

Supplementary materials

Journal: Applied Microbiology and Biotechnology

Research article title: Conversion of lignin model compounds by *Pseudomonas putida* KT2440 and isolates from compost

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Table S1: 16S rRNA gene sequences of the bacterial isolates detected in this study. Sequences were obtained with the forward and reverse PCR primers 27F and 1492R, and manually assembled into the complete sequences.

Isolate A

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1      ACCTGCAAGT CGAGCGGTAG CACAGAGAGC TTGCTCTCGG GTGACGAGCG GCGGACGGGT
61     GAGTAATGTC TGGGAAACTG CCTGATGGAG GGGGATAACT ACTGGAAACG GTAGCTAATA
121    CCGCATAACG TCGCAAGACC AAAGTGGGGG ACCTTCGGGC CTCATGCCAT CAGATGTGCC
181    CAGATGGGAT TAGCTGGTAG GTGGGGTAAC GGCTCACCTA GGCGACGATC CCTAGCTGGT
241    CTGAGAGGAT GACCAGCCAC ACTGGAAGT AGACACGGTC CAGACTCCTA CGGGAGGCAG
301    CAGTGGGGAA TATTGCACAA TGGGCGCAAG CCTGATGCAG CCATGCCGCG TGTGTGAAGA
361    AGGCCTTCGG GTTGTAAAGC ACTTTCAGCG GGGAGGAAGG CGATGAGGTT AATAACCTTG
421    TCGATTGACG TTACCCGCAG AAGAAGCACC GGCTAACTCC GTGCCAGCAG CCGCGGTAAT
481    ACGGAGGGTG CAAGCGTTAA TCGGAATTAC TGGGCGTAAA GCGCACGCAG GCGGTCTGTC
541    AAGTCGGATG TGAAATCCCC GGGCTCAACC TGGGAACTGC ATTCGAAACT GGCAGGCTAG
601    AGTCTTGTAG AGGGGGGTAG AATTCCAGGT GTAGCGGTGA AATGCGTAGA GATCTGGAGG
661    AATACCGGTG GCGAAGGCGG CCCCTGGAC AAAGACTGAC GCTCAGGTGC GAAAGCGTGG
721    GGAGCAAACA GGATTAGATA CCCTGGTAGT CCACGCTGTA AACGATGTCTG ATTTGGAGGT
781    TGTGCCCTTG AGGCGTGGCT TCCGGAGCTA ACGCGTTAAA TCGACCGCCT GGGGAGTACG
841    GCCGCAAGGT TAAAACTCAA ATGAATTGAC GGGGGCCCGC ACAAGCGGTG GAGCATGTGG
901    TTTAATTCGA TGCAACGCGA AGAACCTTAC CTGGTCTTGA CATCCACAGA ACTTTCAGA
961    GATGGATTGG TGCCTTCGGG AACTGTGAGA CAGGTGCTGC ATGGCTGTCTG TCAGCTCGTG
1021   TTGTGAAATG TTGGGTAAAG TCCCGCAACG AGCGCAACCC TTATCCTTTG TTGCCAGCGG
1081   TTAGGCCGGG AACTCAAAGG AGACTGCCAG TGATAAACTG GAGGAAGGTG GGGATGACGT
1141   CAAGTCATCA TGGCCCTTAC GACCAGGGCT ACACACGTGC TACAATGGCA TATACAAAGA
1201   GAAGCGACCT CGCGAGAGCA AGCGGACCTC ATAAAGTATG TCGTAGTCCG GATTGGAGTC
1261   TGCAACTCGA CTCCATGAAG TCGGAATCGC TAGTAATCGT AGATCAGAAT GCTACGGTGA
1321   ATACGTTCCC GGGCCTTGTA CACACGCCC GTCACACCAT GGGAGTGGGT TGCAAAAGAA
1381   GTAGGTAGCT TAACCTTCGG GAGGGCGCTA CCA

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Isolate B

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1      ACCATGCAAG TCGAGCGGAT GACGGGAGCT TGCTCCTTGA TTCAGCGGCG GACGGGTGAG
61     TAATGCCTAG GAATCTGCCT GGTAGTGGGG GACAACGTTT CGAAAGGAAC GCTAATACCG
121    CATACGTCCT ACGGGAGAAA GCAGGGGACC TTCGGGCCTT GCGCTATCAG ATGAGCCTAG
181    GTCGGATTAG CTAGTTGGTG GGGTAATGGC TCACCAAGGC GACGATCCGT AACTGGTCTG
241    AGAGGATGAT CAGTCACACT GGAAGTGAAG CACGGTCCAG ACTCCTACGG GAGGCAGCAG
301    TGGGGAATAT TGGACAATGG GCGAAAGCCT GATCCAGCCA TGCCGCGTGT GTGAAGAAGG
361    TCTTCGGATT GTAAAGCACT TTAAGTTGGG AGGAAGGGCA GTAAGTTAAT ACCTTGCTGT

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421	TTTGACGTTA	CCGACAGAAT	AAGCACCGGC	TAACTCTGTG	CCAGCAGCCG	CGGTAATACA
481	GAGGGTGCAA	GCGTTAATCG	GAATTACTGG	GCGTAAAGCG	CGCGTAGGTG	GTTTGTTAAG
541	TTGGATGTGA	AAGCCCCGGG	CTCAACCTGG	GAACTGCATC	CAAAACTGGC	AAGCTAGAGT
601	ACGGTAGAGG	GTGGTGGAAT	TTCCTGTGTA	GCGGTGAAAT	GCGTAGATAT	AGGAAGGAAC
661	ACCAGTGGCG	AAGGCGACCA	CCTGGACTGA	TACTGACACT	GAGGTGCGAA	AGCGTGGGGA
721	GCAAACAGGA	TTAGATACCC	TGGTAGTCCA	CGCCGTAAAC	GATGTCAACT	AGCCGTTGGA
781	ATCCTTGAGA	TTTTAGTGGC	GCAGCTAACG	CATTAAGTTG	ACCGCCTGGG	GAGTACGGCC
841	GCAAGGTTAA	AACTCAAATG	AATTGACGGG	GGCCCCGACA	AGCGGTGGAG	CATGTGGTTT
901	AATTCGAAGC	AACGCGAAGA	ACCTTACCAG	GCCTTGACAT	GCAGAGAACT	TTCCAGAGAT
961	GGATTGGTGC	CTTCGGGAAC	TCTGACACAG	GTGCTGCATG	GCTGTCTGCA	GCTCGTGTCTG
1021	TGAGATGTTG	GGTTAAGTCC	CGTAACGAGC	GCAACCCTTG	TCCTTAGTTA	CCAGCACGTT
1081	ATGGTGGGCA	CTCTAAGGAG	ACTGCCGGTG	ACAAACCGGA	GGAAGGTGGG	GATGACGTCA
1141	AGTCATCATG	GCCCTTACGG	CCTGGGCTAC	ACACGTGCTA	CAATGGTCGG	TACAGAGGGT
1201	TGCCAAGCCG	CGAGGTGGAG	CTAATCTCAC	AAAACCGATC	GTAGTCCGGA	TCGCAGTCTG
1261	CAACTCGACT	GCGTGAAGTC	GGAATCGCTA	GTAATCGCGA	ATCAGAATGT	CGCGGTGAAT
1321	ACGTTCCCGG	GCCTTGTTACA	CACCGCCCGT	CACACCATGG	GAGTGGGTTG	CACCAGAAGT
1381	AGCTAGTCTA	ACCTTCGGGA	GGA			

Isolate C

1	ACCATGCAAG	TCGAGCGGAT	GACGGGAGCT	TGCTCCTTGA	TTCAGCGGCG	GACGGGTGAG
61	TAATGCCTAG	GAATCTGCCT	GGTAGTGGGG	GACAACGTTT	CGAAAGGAAC	GCTAATACCG
121	CATACGTCCT	ACGGGAGAAA	GCAGGGGACC	TTCGGGCCTT	GCGCTATCAG	ATGAGCCTAG
181	GTCGGATTAG	CTAGTTGGTG	GGGTAATGGC	TCACCAAGGC	GACGATCCGT	AACTGGTCTG
241	AGAGGATGAT	CAGTCACACT	GGAAGTGAAG	CACGGTCCAG	ACTCCTACGG	GAGGCAGCAG
301	TGGGGAATAT	TGGACAATGG	GCGAAAGCCT	GATCCAGCCA	TGCCGCGTGT	GTGAAGAAGG
361	TCTTCGGATT	GTAAAGCACT	TTAAGTTGGG	AGGAAGGGCA	GTAAGCTAAT	ACCTTGCTGT
421	TTTGACGTTA	CCGACAGAAT	AAGCACCGGC	TAACTCTGTG	CCAGCAGCCG	CGGTAATACA
481	GAGGGTGCAA	GCGTTAATCG	GAATTACTGG	GCGTAAAGCG	CGCGTAGGTG	GTTTCGTTAAG
541	TTGGATGTGA	AAGCCCCGGG	CTCAACCTGG	GAACTGCATC	CAAAACTGGC	GAGCTAGAGT
601	ACGGTAGAGG	GTGGTGGAAT	TTCCTGTGTA	GCGGTGAAAT	GCGTAGATAT	AGGAAGGAAC
661	ACCAGTGGCG	AAGGCGACCA	CCTGGACTGA	TACTGACACT	GAGGTGCGAA	AGCGTGGGGA
721	GCAAACAGGA	TTAGATACCC	TGGTAGTCCA	CGCCGTAAAC	GATGTCAACT	AGCCGTTGGA
781	ATCCTTGAGA	TTTTAGTGGC	GCAGCTAACG	CATTAAGTTG	ACCGCCTGGG	GAGTACGGCC
841	GCAAGGTTAA	AACTCAAATG	AATTGACGGG	GGCCCCGACA	AGCGGTGGAG	CATGTGGTTT
901	AATTCGAAGC	AACGCGAAGA	ACCTTACCAG	GCCTTGACAT	GCAGAGAACT	TTCCAGAGAT
961	GGATTGGTGC	CTTCGGGAAC	TCTGACACAG	GTGCTGCATG	GCTGTCTGCA	GCTCGTGTCTG
1021	TGAGATGTTG	GGTTAAGTCC	CGTAACGAGC	GCAACCCTTG	TCCTTAGTTA	CCAGCACGTT

1081 ATGGTGGGCA CTCTAAGGAG ACTGCCGGTG ACAAACCGGA GGAAGGTGGG GATGACGTCA
 1141 AGTCATCATG GCCCTTACGG CCTGGGCTAC ACACGTGCTA CAATGGTCGG TACAGAGGGT
 1201 TGCCAAGCCG CGAGGTGGAG CTAATCTCAC AAAACCGATC GTAGTCCGGA TCGCAGTCTG
 1261 CAACTCGACT GCGTGAAGTC GGAATCGCTA GTAATCGCGA ATCAGAATGT CGCGGTGAAT
 1321 ACGTTCCCGG GCCTTGTACA CACCGCCCGT CACACCATGG GAGTGGGTTG CACCAGAAGT
 1381 AGCTAGTCTA ACCTTCGGGA GGACGGTACC

Isolate Sigma

1 ATCAGTCACA CTGGAAGTGA GACACGGTCC AGACTCCTAC GGGAGGCAGC AGTGGGGAAT
 61 ATTGGACAAT GGGCGAAAGC CTGATCCAGC CATGCCGCGT GTGTGAAGAA GGTCTTCGGA
 121 TTGTAAAGCA CTTTAAGTTG GGAGGAAGGG CATTAAACCTA ATACGTTAGT GTTTTGACGT
 181 TACCGACAGA ATAAGCACCG GCTAACTTCG TGCCAGCAGC CGCGGTAATA CGAAGGGTGC
 241 AAGCGTTAAT CGGAATTACT GGGCGTAAAG CGCGCGTAGG TGGTTCGTTA AGTTGGATGT
 301 GAAAGCCCCG GGCTCAACCT GGGAACTGCA TCCAAAACCTG GCGAGCTAGA GTACGGTAGA
 361 GGGTGGTGGA ATTTCTGTG TAGCGGTGAA ATGCGTAGAT ATAGGAAGGA ACACCAGTGG
 421 CGAAGGCGAC CACCTGGACT GATACTGACA CTGAGGTGCG AAAGCGTGGG GAGCAAACAG
 481 GATTAGATAC CCTGGTAGTC CACGCCGTAA ACGATGTCAA CTAGCCGTTG GGTTCCTTGA
 541 GAACTTAGTG GCGCAGCTAA CGCATTAAGT TGACCGCCTG GGGAGTACGG CCGCAAGGTT
 601 AAAACTCAAA TGAATTGACG GGGGCCCGCA CAAGCGGTGG AGCATGTGGT TTAATTCGAA
 661 GCAACGCGAA GAACCTTACC TGGCCTTGAC ATGCTGAGAA CTTTCCAGAG ATGGATTGGT
 721 GCCTTCGGGA ACTCAGACAC AGGTGCTGCA TGGCCGTCGT CAGCTCGTGT CGTGAGATGT
 781 TGGGTAAAGT CCCGTAACGA GCGCAACCCT TGTCCCTAGT TACCAGCACG TAATGGTGGG
 841 CACTCTAAGG AGACTGCCGG TGACAAACCG GAGGAAGGTG GGGATGACGT CAAGTCATCA
 901 TGGCCCTTAC GGCCAGGGCT ACACACGTGC TACAATGGTC GGTACAAAGG GTTGCCAAGC
 961 CGCGAGGTGG AGCTAATCCC ATAAAACCGA TCGTAGTCCG GATCGCAGTC TGCAACTCGA
 1021 CTGCGTGAAG TCGGAATCGC TAGTAATCGT GAATCAGAAT GTCACGGTGA ATACGTTCCC
 1081 GGGCCTTGTA CACACGCCC GTCACACCAT GGGAGTGGGT TGCTCCAGAA GTAGCTAGTC
 1141 TAACCTTCGG