

## Supplementary Information

# Co-Culture of White Rot Fungi *Pleurotus ostreatus* P5 and *Bacillus amyloliquefaciens* B2: A Strategy to Enhance Lipopeptide Production and Suppress of Fusarium Wilt of Cucumber

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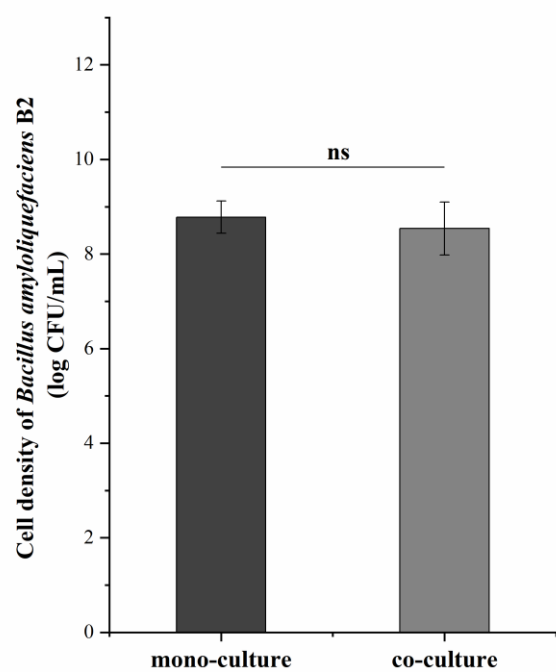
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**A** CCGTTGTATTCGTCATCTCTTTGATCTGACGGTGACTTCTATCTTCACA  
CCGCTTGTACGGGCAATACGATCATCTACGACGGTGAGGATAAAA  
CAGCACTGCTTGCCTCGATTGTGAGGACCCGAGGGTGGAATCATTA  
ATTGACCCCGCCATTTCAGGTTTGAAGAAATGAACCTCGCCGAT  
AAAACGGCTGTCCGAAGAATGATTGTGGCGGGGAGAACTAAGCACC  
CGGTAGCCCAAAGCATTTCATGAACAGTTCGAAGGCCGGAATTGAATAT  
GCAATGAGTACGGGCCGACTGAACCGTTGTGCGCTGCATGATTACCG  
TTACGATGCCGTAAAAGACAGGCCGGAATCGGTACCGATCGGAACGGC  
TGCAGCAACATGAGCAITTTATGTTCTTGTGAGAAATAGGAAACCCGTG  
CCGATCGGTGTCCCTGGGGAAATCTATATCAGCGGCGCCGGCGTGGCAA  
GAGGATATTTAAACCGGCCGGAATTGACGGCAGAGAAATTTGTCGATGA  
CCCTTTTGAACCCCGCGGAGCCAAGATGTATAAACCCGGAGATTGGCG  
AAGTGGCTGTGACGGAAACATCGAATATGCGGGAAGAAATAGATGAA  
CAAGTAAAAATCAGAGGCTATCGTATTGAATTAGGAGAGATCGAGGCGG  
CACTGCACCAAGAAAGAGCGATCAAGGAAGCGGTCTGACAGCCAGA  
GAAGATGTCCACGGGTTCAAACAATTGTGTCATATTACGTGAGCTGGC  
GACAAATAACGGTATCAAGCTTCGGAAACAATTGTCTCAAACTCTGGC  
AAGTTATATGATTCCGGCTTATTTATCGAGATGGATGAAATGCCTTTAAC  
CTCCAACGGAAAAATAACAGAAAAGAGCTGCCGGCTCCGGATTTCGG  
CCTGACAGGACAGAGCAGATATAAGGCTCCCGAACGAAAGCGGAAG  
AAATATTAGTATCTGTCTGGGAATCGGTATTAGGCGCAGAGAACATCGGT  
ATTCTGGATAATTTCTTGTATCTCGGCGGAGATTTCGATTAAATCAATTCAA  
GTGTATCCAGATTAACAAAGCGGATACAAAATGGAATCAAGGACT  
TGTTTCAATATGCAACGAT

**B** CGCGGTACATATTCTCTCATTGACGACGAGAAGCTTCGTCGCCGTGTCTT  
CCAGAGAGTAGCGGATTCTCTTTCAGGCGTCTCCGGATCAATCGGGAG  
AAACGACGCCCCGGCTTTCATGACACCGAGAATCGCGGTAATTAAGTCA  
GCCGAACGATCCATATAATGGCAACGATGTCCTCGCTGCCCGTCCGC  
AGGCTGTAGGCGGCGCGCAACCGGTTTCGACTGTTTCATCAAGTCCC  
GATATGTCAGACTTGTCCGCCCGCAACCGCGTGTGAGATCAGGCGTTT  
TTGCGCTTGCGGTTCAAACAGCGAAACAAAAGTGCCTTCAGGCAGGTC  
CGCTTCGTCAGTTTTTCATCAGAAAGGAGCGCTTCCCGCTCAGAAGCA  
GACAACAGGCTTGATCAGCCAGCTGAATATCCGGATTTCAGCGCAGG  
CTTTAATCAGATTGACAAAATGAATACTCCAGCGGCGGATTGTTTCGTCC  
GCAAATAAGGCTTTCGCAATAATCAAAGCTCAATCCGACCTTCTCCGC  
GTTACGCGCTTCTAAAGAAAGATCAAATTTAGCGACATGATGATGCAT  
GGAATATGAAGAAATCTGCAATCACCAGCCGACAGAGACGGGATCTC  
CATGTTCTGCATATTAAATAACACGCTGAACAGAGGACTCCGGCTTGTG  
TCCCTCGTTAACGGCAGTTTTTCAATTAATTTTCAAGCGGATAGCTTGT  
ATGCTCAAAAGCTTGAAGACTCGCGTTTTACCTCGTCCAGAAATTGC  
TTGAACGTTTTTTTGGCGGAGGATGCGACCGAAGCGCAACCGTGTGA  
CAAACATGCCCGGCACCTCTTGGAGATCGGGATGCTGTCTTCCGGCTGC  
CGGAGATCCGACTATGATATCTTCTGCCCTGAATATTAGAGAGCAGCA  
CTTGAAAGCGGCTAACAAAGACATGTACATCGTCGATCCGTATCAGC  
CAGCAATGTCTTAATCTGCGCTGTACTTGTCTTCAAGTCCGAAATGA  
CGCGTTCCTTCAAACTGCGCTCGGACGAGCGGGAAATCAAGCG  
GCAGGTCCAGCACCGGACAGTGCCTTTGAACGTATCAGCCAGTAAG  
CTTCGTGCTGATCCAGATTGCTTTTTACGCTGCCAGAC

**Figure S1.** The partial nucleotide sequences of iturin synthetase gene (A) and surfactin synthase gene (B) obtained in our study.



**Figure S2.** Comparison of cell density of *Bacillus amyloliquefaciens* B2 under different culture conditions. Statistical significance was calculated using t-test where “ns” means no significant difference ( $p > 0.05$ ).