**Supplemental Data S8:** Alignment of *D. acidovorans* strain SPH-1 and environmental samples

Delftia          AGATGTCCTGGATGTTGGCTGCGCCACCGGGCACCGCCTGCGCAATGCGAGCAATCTCCT 60
Sample\_7-1       ------------------------------------------------------------ 0
Sample\_18-1      ------------------------------------------------------------ 0
Sample\_23-2      ---------------------------------------------ATGCGCGCATCTCCT 15
Sample\_24-1      ------------------------------------------------------------ 0

Delftia          CCTCATCCAGCGCCACCAGGGTCAGCATGTCCGGCGTGATCGCCGTGCAGCCTTCGGGGA 120
Sample\_7-1       -----TCCAGCGCCACCAGGGTCAGCATGTCCGGCGTGATCGCCATGCAGCCTTCGGGGA 55
Sample\_18-1      -------------------------TAGTCCGTGCGTGATCGCCGTGCAGCCTTCGGGGA 35
Sample\_23-2      CCTCATCCAGCGCCACCAGGGTCAGCATGTCCGGCGTGATCGCCGTGCAGCCTTCGGGGA 75
Sample\_24-1      ---------------CCAGGGTCAGCATGTCCGGCGTGATCGCCGTGCAGCCTTCGGGGA 45
                                           \* \* \*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Delftia          TGCCGTTGGGCGGCACATCGATCTCGCCGGCCACCTGCTCCCCTTGGTCCCCCTGCTGCG 180
Sample\_7-1       TGCCGTTGGGCGGCACATCGATCTCGCCGGCCACCTGCGCCCCTTGCTCACCCTGCTGAT 115
Sample\_18-1      TGCCGTTGGGCGGCACATCGATCTCGCCGGCCACCTGCTCCCCTTGCTCACCCTGCTGCT 95
Sample\_23-2      TGCCGTTGGGTGGCACATCGATCTCGCCGGCCACCTGCTCACCCTGCTGCTCCTGCTGTT 135
Sample\_24-1      TGCCGTTGGGTGGCACATCGATCTCGCCGGCCACCTGCTCACCCTGCTGCTCCTGCTGTT 105
                 \*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \* \*\* \*\* \*   \*\*\*\*\*\*\*

Delftia          CCTGCAACACTGCCTGCGCAAACTCCGCCAGCCTCGGGTGCTGGAACAGCGTGCGCACCT 240
Sample\_7-1       CCTGCCGCACCGCCTGCACAAACTCTGCCAACCTCGGGTGCTGGAACAGCTTGAGCACCT 175
Sample\_18-1      CCTGCTGCACCGCCTGCGCAAACTCCGCCAGCCTCGGGTGCTGGAACAGCGTGCGCACCT 155
Sample\_23-2      CCTCCAATACCGCCTGCGCAAACTCCGCCAGCCTCGGATGCTGGAACAGCGTGCGCACCT 195
Sample\_24-1      CCTCCAATACCGCCTGCGCAAACTCCGCCAGCCTCGGATGCTGGAACAGCGTGCGCACCT 165
                 \*\*\* \* \*\* \*\*\*\*\*\* \*\*\*\*\*\*\* \*\*\*\* \*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\* \*\* \*\*\*\*\*\*

Delftia          GCACGCGCAGGCCCTGGGCGCGCACGCGCTCCAGCAGGCCCAGGGCCAGCAGCGAATGCC 300
Sample\_7-1       GGACGCGCAGGCCCCGGGCGCGCAGGCGCTCCACCAGGCCCAGGGCGAGCAGGGAATGCC 235
Sample\_18-1      GCACGCGCAGGCCCTGGGCGCGCACGCGCTCCAGCAGGCCCAGGGCGAGCAGCGAATGCC 215
Sample\_23-2      GCACGCGCAGGCCCTGGGCGCGCACGCGCTCCAGCAGGCCCAGGGCCAGCAGCGAATGCC 255
Sample\_24-1      GCACGCGCAGGCCCTGGGCGCGCACGCGCTCCAGCAGGCCCAGGGCCAGCAGCGAATGCC 225
                 \* \*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\* \*\*\*\*\*\*\*

Delftia          CGCCCAGCTCGAAGAAGCCGTCCTGCCGGCCCACGCGATCCACGCCCAGCACCTCGGCCC 360
Sample\_7-1       CGCCCAGCTCGAACAAGCCGTCCTGCCGGCCCACGCGCTCCACGCCCAGCACCTCGGCCC 295
Sample\_18-1      CGCCCAGCTCGAAGAAGCCGTCCTGCCGGCCCACGCGCTCCACGCCCAGCACCTCGGCCC 275
Sample\_23-2      CGCCCAGATCGAAGAAGCCGTCCTGCCGGCCCACGCGCTCCACGCCCAGCACCTCGGCCC 315
Sample\_24-1      CGCCCAGATCGAAGAAGCCGTCCTGCCGGCCCACGCGCTCCACGCCCAGCACCTCGGCCC 285
                 \*\*\*\*\*\*\* \*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Delftia          AGATCGTCGCCAGCGTTTCCTCCAACTCGCCCTGCGGTGCCTCGTATTGCTGGGCGCTGA 420
Sample\_7-1       ACATCTGCGCCATCGTTTCCTCCAGCTCTCCCTGCGGTGCCTCGTATTGCTGGGAGCTGA 355
Sample\_18-1      AGATCTGCGCCAGCGTTTCCTCCAGTTCTCCCTGCGGTGCCTCGTATTGCTGGGCGCTCA 335
Sample\_23-2      AGATCTGCGCCAGCGTTTCCTCCAACTCGCCCTGCGGTGCCTCATATTGCTGGGCGCTGA 375
Sample\_24-1      AGATCTGCGCCAGCGTTTCCTCCAACTCGCCCTGCGGTGCCTCATATTGCTGGGCGCTGA 345
                 \* \*\*\* \*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*  \*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\* \*\*\* \*

Delftia          TCATCTCCGGCTCGGGCAGCGCCTTGCGGTCCACCTTGCCGTTGGCTGTCAGCGGCAGGG 480
Sample\_7-1       GCATCTCCGGCTCGGGCAGCGCCTTGCGGGCCATCTTGCCGTTGGTGGTCAAAGGCAGGG 415
Sample\_18-1      CCATCTCCGGCTCGGGCAGCGCCTTGCGGTCCACCTTGCCGTTGGCCGTCAAAGGCAGGG 395
Sample\_23-2      CCATCTCCGGCTCGGGCAGCGCCTTGCGGTCCACCTTGCCGTTGGCGGTCAAAGGCAGGG 435
Sample\_24-1      CCATCTCCGGCTCGGGCAGCGCCTTGCGGTCCACCTTGCCGTTGGTGGTCAAAGGCAGGG 405
                  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\* \*\*\*\*\*\*\*\*\*\*\*  \*\*\*\* \*\*\*\*\*\*\*

Delftia          CTTCGAGCACGACGATGGCCGAGGGCACCATGTAGTCGGGCAGCGCCTGGCCCAGGCGCT 540
Sample\_7-1       CGTCGAGGACGACGATGGCCAAGGGCACCATGTAGTCCGGGAGCACCTGGACCAGTCGTC 475
Sample\_18-1      CATCGAGCACGACGATGGCCGAGGGCACCATGTAGTCGGGCAGTACCTGGCCCAGCCGGT 455
Sample\_23-2      CATCGAGCACGACGATGGCCGAGGGCACCATGTAGTCGGGCAGTATCTCGCCCAGCCGGT 495
Sample\_24-1      CATCGAGCACGACGATGGCCGAGAGCACCATGTAGTCGGGCAGTATCTCGCCCAGCCGGT 465
                 \* \*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\* \*\* \*\*\*\*\*\*\*\*\*\*\*\*\* \*\* \*\*   \*\* \* \*\*\*\* \*\*

Delftia          GCTTGAGCTGGCTTTCCTCCACCGCGTCACGCAGGGAGACATAGGCGATCAGCCTTGC-- 598
Sample\_7-1       CCTTGAGCTGACCCTCTGCGATTTCTGCATTCAGCGACACATAGGCGATCAATCTGATAA 535
Sample\_18-1      CCTTGAGCTGACTGTCTTCGATTTCTGCATTCAGCGACACATAGGCGATAAGTCTGACAC 515
Sample\_23-2      CCTTGAGCAGACCCTCTGCGATTTCTGCATTCAGCGACACATAGGCGATCAGTCTGGCAC 555
Sample\_24-1      CCTTGAGCAGACCCTCTGCGATTTCTGCATTCAGCGACACATAGGCGATCAGTCTGGCAC 525
                  \*\*\*\*\*\*\* \* \* \*\* \* \*   \* \*\* \*\*\* \*\* \*\*\*\*\*\*\*\*\*\*\* \*  \*\*

Delftia          -------ACCCTCCTTGGCCAGCACCACCGCCTCACGCAC-TTCAGGCTGGGCCAGCAGC 650
Sample\_7-1       CGCCCGCGCCCTCCTTGGCCAGCACCACTGCCTCGCGCACCTTCGGGCTGGGCCAGCAGT 595
Sample\_18-1      CGCCTGCGCCCTCCTTGGCCAGCACCACCGCCTCACGCACC-TCGGGCTGGGCCAGCAGC 574
Sample\_23-2      CGCCCGCCCCCTCCTTGGCCAGCACCACCGCCTCACGCACT-TCAAGCTGGGCCAGCAGC 614
Sample\_24-1      CGCCCGCCCCCTCCTTGGCCAGCACCACCGCCTCACGCACT-TCAGGCTGGGCCAGCAGT 584
                         \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\* \*\*\*\*\*  \*\* \*\*\*\*\*\*\*\*\*\*\*\*\*

Delftia          TGCGACTGCACCTCGCCCAGTTCGATGCGGAAGCCCCGGATCTTGACCTGCTGGTCGGCA 710
Sample\_7-1       TGCGACTGCACCTCGCCCAGCTCGATGCGGAAGCCCCGGATCTTGACCTGCTGGTCGGCA 655
Sample\_18-1      TGCGACTGCACCTCGCCCAGCTCGATGCGGAAGCCCCGGATCTTGACCTGCTGGTCGG-- 632
Sample\_23-2      TGCGACTGCACCTCGCCCAGCTCGATGCGGAAGCCCCGGATCTTGACCTGCTGGTCGGCA 674
Sample\_24-1      TGCGACTGCACCTCGCCCAGCTCGATGCGGAAGCCCCGGATCTTGACCTGCTGGTCGGCA 644
                 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Delftia          CGACCCAGGTATTCGAGTTCGCCCTGTGCACTCCAGCGCACCAGATCGCCCGTGCGGTAC 770
Sample\_7-1       CGGCCCAG-TATTCGAGTTCGCCCTGAGCGTTCCAGCGCACCAAGTCGCCCGTGCGGTAC 714
Sample\_18-1      ------------------------------------------------------------ 632
Sample\_23-2      CGGTCCAG-TATTCCAGTTCGCCCTGAGCGTTCCAGCGCACCAGATCGCCCGTGCGGTAC 733
Sample\_24-1      CGGCCCAGGTATTCGAGTTCGCCCTGAGCGTTCCAGCGCACCAGATC------------- 691

Delftia          AGGCGATCGCCTGCCTGTGTGAAGGGATTGGCGATAAAGCGCTCGGCGCTCAGGCCAGCG 830
Sample\_7-1       A----------------------------------------------------------- 715
Sample\_18-1      ------------------------------------------------------------ 632
Sample\_23-2      AGACGCTCGCC------------------------------------------------- 744
Sample\_24-1      ------------------------------------------------------------ 691

Delftia          CGATTCAGGTAGCCGCGTGCCAGTCCTTCGCCCGCCACGTACAGCTCCCCGGCCACGCCC 890
Sample\_7-1       ------------------------------------------------------------ 715
Sample\_18-1      ------------------------------------------------------------ 632
Sample\_23-2      ------------------------------------------------------------ 744
Sample\_24-1      ------------------------------------------------------------ 691

Delftia          TGCGGCAGCAGGTTCAGGCTGCCATCGAGCACGTACAGGCCCAGGTCCGGAATAGCCACG 950
Sample\_7-1       ------------------------------------------------------------ 715
Sample\_18-1      ------------------------------------------------------------ 632
Sample\_23-2      ------------------------------------------------------------ 744
Sample\_24-1      ------------------------------------------------------------ 691

Delftia          CCAACGGGGCTGCGGCCACCATCCAAATCCGCCTTGGTGATCTGACGGTACGTCACATGC 1010
Sample\_7-1       ------------------------------------------------------------ 715
Sample\_18-1      ------------------------------------------------------------ 632
Sample\_23-2      ------------------------------------------------------------ 744
Sample\_24-1      ------------------------------------------------------------ 691

Delftia          ACCGTGGTCTCGGTGATGCCGTACATGTTGATGAG 1045
Sample\_7-1       ----------------------------------- 715
Sample\_18-1      ----------------------------------- 632
Sample\_23-2      ----------------------------------- 744
Sample\_24-1      ----------------------------------- 691