**S1 Table. Nucleotide Sequences of putative AHL Synthases from *P. aurantiaca* PB-St2.**

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| *aurI*\_ PciI*\_lac*-promotor: |
|  1 AAAAAAACAT GTTCTTTCCT GCGTTATCCC CTGATTCTGT GGATAACCGT ATTACCGCCT TTGAGTGAGC TGATACCGCT 81 CGCCGCAGCC GAACGACCGA GCGCAGCGAG TCAGTGAGCG AGGAAGCGGA AGAGCGCCCA ATACGCAAAC CGCCTCTCCC 161 CGCGCGTTGG CCGATTCATT AATGCAGCTG GCACGACAGG TTTCCCGACT GGAAAGCGGG CAGTGAGCGC AACGCAATTA 241 ATGTGAGTTA GCTCACTCAT TAGGCACCCC AGGCTTTACA CTTTATGCTT CCGGCTCGTA TGTTGTGTGG AATTGTGAGC *lac*-promotor *lac*-operator 321 GGATAACAAT TTCACACAGG AAACAGCTAT GGAATCCATC GAATTTCACG CGCTTGACTA TAGTGCGACG CCCCACGCCT *aur*I 401 GGGTCGCCGA TCTGCATGGC CTGCGCAAGG AAGTATTCGC CGATCGTTTG AACTGGAAGG TTAATATAAA GAATGACATC 481 GAGTTCGATG AGTACGACAA CGAGCGCACC ACCTACCTGA TCGGTACCTG GAAAGGTGTG CCTCTGGCCG GCCTGCGCCT 561 GATCAACACC CTGGATCCCT ACATGGTCGA AGGGCCGTTC CGCGACTTTT TCCGCTGCGA GCCGCCCAAG CAGGCGTTGA 641 TGGCTGAATC CAGCCGCTTT TTCGTCGACA AGACCCGCTC GCGCCAGCTC GGCCTGGCCC ATCTGCCGCT GACCGAAATG 721 CTCCTGTTGT GTATGCACAA CCATGCCGCG CGCAGCGGCC TGGAATCGAT CATCACGGTG GTCAGCAGCG CCATGGGGCG 801 GATCGTCCGC AACGCCGGCT GGCACTACGA AGTAATGGAC ACCGGCGAGG CCGCGCCGGG AGAAAAGGTG CTGTTGCTGA 881 ACATGCCGAT CAGCGACGCC AATCGTCAGC GCCTGCTGTC CAGCATCGCC CGCAAATGCC CCTTGTCATC CGCGCAGCTC 961 AACCATTGGC CGCAGCGCCT GAACCCGCTC CACACCGCGC TCTGCGAGCC TCAACGGAT**T** AGCGC**A**TGA |
| *csaI*\_PciI\_*lac*-promotor: |
|  1 AAAAAAACAT GTTCTTTCCT GCGTTATCCC CTGATTCTGT GGATAACCGT ATTACCGCCT TTGAGTGAGC TGATACCGCT 81 CGCCGCAGCC GAACGACCGA GCGCAGCGAG TCAGTGAGCG AGGAAGCGGA AGAGCGCCCA ATACGCAAAC CGCCTCTCCC 161 CGCGCGTTGG CCGATTCATT AATGCAGCTG GCACGACAGG TTTCCCGACT GGAAAGCGGG CAGTGAGCGC AACGCAATTA 241 ATGTGAGTTA GCTCACTCAT TAGGCACCCC AGGCTTTACA CTTTATGCTT CCGGCTCGTA TGTTGTGTGG AATTGTGAGC *lac*-promotor *lac*-operator 321 GGATAACAAT TTCACACAGG AAACAGCTAT GATCACTGTG ATTTCACGGC ATGAAAGCCA GCTTTCACCG ACACTGCGCG *csa*I 401 ACGACCTCGG CCGCTATCGC CATGCGGTCT TCATCAAGCA ACTGGGCTGG CGACTGCCCG CCGGCACCCG CCAGTGCGGG 481 CACGAGGTCG ATCAGTTCGA CCATGCCGAC ACCCGCTACA CCCTGGCGCT GGACAGCGAG GACAAGATCC ACGGCTGCGC 561 CCGCTTGCTG CCGACCACCC AGCCCTATCT GCTGGCGGAC GTGTTCGGTT TCCTCTGCGA CCGCCCCTTG CCGCGGCAGC 641 ACGACACCTG GGAAATCTCG CGTTTCGCCG CCTCGGCCCT GGAAAACGGC AAGCTGCCGA TGCGGGTGTT CTGGCACACC 721 CTGCACACCG CCTGGACCCT GGGCGCGAAC TCGGTGGTGG CGGTGACCAC GCCAGCGCTG GAGCGTTATT TCCTGCGCCA 801 TGGCGTGGCG CTGAGCCGGC TCGGCCAGCC GCAACGGGTC AACCGCGACC ACTTGCTGGC CCTGGACTTT CCGGCCTACC 881 AGAAAAACGG CCGCGCCGCG CTTTATACGC AGTCAGCGGC CGTGGCTTCG CTGAATCAGG CATTTCTGCG CGGCAACCCA 961 CCGCCAGCAC GCGGTGGGCC GCCGGCGGGT CAGGCGCTCA GGGAGTAG |
| *hdtS*\_PciI\_*lac*-promotor: |
|  1 AAAAAAACAT GTTCTTTCCT GCGTTATCCC CTGATTCTGT GGATAACCGT ATTACCGCCT TTGAGTGAGC TGATACCGCT 81 CGCCGCAGCC GAACGACCGA GCGCAGCGAG TCAGTGAGCG AGGAAGCGGA AGAGCGCCCA ATACGCAAAC CGCCTCTCCC 161 CGCGCGTTGG CCGATTCATT AATGCAGCTG GCACGACAGG TTTCCCGACT GGAAAGCGGG CAGTGAGCGC AACGCAATTA 241 ATGTGAGTTA GCTCACTCAT TAGGCACCCC AGGCTTTACA CTTTATGCTT CCGGCTCGTA TGTTGTGTGG AATTGTGAGC *lac*-promotor *lac*-operator 321 GGATAACAAT TTCACACAGG AAACAGCTAT GTCGATCCTG CAGGCAATCA GAACCTTCTT CTTTTACCTG CTGCTGGGCA *hdtS* 401 CCAGTTCGTT GCTGTGGTGC TCCCTGAGCT TTTTTATCGC GCCTTTCCTG CCGTTCAAGG CGCGCTATCG CTTTATCAAC 481 GTCTATTGGT GCCGCTGCGC GTTGTGGCTG GCCAAGGTGT TTCTCAAGAT CAACGTGGAA GTGAAGGGCG CGGAAAACGT 561 CCCCGAGCGT CCTTGCGTGA TTGTCTCGAA CCACCAGAGC ACCTGGGAGA CGTTCTTTCT CTCGGCCTAT TTCGAACCGT 641 TGAGCCAGGT GCTCAAGCGT GAACTGCTGT ACGTGCCGTT CTTCGGCTGG GCCATGGCCA TGCTGCGTCC GATCGCCATC 721 GACCGCGACA ACCCCAAGGC CGCGCTCAAG CAGGTCGCCA GCAAGGGCGA CGAGTTGCTC AAGGACAATG TCTGGGTACT 801 GATCTTCCCG GAAGGCACAC GGGTGCCTTA CGGCCAGATG GGCAAGTTCT CCCGCAGCGG CAGCGCCCTG GCGGTCAACG 881 CCGACTTGCC GGTGCTGCCG GTGGCGCACA ATGCCGGCAA ATACTGGCCG AAGACCGGCT GGGTCAGGCA CCCTGGCACC 961 ATCACCGTGG TGATCGGTGC GCCGATGTAC GCCGAAGGCT CCGGACCACG GGCCATCGCC GAGCTCAACG ACCGGGTCGC1041 GGCCTGGAAT GAGCAGGCGC AGCGGGACAT GGGTTCGCTG CCTCCGGTAG CGGCGGCACC GGACAAGATG GCCATCTGA |
| *phzI*\_PciI\_*lac*-promotor: |
|  1 AAAAAAACAT GTTCTTTCCT GCGTTATCCC CTGATTCTGT GGATAACCGT ATTACCGCCT TTGAGTGAGC TGATACCGCT 81 CGCCGCAGCC GAACGACCGA GCGCAGCGAG TCAGTGAGCG AGGAAGCGGA AGAGCGCCCA ATACGCAAAC CGCCTCTCCC 161 CGCGCGTTGG CCGATTCATT AATGCAGCTG GCACGACAGG TTTCCCGACT GGAAAGCGGG CAGTGAGCGC AACGCAATTA 241 ATGTGAGTTA GCTCACTCAT TAGGCACCCC AGGCTTTACA CTTTATGCTT CCGGCTCGTA TGTTGTGTGG AATTGTGAGC *lac*-promotor *lac*-operator 321 GGATAACAAT TTCACACAGG AAACAGCTAT GCACATGGAA GAGCACACAC TGAACGAAAT GAGCGATGAG CTGAAACTCA *phz*I 401 TGCTCGGCCG TTTTCGGCAC GAACAATTCG TCGAGAAACT CGGATGGCGA CTGCCCGCCC ACCCGAGCCA GGCAGGTTGT 481 GAATGGGACC GATACGACAC CGAACACGCC CGTTACCTCC TGGCGTTCAA TGCAGACCGC GCCATCGTTG GCTGCGCCCG 561 GCTGATTCCC ACCACGCTCC CCAACCTGCT TGAAGGGGTG TTCAGCCATG CCTGTGCCGG GACGCCGCCC AAGCATCCAG 641 CCATCTGGGA AATGACTCGC TTCACCACCT GCGAACCGCA ATTGGCGATG CCGTTGTTCT GGAGAAGCCT CAAGACGGCC 721 GCCCAGGCGG GCGCAGAGGC CATTGTCGGG ATCGTCAACA GCACCATGGA GCGCTATTAC AAAATCAATG GCGTCCACTA 801 CGAACGGCTG GGCCCGGTCA CGGTGCACCA GAATGAGAAA ATCCTCGCCA TCAAACTCTC GGCCCACCGC GAGCACCATC 881 GCAGCGCGGT CGCACCGTCA GCCTTCATGT CCGGCACATT ATTGAAAGAG ACAGCTTGA |
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