA CTAACAGTATCACAGGCAGACTATCTCCGGCGAGCACGGTCTCGACGGCTCTG GTGTGTAAGTACAGTCGGGTCTCCGAGATGGACGCGTATCGGATATGGATATC TAACGGATTTTCACTACAACGGATCCTCCGACCTCCAGTTGGAGCGTATGAAC GTCTACTTCAACGAGGTTTGCCTATCCGTTCGTGTTTGTGTGGAAACAGCTCTG ACAGTGATAGGCCTCCAACAACAAATATGTCCCCCGTGCCGTCCTCGTCGACCT TGAGCCAGGTACCATGGATGCCGTCCGTGCCGGTCCCTTCGGTCAGCTCTTCCG CCCCGACAACCTTCGTCTTCGGCCAGTCCGGTGCCGGTAACAACCTGGGCCAAGG GTC Accession Number: MT759802