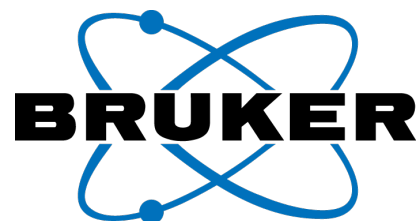


Bruker MALDI Biotyper Identification Results



Run Info:

Run Identifier: 210105-0836-1015
Comment:
Operator: maldi@FLEX-PC
Run Creation Date/Time: 2021-01-05T08:42:09.867
Number of Tests: 9
Type: Standard
BTS-QC: not present
BTS-QC Position:
Instrument ID: 269944.01064
Server Version: 4.1.100 (PYTH) 174 2019-06-158_01-16-09

Result Overview

Sample Name	Sample ID	Organism (best match)	Score Value	Organism (second-best match)	Score Value
A7 (+++)(A)	A 02 (Standard)	Klebsiella pneumoniae	2.39	Klebsiella pneumoniae	2.38
A8 (+++)(A)	A 38 (Standard)	Enterobacter cloacae	2.38	Enterobacter cloacae	2.23
A9 (+++)(A)	A 39 (Standard)	Klebsiella pneumoniae	2.38	Klebsiella pneumoniae	2.37
A10 (+++)(A)	A 46 (Standard)	Klebsiella pneumoniae	2.46	Klebsiella pneumoniae	2.44
A11 (+++)(A)	A 48 (Standard)	Klebsiella pneumoniae	2.47	Klebsiella pneumoniae	2.47
A12 (+++)(A)	A 75 (Standard)	Klebsiella pneumoniae	2.36	Klebsiella pneumoniae	2.27
B1 (+++)(A)	C 22950 SEMA (Standard)	Serratia marcescens	2.16	Serratia marcescens	2.11

Result overview table--continued on next page

<i>Result overview table--continued from previous page</i>					
Sample Name	Sample ID	Organism (best match)	Score Value	Organism (second-best match)	Score Value
B2 (+++)(A)	C 22953 KLVA (Standard)	Stenotrophomonas maltophilia	2.29	Stenotrophomonas maltophilia	2.23
B3 (+++)(A)	C 22953 BUMU (Standard)	Burkholderia multivorans	2.22	Burkholderia multivorans	2.16

Matching Hints

Matched Pattern	Comment
Burkholderia anthina LMG 16670 HAM	is a member of Burkholderia cepacia complex
Burkholderia cenocepacia LMG 12614 HAM	is a member of Burkholderia cepacia complex
Burkholderia dolosa DSM 16088T DSM	is a member of Burkholderia cepacia complex
Burkholderia multivorans DSM 13243T DSM	is a member of Burkholderia cepacia complex
Burkholderia multivorans LMG 14293 HAM	is a member of Burkholderia cepacia complex
Burkholderia multivorans VA40328_07 ERL	is a member of Burkholderia cepacia complex
Burkholderia multivorans VA40721a_08 ERL	is a member of Burkholderia cepacia complex
Burkholderia multivorans VA40721b_08 ERL	is a member of Burkholderia cepacia complex
Burkholderia vietnamiensis LMG 10929T HAM	is a member of Burkholderia cepacia complex
Enterobacter bugandensis DSM 101087 DSM	is a member of Enterobacter cloacae complex
Enterobacter bugandensis DSM 101090 DSM	is a member of Enterobacter cloacae complex
Enterobacter cloacae 13159_1 CHB	is a member of Enterobacter cloacae complex
Enterobacter cloacae DSM 30060 DSM	is a member of Enterobacter cloacae complex
Enterobacter cloacae DSM 30062 DSM	is a member of Enterobacter cloacae complex
Enterobacter cloacae MB11506_1 CHB	is a member of Enterobacter cloacae complex
Enterobacter cloacae MB_5277_05 THL	is a member of Enterobacter cloacae complex
<i>Matching Hints table--continued on next page</i>	

<i>Matching Hints table--continued from previous page</i>	
Matched Pattern	Comment
Enterobacter hormaechei ssp hormaechei DSM 12409T DSM	is a member of Enterobacter cloacae complex
Enterobacter xiangfangensis DSM 101093T DSM	is a member of Enterobacter cloacae complex
Enterobacter xiangfangensis DSM 46348 DSM	is a member of Enterobacter cloacae complex
Klebsiella pneumoniae 37585 PFM	closely related to Klebsiella variicola
Klebsiella pneumoniae 37595 PFM	closely related to Klebsiella variicola
Klebsiella pneumoniae RV_BA_03_B LBK	closely related to Klebsiella variicola
Klebsiella pneumoniae ssp ozaenae DSM 16358T DSM	closely related to Klebsiella variicola
Klebsiella pneumoniae ssp ozaenae DSM 16358T HAM	closely related to Klebsiella variicola
Klebsiella pneumoniae ssp pneumoniae 9295_1 CHB	closely related to Klebsiella variicola
Klebsiella pneumoniae ssp pneumoniae DSM 30104T HAM	closely related to Klebsiella variicola
Klebsiella pneumoniae ssp pneumoniae DSM 30104T_QC DSM	closely related to Klebsiella variicola
Klebsiella pneumoniae ssp rhinoscleromatis DSM 16231T HAM	closely related to Klebsiella variicola
Klebsiella variicola 150416_01 BRUS	closely related to Klebsiella pneumoniae
Klebsiella variicola 150519_03 SAH	closely related to Klebsiella pneumoniae
Klebsiella variicola CC_2053 MCW	closely related to Klebsiella pneumoniae
<i>Matching Hints table--continued on next page</i>	

<i>Matching Hints table--continued from previous page</i>	
Matched Pattern	Comment
Klebsiella variicola DSM 15968T DSM	closely related to Klebsiella pneumoniae
Serratia ficaria 17271986_1 MVD	For the species ficaria / vespertilionis of the genus Serratia the 16S rRNA gene sequences are very similar. Therefore distinguishing the mentioned species is difficult.
Serratia ficaria DSM 4569T DSM	For the species ficaria / vespertilionis of the genus Serratia the 16S rRNA gene sequences are very similar. Therefore distinguishing the mentioned species is difficult.
Serratia marcescens (PX) 24086109 MLD	Species marcescens / ureilytica of the genus Serratia have very similar patterns: Therefore distinguishing their species is difficult.
Serratia marcescens 13103_1 CHB	Species marcescens / ureilytica of the genus Serratia have very similar patterns: Therefore distinguishing their species is difficult.
Serratia marcescens DSM 12481 DSM	Species marcescens / ureilytica of the genus Serratia have very similar patterns: Therefore distinguishing their species is difficult.
Serratia marcescens DSM 12485 DSM	Species marcescens / ureilytica of the genus Serratia have very similar patterns: Therefore distinguishing their species is difficult.
Serratia marcescens DSM 30122 DSM	Species marcescens / ureilytica of the genus Serratia have very similar patterns: Therefore distinguishing their species is difficult.
Serratia marcescens ssp marcescens DSM 30121T DSM	Species marcescens / ureilytica of the genus Serratia have very similar patterns: Therefore distinguishing their species is difficult.
Serratia marcescens ssp sakuensis CIP 107489T HAM	Species marcescens / ureilytica of the genus Serratia have very similar patterns: Therefore distinguishing their species is difficult.
Serratia ureilytica DSM 16952T DSM	Species marcescens / ureilytica of the genus Serratia have very similar patterns: Therefore distinguishing their species is difficult.
Stenotrophomonas maltophilia (PX) 23086229 MLD	is a member of Stenotrophomonas maltophilia group or closely related
Stenotrophomonas maltophilia (Pseudomonas geniculata) LMG 2195T HAM	is a member of Stenotrophomonas maltophilia group or closely related
Stenotrophomonas maltophilia (Pseudomonas hibiscicola) LMG 980T HAM	is a member of Stenotrophomonas maltophilia group or closely related
Stenotrophomonas maltophilia 10942 CHB	is a member of Stenotrophomonas maltophilia group or closely related
<i>Matching Hints table--continued on next page</i>	

<i>Matching Hints table--continued from previous page</i>	
Matched Pattern	Comment
Stenotrophomonas maltophilia DSM 14322 DSM	is a member of Stenotrophomonas maltophilia group or closely related
Stenotrophomonas maltophilia DSM 21874 DSM	is a member of Stenotrophomonas maltophilia group or closely related
Stenotrophomonas maltophilia DSM 50170T BRB	is a member of Stenotrophomonas maltophilia group or closely related
Stenotrophomonas maltophilia DSM 50170T DSM	is a member of Stenotrophomonas maltophilia group or closely related
Stenotrophomonas maltophilia DSM 50173 DSM	is a member of Stenotrophomonas maltophilia group or closely related

Meaning of Score Values

Range	Interpretation	Symbols	Color
2.00 - 3.00	High-confidence identification	(+++)	green
1.70 - 1.99	Low-confidence identification	(+)	yellow
0.00 - 1.69	No Organism Identification Possible	(-)	red

Meaning of Consistency Categories (A - C)

Category	Interpretation
(A)	High consistency: The best match is a high-confidence identification. The second-best match is (1) a high-confidence identification in which the species is identical to the best match, (2) a low-confidence identification in which the species or genus is identical to the best match, or (3) a non-identification.
(B)	Low consistency: The requirements for high consistency are not met. The best match is a high- or low-confidence identification. The second-best match is (1) a high- or low-confidence identification in which the genus is identical to the best match or (2) a non-identification.
(C)	No consistency: The requirements for high or low consistency are not met.

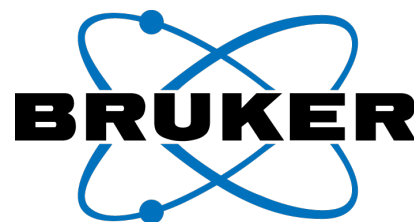
Sample 1



Sample Name: A7
Sample Description:
Sample ID: A 02
Sample Creation Date/Time: 2021-01-05T08:38:15.024
Sample Type: Standard
Identification Method: MALDI Biotyper MSP Identification Standard Method 1.1
Preprocessing Method: MALDI Biotyper Preprocessing Standard Method 1.1
ACQ Method: D:\Methods\flexControlMethods\MBT_FC.par
AutoXecute Method: MBT_AutoX
Consistency Category (based on 2 best matches): A
Applied Taxonomy Tree: Bruker Taxonomy

Rank (Quality)	Matched Pattern	Score Value	NCBI Identifier
1 (+++)	Klebsiella pneumoniae ssp pneumoniae 9295_1 CHB	2.39	72407
2 (+++)	Klebsiella pneumoniae ssp pneumoniae DSM 30104T QC DSM	2.38	72407
3 (+++)	Klebsiella pneumoniae RV_BA_03_B LBK	2.33	573
4 (+++)	Klebsiella pneumoniae ssp ozaenae DSM 16358T DSM	2.25	574
5 (+++)	Klebsiella pneumoniae 37585 PFM	2.23	573
6 (+++)	Klebsiella pneumoniae ssp ozaenae DSM 16358T HAM	2.22	574
7 (+++)	Klebsiella pneumoniae ssp pneumoniae DSM 30104T HAM	2.19	72407
8 (+++)	Klebsiella pneumoniae 37595 PFM	2.07	573
9 (+++)	Klebsiella pneumoniae ssp rhinoscleromatis DSM 16231T HAM	2.05	39831
10 (+++)	Klebsiella variicola CC_2053 MCW	2.04	244366

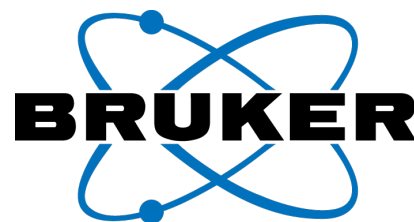
Sample 2



Sample Name: A8
Sample Description:
Sample ID: A 38
Sample Creation Date/Time: 2021-01-05T08:38:15.025
Sample Type: Standard
Identification Method: MALDI Biotyper MSP Identification Standard Method 1.1
Preprocessing Method: MALDI Biotyper Preprocessing Standard Method 1.1
ACQ Method: D:\Methods\flexControlMethods\MBT_FC.par
AutoXecute Method: MBT_AutoX
Consistency Category (based on 2 best matches): A
Applied Taxonomy Tree: Bruker Taxonomy

Rank (Quality)	Matched Pattern	Score Value	NCBI Identifier
1 (+++)	Enterobacter cloacae 13159_1 CHB	2.38	550
2 (+++)	Enterobacter cloacae MB11506_1 CHB	2.23	550
3 (+++)	Enterobacter xiangfangensis DSM 101093T DSM	2.23	547
4 (+++)	Enterobacter xiangfangensis DSM 46348 DSM	2.17	547
5 (+++)	Enterobacter hormaechei ssp hormaechei DSM 12409T DSM	2.04	301105
6 (+++)	Enterobacter bugandensis DSM 101087 DSM	2.01	547
7 (+++)	Enterobacter cloacae DSM 30062 DSM	2.00	550
8 (+++)	Enterobacter cloacae DSM 30060 DSM	2.00	550
9 (+++)	Enterobacter cloacae MB_5277_05 THL	2.00	550
10 (+)	Enterobacter bugandensis DSM 101090 DSM	1.98	547

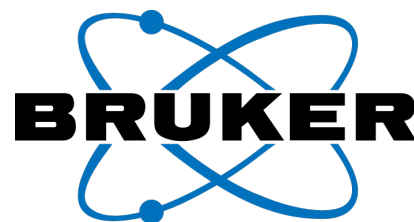
Sample 3



Sample Name: A9
Sample Description:
Sample ID: A 39
Sample Creation Date/Time: 2021-01-05T08:38:15.025
Sample Type: Standard
Identification Method: MALDI Biotyper MSP Identification Standard Method 1.1
Preprocessing Method: MALDI Biotyper Preprocessing Standard Method 1.1
ACQ Method: D:\Methods\flexControlMethods\MBT_FC.par
AutoXecute Method: MBT_AutoX
Consistency Category (based on 2 best matches): A
Applied Taxonomy Tree: Bruker Taxonomy

Rank (Quality)	Matched Pattern	Score Value	NCBI Identifier
1 (+++)	Klebsiella pneumoniae ssp ozaenae DSM 16358T HAM	2.38	574
2 (+++)	Klebsiella pneumoniae ssp pneumoniae DSM 30104T QC DSM	2.37	72407
3 (+++)	Klebsiella pneumoniae ssp ozaenae DSM 16358T DSM	2.33	574
4 (+++)	Klebsiella pneumoniae ssp pneumoniae 9295_1 CHB	2.33	72407
5 (+++)	Klebsiella pneumoniae ssp pneumoniae DSM 30104T HAM	2.29	72407
6 (+++)	Klebsiella pneumoniae RV_BA_03_B_LBK	2.28	573
7 (+++)	Klebsiella pneumoniae 37585 PFM	2.28	573
8 (+++)	Klebsiella variicola 150416_01 BRUS	2.19	244366
9 (+++)	Klebsiella pneumoniae 37595 PFM	2.18	573
10 (+++)	Klebsiella variicola 150519_03 SAH	2.06	244366

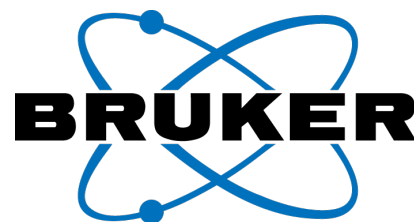
Sample 4



Sample Name: A10
Sample Description:
Sample ID: A 46
Sample Creation Date/Time: 2021-01-05T08:38:15.026
Sample Type: Standard
Identification Method: MALDI Biotyper MSP Identification Standard Method 1.1
Preprocessing Method: MALDI Biotyper Preprocessing Standard Method 1.1
ACQ Method: D:\Methods\flexControlMethods\MBT_FC.par
AutoXecute Method: MBT_AutoX
Consistency Category (based on 2 best matches): A
Applied Taxonomy Tree: Bruker Taxonomy

Rank (Quality)	Matched Pattern	Score Value	NCBI Identifier
1 (+++)	Klebsiella pneumoniae ssp pneumoniae DSM 30104T QC DSM	2.46	72407
2 (+++)	Klebsiella pneumoniae ssp pneumoniae 9295 1 CHB	2.44	72407
3 (+++)	Klebsiella pneumoniae ssp ozaenae DSM 16358T DSM	2.43	574
4 (+++)	Klebsiella pneumoniae RV_BA_03_B LBK	2.42	573
5 (+++)	Klebsiella pneumoniae 37585 PFM	2.39	573
6 (+++)	Klebsiella pneumoniae ssp ozaenae DSM 16358T HAM	2.34	574
7 (+++)	Klebsiella pneumoniae ssp pneumoniae DSM 30104T HAM	2.30	72407
8 (+++)	Klebsiella pneumoniae 37595 PFM	2.26	573
9 (+++)	Klebsiella variicola CC_2053 MCW	2.18	244366
10 (+++)	Klebsiella variicola 150416_01 BRUS	2.17	244366

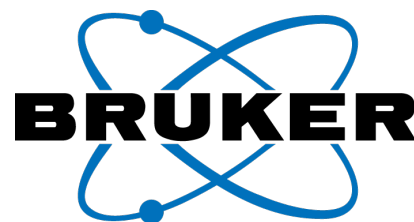
Sample 5



Sample Name: A11
Sample Description:
Sample ID: A 48
Sample Creation Date/Time: 2021-01-05T08:38:15.026
Sample Type: Standard
Identification Method: MALDI Biotyper MSP Identification Standard Method 1.1
Preprocessing Method: MALDI Biotyper Preprocessing Standard Method 1.1
ACQ Method: D:\Methods\flexControlMethods\MBT_FC.par
AutoXecute Method: MBT_AutoX
Consistency Category (based on 2 best matches): A
Applied Taxonomy Tree: Bruker Taxonomy

Rank (Quality)	Matched Pattern	Score Value	NCBI Identifier
1 (+++)	Klebsiella pneumoniae ssp pneumoniae DSM 30104T QC DSM	2.47	72407
2 (+++)	Klebsiella pneumoniae ssp pneumoniae 9295 1 CHB	2.47	72407
3 (+++)	Klebsiella pneumoniae 37585 PFM	2.42	573
4 (+++)	Klebsiella pneumoniae ssp ozaenae DSM 16358T DSM	2.40	574
5 (+++)	Klebsiella pneumoniae ssp pneumoniae DSM 30104T HAM	2.39	72407
6 (+++)	Klebsiella pneumoniae ssp ozaenae DSM 16358T HAM	2.38	574
7 (+++)	Klebsiella pneumoniae RV_BA_03_B_LBK	2.37	573
8 (+++)	Klebsiella pneumoniae 37595 PFM	2.21	573
9 (+++)	Klebsiella variicola 150519_03 SAH	2.20	244366
10 (+++)	Klebsiella variicola CC_2053 MCW	2.19	244366

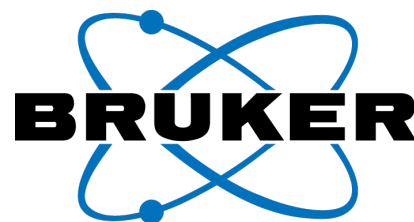
Sample 6



Sample Name: A12
Sample Description:
Sample ID: A 75
Sample Creation Date/Time: 2021-01-05T08:38:15.027
Sample Type: Standard
Identification Method: MALDI Biotyper MSP Identification Standard Method 1.1
Preprocessing Method: MALDI Biotyper Preprocessing Standard Method 1.1
ACQ Method: D:\Methods\flexControlMethods\MBT_FC.par
AutoXecute Method: MBT_AutoX
Consistency Category (based on 2 best matches): A
Applied Taxonomy Tree: Bruker Taxonomy

Rank (Quality)	Matched Pattern	Score Value	NCBI Identifier
1 (+++)	Klebsiella pneumoniae ssp ozaenae DSM 16358T DSM	2.36	574
2 (+++)	Klebsiella pneumoniae ssp pneumoniae DSM 30104T QC DSM	2.27	72407
3 (+++)	Klebsiella pneumoniae ssp pneumoniae 9295_1 CHB	2.26	72407
4 (+++)	Klebsiella pneumoniae 37585 PFM	2.24	573
5 (+++)	Klebsiella pneumoniae 37595 PFM	2.12	573
6 (+++)	Klebsiella pneumoniae RV_BA_03_B_LBK	2.10	573
7 (+++)	Klebsiella variicola 150416_01 BRUS	2.09	244366
8 (+++)	Klebsiella pneumoniae ssp ozaenae DSM 16358T HAM	2.09	574
9 (+++)	Klebsiella pneumoniae ssp pneumoniae DSM 30104T HAM	2.06	72407
10 (+)	Klebsiella variicola DSM 15968T DSM	1.99	244366

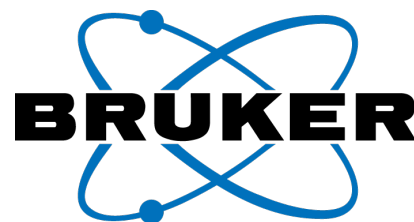
Sample 7



Sample Name: B1
Sample Description:
Sample ID: C 22950 SEMA
Sample Creation Date/Time: 2021-01-05T08:38:15.027
Sample Type: Standard
Identification Method: MALDI Biotyper MSP Identification Standard Method 1.1
Preprocessing Method: MALDI Biotyper Preprocessing Standard Method 1.1
ACQ Method: D:\Methods\flexControlMethods\MBT_FC.par
AutoExecute Method: MBT_AutoX
Consistency Category (based on 2 best matches): A
Applied Taxonomy Tree: Bruker Taxonomy

Rank (Quality)	Matched Pattern	Score Value	NCBI Identifier
1 (+++)	Serratia marcescens 13103_1 CHB	2.16	615
2 (+++)	Serratia marcescens ssp marcescens DSM 30121T DSM	2.11	211759
3 (+++)	Serratia ureilytica DSM 16952T DSM	2.01	300181
4 (+++)	Serratia marcescens DSM 30122 DSM	2.00	615
5 (+)	Serratia marcescens (PX) 24086109 MLD	1.98	615
6 (+)	Serratia marcescens DSM 12481 DSM	1.94	615
7 (+)	Serratia marcescens ssp sakuensis CIP 107489T HAM	1.94	211760
8 (+)	Serratia ficaria 17271986_1 MVD	1.92	61651
9 (+)	Serratia marcescens DSM 12485 DSM	1.84	615
10 (+)	Serratia ficaria DSM 4569T DSM	1.73	61651

Sample 8



Sample Name: B2
Sample Description:
Sample ID: C 22953 KLVA
Sample Creation Date/Time: 2021-01-05T08:38:15.028
Sample Type: Standard
Identification Method: MALDI Biotyper MSP Identification Standard Method 1.1
Preprocessing Method: MALDI Biotyper Preprocessing Standard Method 1.1
ACQ Method: D:\Methods\flexControlMethods\MBT_FC.par
AutoXecute Method: MBT_AutoX
Consistency Category (based on 2 best matches): A
Applied Taxonomy Tree: Bruker Taxonomy

Rank (Quality)	Matched Pattern	Score Value	NCBI Identifier
1 (+++)	Stenotrophomonas maltophilia (PX) 23086229 MLD	2.29	40324
2 (+++)	Stenotrophomonas maltophilia DSM 50170T DSM	2.23	40324
3 (+++)	Stenotrophomonas maltophilia DSM 50170T BRB	2.17	40324
4 (+++)	Stenotrophomonas maltophilia (Pseudomonas hibiscicola) LMG 980T HAM	2.01	40324
5 (+)	Stenotrophomonas maltophilia DSM 50173 DSM	1.87	40324
6 (+)	Stenotrophomonas maltophilia (Pseudomonas geniculata) LMG 2195T HAM	1.84	40324
7 (+)	Stenotrophomonas maltophilia DSM 21874 DSM	1.82	40324
8 (+)	Stenotrophomonas nitritireducens DSM 12575T HAM	1.81	83617
9 (+)	Stenotrophomonas maltophilia 10942 CHB	1.80	40324
10 (+)	Stenotrophomonas maltophilia DSM 14322 DSM	1.78	40324

Sample 9



Sample Name: B3
Sample Description:
Sample ID: C 22953 BUMU
Sample Creation Date/Time: 2021-01-05T08:38:15.029
Sample Type: Standard
Identification Method: MALDI Biotyper MSP Identification Standard Method 1.1
Preprocessing Method: MALDI Biotyper Preprocessing Standard Method 1.1
ACQ Method: D:\Methods\flexControlMethods\MBT_FC.par
AutoExecute Method: MBT_AutoX
Consistency Category (based on 2 best matches): A
Applied Taxonomy Tree: Bruker Taxonomy

Rank (Quality)	Matched Pattern	Score Value	NCBI Identifier
1 (+++)	Burkholderia multivorans LMG 14293 HAM	2.22	87883
2 (+++)	Burkholderia multivorans VA40328_07 ERL	2.16	87883
3 (+++)	Burkholderia multivorans DSM 13243T DSM	2.08	87883
4 (+++)	Burkholderia multivorans VA40721a_08 ERL	2.01	87883
5 (+)	Burkholderia multivorans VA40721b_08 ERL	1.98	87883
6 (-)	Burkholderia dolosa DSM 16088T DSM	1.69	152500
7 (-)	Burkholderia plantarii DSM 9509T HAM	1.69	41899
8 (-)	Burkholderia vietnamiensis LMG 10929T HAM	1.62	60552
9 (-)	Burkholderia cenocepacia LMG 12614 HAM	1.62	95486
10 (-)	Burkholderia anthina LMG 16670 HAM	1.56	179879