Supporting information

Classification of environmental strains from order to genus levels using lipid and protein MALDI-ToF fingerprintings and chemotaxonomic network analysis

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TABLE S1. SUMMARY TABLE OF STUDIED BACTERIAL STRAINS (RKI)

Names	**Order**	**Genus**
Achromobacter_xylosoxidans_HST_107_01	Burkholderiales	*Achromobacter*
Achromobacter_xylosoxidans_HST_107_02	Burkholderiales	*Achromobacter*
Achromobacter_xylosoxidans_HST_115_01	Burkholderiales	*Achromobacter*
Achromobacter_xylosoxidans_HST_115_02	Burkholderiales	*Achromobacter*
Acinetobacter_baumannii_DSM_24110_01	Pseudomonadales	*Acinetobacter*
Acinetobacter_baumannii_DSM_24110_02	Pseudomonadales	*Acinetobacter*
Acinetobacter_baumannii_DSM_24110_03	Pseudomonadales	*Acinetobacter*
Acinetobacter_baumannii_DSM_24110_04	Pseudomonadales	*Acinetobacter*
Aeromonas_hydrophila_subsp_hydrophila_DSM_30187_01	Aeromonadales	*Aeromonas*
Aeromonas_hydrophila_subsp_hydrophila_DSM_30187_02	Aeromonadales	*Aeromonas*
Aeromonas_hydrophila_subsp_hydrophila_DSM_30187_03	Aeromonadales	*Aeromonas*
Aeromonas_hydrophila_subsp_hydrophila_DSM_30187_04	Aeromonadales	*Aeromonas*
Bacillus_alveayuensis_DSM_19092_01	Bacillales	*Bacillus*
Bacillus_alveayuensis_DSM_19092_02	Bacillales	*Bacillus*
Bacillus_alveayuensis_DSM_19092_03	Bacillales	*Bacillus*
Bacillus_alveayuensis_DSM_19092_04	Bacillales	*Bacillus*
Bacillus_aminovorans_DSM_4337_01	Bacillales	*Bacillus*
Bacillus_aminovorans_DSM_4337_02	Bacillales	*Bacillus*
Bacillus_aminovorans_DSM_4337_03	Bacillales	*Bacillus*
Bacillus_aminovorans_DSM_4337_04	Bacillales	*Bacillus*
Bacillus_amyloliquefaciens_ssp_amyloliquefaciens_DSM_7_01	Bacillales	*Bacillus*
Bacillus_amyloliquefaciens_ssp_amyloliquefaciens_DSM_7_02	Bacillales	*Bacillus*
Bacillus_amyloliquefaciens_ssp_amyloliquefaciens_DSM_7_03	Bacillales	*Bacillus*
Bacillus_amyloliquefaciens_ssp_amyloliquefaciens_DSM_7_04	Bacillales	*Bacillus*
Bacillus_anthracis_A1_01	Bacillales	*Bacillus*
Bacillus_anthracis_A1_02	Bacillales	*Bacillus*
Bacillus_anthracis_A1_03	Bacillales	*Bacillus*
Bacillus_anthracis_A1_04	Bacillales	*Bacillus*

Bacillus_atrophaeus_7264_01	Bacillales	*Bacillus*
Bacillus_atrophaeus_7264_02	Bacillales	*Bacillus*
Bacillus_atrophaeus_7264_03	Bacillales	*Bacillus*
Bacillus_atrophaeus_7264_04	Bacillales	*Bacillus*
Bacillus_bataviensis_DSM_15601_01	Bacillales	*Bacillus*
Bacillus_bataviensis_DSM_15601_02	Bacillales	*Bacillus*
Bacillus_bataviensis_DSM_15601_03	Bacillales	*Bacillus*
Bacillus_bataviensis_DSM_15601_04	Bacillales	*Bacillus*
Bacillus_clarkii_DSM_9725_01	Bacillales	*Bacillus*
Bacillus_clarkii_DSM_9725_02	Bacillales	*Bacillus*
Bacillus_clarkii_DSM_9725_03	Bacillales	*Bacillus*
Bacillus_clarkii_DSM_9725_04	Bacillales	*Bacillus*
Bacillus_clausii_DSM_8716_01	Bacillales	*Bacillus*
Bacillus_clausii_DSM_8716_02	Bacillales	*Bacillus*
Bacillus_clausii_DSM_8716_03	Bacillales	*Bacillus*
Bacillus_clausii_DSM_8716_04	Bacillales	*Bacillus*
Bacillus_coagulans_DSM_1_01	Bacillales	*Bacillus*
Bacillus_coagulans_DSM_1_02	Bacillales	*Bacillus*
Bacillus_coagulans_DSM_1_03	Bacillales	*Bacillus*
Bacillus_coagulans_DSM_1_04	Bacillales	*Bacillus*
Bacillus_cohnii_DSM_6350_01	Bacillales	*Bacillus*
Bacillus_cohnii_DSM_6350_02	Bacillales	*Bacillus*
Bacillus_cohnii_DSM_6350_03	Bacillales	*Bacillus*
Bacillus_cohnii_DSM_6350_04	Bacillales	*Bacillus*
Bacillus_cucumis_DSM_101566_01	Bacillales	*Bacillus*
Bacillus_cucumis_DSM_101566_02	Bacillales	*Bacillus*
Bacillus_cucumis_DSM_101566_03	Bacillales	*Bacillus*
Bacillus_cucumis_DSM_101566_04	Bacillales	*Bacillus*
Bacillus_cytotoxicus_DSM_22905_01	Bacillales	*Bacillus*
Bacillus_cytotoxicus_DSM_22905_02	Bacillales	*Bacillus*

Bacillus_cytotoxicus_DSM_22905_03	Bacillales	*Bacillus*
Bacillus_cytotoxicus_DSM_22905_04	Bacillales	*Bacillus*
Bacillus_ectoiniformans_DSM_28970_01	Bacillales	*Bacillus*
Bacillus_ectoiniformans_DSM_28970_02	Bacillales	*Bacillus*
Bacillus_ectoiniformans_DSM_28970_03	Bacillales	*Bacillus*
Bacillus_ectoiniformans_DSM_28970_04	Bacillales	*Bacillus*
Bacillus_encimensis_DSM_28241_01	Bacillales	*Bacillus*
Bacillus_encimensis_DSM_28241_02	Bacillales	*Bacillus*
Bacillus_encimensis_DSM_28241_03	Bacillales	*Bacillus*
Bacillus_encimensis_DSM_28241_04	Bacillales	*Bacillus*
Bacillus_firmus_DSM_12_01	Bacillales	*Bacillus*
Bacillus_firmus_DSM_12_02	Bacillales	*Bacillus*
Bacillus_flexus_DSM_1667_01	Bacillales	*Bacillus*
Bacillus_flexus_DSM_1667_02	Bacillales	*Bacillus*
Bacillus_flexus_DSM_1667_03	Bacillales	*Bacillus*
Bacillus_flexus_DSM_1667_04	Bacillales	*Bacillus*
Bacillus_halodurans_DSM_6940_01	Bacillales	*Bacillus*
Bacillus_halodurans_DSM_6940_02	Bacillales	*Bacillus*
Bacillus_halodurans_DSM_6940_03	Bacillales	*Bacillus*
Bacillus_halodurans_DSM_6940_04	Bacillales	*Bacillus*
Bacillus_halotolerans_18911_01	Bacillales	*Bacillus*
Bacillus_halotolerans_18911_02	Bacillales	*Bacillus*
Bacillus_halotolerans_18911_03	Bacillales	*Bacillus*
Bacillus_halotolerans_18911_04	Bacillales	*Bacillus*
Bacillus_horneckiae_23495_01	Bacillales	*Bacillus*
Bacillus_horneckiae_23495_02	Bacillales	*Bacillus*
Bacillus_horneckiae_23495_03	Bacillales	*Bacillus*
Bacillus_horneckiae_23495_04	Bacillales	*Bacillus*
Bacillus_infantis_DSM_19089_01	Bacillales	*Bacillus*
Bacillus_infantis_DSM_19089_02	Bacillales	*Bacillus*

Bacillus_infantis_DSM_19089_03	Bacillales	*Bacillus*
Bacillus_infantis_DSM_19089_04	Bacillales	*Bacillus*
Bacillus_lentus_DSM_5221_01	Bacillales	*Bacillus*
Bacillus_lentus_DSM_5221_02	Bacillales	*Bacillus*
Bacillus_lentus_DSM_5221_03	Bacillales	*Bacillus*
Bacillus_lentus_DSM_5221_04	Bacillales	*Bacillus*
Bacillus_licheniformis_DSM_13_01	Bacillales	*Bacillus*
Bacillus_licheniformis_DSM_13_02	Bacillales	*Bacillus*
Bacillus_megaterium_DSM_90_01	Bacillales	*Bacillus*
Bacillus_megaterium_DSM_90_02	Bacillales	*Bacillus*
Bacillus_mojavensis_DSM9206_01	Bacillales	*Bacillus*
Bacillus_mojavensis_DSM9206_02	Bacillales	*Bacillus*
Bacillus_mojavensis_DSM9206_03	Bacillales	*Bacillus*
Bacillus_mojavensis_DSM9206_04	Bacillales	*Bacillus*
Bacillus_muralis_DSM16288_01	Bacillales	*Bacillus*
Bacillus_muralis_DSM16288_02	Bacillales	*Bacillus*
Bacillus_muralis_DSM16288_03	Bacillales	*Bacillus*
Bacillus_muralis_DSM16288_04	Bacillales	*Bacillus*
Bacillus_mycoides_DSM_2048_01	Bacillales	*Bacillus*
Bacillus_mycoides_DSM_2048_02	Bacillales	*Bacillus*
Bacillus_mycoides_DSM_2048_03	Bacillales	*Bacillus*
Bacillus_pseudomycoides_DSM_12442_01	Bacillales	*Bacillus*
Bacillus_pseudomycoides_DSM_12442_02	Bacillales	*Bacillus*
Bacillus_pseudomycoides_DSM_12442_03	Bacillales	*Bacillus*
Bacillus_pseudomycoides_DSM_12442_04	Bacillales	*Bacillus*
Bacillus_psychrosaccharolyticus_DSM_6_01	Bacillales	*Bacillus*
Bacillus_psychrosaccharolyticus_DSM_6_02	Bacillales	*Bacillus*
Bacillus_psychrosaccharolyticus_DSM_6_03	Bacillales	*Bacillus*
Bacillus_psychrosaccharolyticus_DSM_6_04	Bacillales	*Bacillus*
Bacillus_pumilus_DSM_13835_01	Bacillales	*Bacillus*

Bacillus_pumilus_DSM_13835_02	Bacillales	*Bacillus*
Bacillus_salarius_DSM16461_01	Bacillales	*Bacillus*
Bacillus_salarius_DSM16461_02	Bacillales	*Bacillus*
Bacillus_salarius_DSM16461_03	Bacillales	*Bacillus*
Bacillus_salarius_DSM16461_04	Bacillales	*Bacillus*
Bacillus_siamensis_25261_01	Bacillales	*Bacillus*
Bacillus_siamensis_25261_02	Bacillales	*Bacillus*
Bacillus_siamensis_25261_03	Bacillales	*Bacillus*
Bacillus_siamensis_25261_04	Bacillales	*Bacillus*
Bacillus_simplex_DSM_1321_01	Bacillales	*Bacillus*
Bacillus_simplex_DSM_1321_02	Bacillales	*Bacillus*
Bacillus_simplex_DSM_1321_03	Bacillales	*Bacillus*
Bacillus_simplex_DSM_1321_04	Bacillales	*Bacillus*
Bacillus_sonorensis_DSM_13779_01	Bacillales	*Bacillus*
Bacillus_sonorensis_DSM_13779_02	Bacillales	*Bacillus*
Bacillus_sonorensis_DSM_13779_03	Bacillales	*Bacillus*
Bacillus_sonorensis_DSM_13779_04	Bacillales	*Bacillus*
Bacillus_sporothermodurans_DSM_10599_01	Bacillales	*Bacillus*
Bacillus_sporothermodurans_DSM_10599_02	Bacillales	*Bacillus*
Bacillus_sporothermodurans_DSM_10599_03	Bacillales	*Bacillus*
Bacillus_sporothermodurans_DSM_10599_04	Bacillales	*Bacillus*
Bacillus_subtilis_DSM_347_01	Bacillales	*Bacillus*
Bacillus_subtilis_DSM_347_02	Bacillales	*Bacillus*
Bacillus_subtilis_DSM_347_03	Bacillales	*Bacillus*
Bacillus_subtilis_DSM_347_04	Bacillales	*Bacillus*
Bacillus_thuringiensis_DSM_6073_01	Bacillales	*Bacillus*
Bacillus_thuringiensis_DSM_6073_02	Bacillales	*Bacillus*
Bacillus_thuringiensis_DSM_6073_03	Bacillales	*Bacillus*
Bacillus_thuringiensis_DSM_6073_04	Bacillales	*Bacillus*
Bacillus_vallismortis_DSM_11031_01	Bacillales	*Bacillus*

Bacillus_vallismortis_DSM_11031_02	Bacillales	*Bacillus*
Bacillus_vallismortis_DSM_11031_03	Bacillales	*Bacillus*
Bacillus_vallismortis_DSM_11031_04	Bacillales	*Bacillus*
Bacillus_weihenstephanensis_DSM_104119_01	Bacillales	*Bacillus*
Bacillus_weihenstephanensis_DSM_104119_02	Bacillales	*Bacillus*
Bacillus_weihenstephanensis_DSM_104119_03	Bacillales	*Bacillus*
Bacillus_weihenstephanensis_DSM_104119_04	Bacillales	*Bacillus*
Brucella_abortus_S19_delta_01	Rhizobiales	*Brucella*
Brucella_abortus_S19_delta_02	Rhizobiales	*Brucella*
Brucella_abortus_S19_delta_03	Rhizobiales	*Brucella*
Brucella_abortus_S19_delta_04	Rhizobiales	*Brucella*
Brucella_canis_A183_5_01	Rhizobiales	*Brucella*
Brucella_canis_A183_5_02	Rhizobiales	*Brucella*
Brucella_canis_A183_5_03	Rhizobiales	*Brucella*
Brucella_canis_A183_5_04	Rhizobiales	*Brucella*
Brucella_melitensis_A146_13_Ringversuch_A938_3_01	Rhizobiales	*Brucella*
Brucella_melitensis_A146_13_Ringversuch_A938_3_02	Rhizobiales	*Brucella*
Brucella_melitensis_A146_13_Ringversuch_A938_3_03	Rhizobiales	*Brucella*
Brucella_melitensis_A146_13_Ringversuch_A938_3_04	Rhizobiales	*Brucella*
Brucella_microti_CCM_4915_01	Rhizobiales	*Brucella*
Brucella_microti_CCM_4915_02	Rhizobiales	*Brucella*
Brucella_neotomae_A148_7_01	Rhizobiales	*Brucella*
Brucella_neotomae_A148_7_02	Rhizobiales	*Brucella*
Brucella_neotomae_A148_7_03	Rhizobiales	*Brucella*
Brucella_neotomae_A148_7_04	Rhizobiales	*Brucella*
Brucella_ovis_A138_7_01	Rhizobiales	*Brucella*
Brucella_ovis_A138_7_02	Rhizobiales	*Brucella*
Brucella_ovis_A138_7_03	Rhizobiales	*Brucella*
Brucella_ovis_A138_7_04	Rhizobiales	*Brucella*
Brucella_pinnipedialis_A148_8_01	Rhizobiales	*Brucella*

Brucella_pinnipedialis_A148_8_02	Rhizobiales	*Brucella*
Brucella_pinnipedialis_A148_8_03	Rhizobiales	*Brucella*
Brucella_pinnipedialis_A148_8_04	Rhizobiales	*Brucella*
Brucella_vulpis_DSM_101715_01	Rhizobiales	*Brucella*
Brucella_vulpis_DSM_101715_02	Rhizobiales	*Brucella*
Brucella_vulpis_DSM_101715_03	Rhizobiales	*Brucella*
Brucella_vulpis_DSM_101715_04	Rhizobiales	*Brucella*
Burkholderia_caledonica_LMG_19076_01	Burkholderiales	*Burkholderia*
Burkholderia_caledonica_LMG_19076_02	Burkholderiales	*Burkholderia*
Burkholderia_caledonica_LMG_19076_03	Burkholderiales	*Burkholderia*
Burkholderia_caribensis_LMG_18531_01	Burkholderiales	*Burkholderia*
Burkholderia_caribensis_LMG_18531_02	Burkholderiales	*Burkholderia*
Burkholderia_caribensis_LMG_18531_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_ambifaria_DSM_16087_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_ambifaria_DSM_16087_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_ambifaria_DSM_16087_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_ambifaria_DSM_16087_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_anthina_DSM_16086_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_anthina_DSM_16086_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_anthina_DSM_16086_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_anthina_DSM_16086_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_arboris_DSM_23435_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_arboris_DSM_23435_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_arboris_DSM_23435_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_arboris_DSM_23435_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_cenocepacia_DSM_16553_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_cenocepacia_DSM_16553_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_cenocepacia_DSM_16553_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_cenocepacia_DSM_16553_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_cepacia_DSM_7288_01	Burkholderiales	*Burkholderia*

Burkholderia_CC_cepacia_DSM_7288_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_cepacia_DSM_7288_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_contaminans_DSM_22706 _01	Burkholderiales	*Burkholderia*
Burkholderia_CC_contaminans_DSM_22706 _02	Burkholderiales	*Burkholderia*
Burkholderia_CC_contaminans_DSM_22706 _03	Burkholderiales	*Burkholderia*
Burkholderia_CC_contaminans_DSM_22706 _04	Burkholderiales	*Burkholderia*
Burkholderia_CC_diffusa_DSM_23434_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_diffusa_DSM_23434_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_diffusa_DSM_23434_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_diffusa_DSM_23434_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_dolosa_DSM_16088_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_dolosa_DSM_16088_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_dolosa_DSM_16088_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_dolosa_DSM_16088_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_lata_DSM_23089_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_lata_DSM_23089_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_lata_DSM_23089_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_lata_DSM_23089_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_latens_DSM_23436_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_latens_DSM_23436_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_latens_DSM_23436_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_latens_DSM_23436_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_metallica_DSM_23519_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_metallica_DSM_23519_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_metallica_DSM_23519_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_metallica_DSM_23519_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_multivorans_ATCC_17616_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_multivorans_ATCC_17616_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_multivorans_ATCC_17616_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_pseudomultivorans_LMG_16669_01	Burkholderiales	*Burkholderia*

Burkholderia_CC_pseudomultivorans_LMG_16669_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_pseudomultivorans_LMG_16669_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_pseudomultivorans_LMG_16669_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_puraquae_CAMPA_565_HST_189_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_puraquae_CAMPA_565_HST_189_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_puraquae_CAMPA_565_HST_189_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_puraquae_CAMPA_565_HST_189_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_pyrrocinia_ATCC_15958_DSM_10685_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_pyrrocinia_ATCC_15958_DSM_10685_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_pyrrocinia_ATCC_15958_DSM_10685_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_pyrrocinia_ATCC_15958_DSM_10685_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_seminalis_DSM_23518_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_seminalis_DSM_23518_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_seminalis_DSM_23518_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_seminalis_DSM_23518_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_stabilis_DSM_16586_LMG_14294_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_stabilis_DSM_16586_LMG_14294_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_stabilis_DSM_16586_LMG_14294_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_stabilis_DSM_16586_LMG_14294_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_stagnalis_LMG_28156_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_stagnalis_LMG_28156_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_stagnalis_LMG_28156_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_stagnalis_LMG_28156_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_territorii_LMG_28158_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_territorii_LMG_28158_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_territorii_LMG_28158_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_territorii_LMG_28158_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_ubonensis_DSM_17311_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_ubonensis_DSM_17311_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_ubonensis_DSM_17311_03	Burkholderiales	*Burkholderia*

Burkholderia_CC_ubonensis_DSM_17311_04	Burkholderiales	*Burkholderia*
Burkholderia_CC_vietnamiensis_LMG_10929_01	Burkholderiales	*Burkholderia*
Burkholderia_CC_vietnamiensis_LMG_10929_02	Burkholderiales	*Burkholderia*
Burkholderia_CC_vietnamiensis_LMG_10929_03	Burkholderiales	*Burkholderia*
Burkholderia_CC_vietnamiensis_LMG_10929_04	Burkholderiales	*Burkholderia*
Burkholderia_gladioli_DSM_8361_01	Burkholderiales	*Burkholderia*
Burkholderia_gladioli_DSM_8361_02	Burkholderiales	*Burkholderia*
Burkholderia_gladioli_DSM_8361_03	Burkholderiales	*Burkholderia*
Burkholderia_gladioli_DSM_8361_04	Burkholderiales	*Burkholderia*
Burkholderia_glathei_LMG_14190_01	Burkholderiales	*Burkholderia*
Burkholderia_glathei_LMG_14190_02	Burkholderiales	*Burkholderia*
Burkholderia_glathei_LMG_14190_03	Burkholderiales	*Burkholderia*
Burkholderia_glumae_LMG_1277_01	Burkholderiales	*Burkholderia*
Burkholderia_glumae_LMG_1277_02	Burkholderiales	*Burkholderia*
Burkholderia_glumae_LMG_1277_03	Burkholderiales	*Burkholderia*
Burkholderia_hospita_LMG_20574_01	Burkholderiales	*Burkholderia*
Burkholderia_hospita_LMG_20574_02	Burkholderiales	*Burkholderia*
Burkholderia_hospita_LMG_20574_03	Burkholderiales	*Burkholderia*
Burkholderia_kururiensis_DSM_13464_01	Burkholderiales	*Burkholderia*
Burkholderia_kururiensis_DSM_13464_02	Burkholderiales	*Burkholderia*
Burkholderia_kururiensis_DSM_13464_03	Burkholderiales	*Burkholderia*
Burkholderia_kururiensis_DSM_13464_04	Burkholderiales	*Burkholderia*
Burkholderia_mallei_ATCC_23344_01	Burkholderiales	*Burkholderia*
Burkholderia_mallei_ATCC_23344_02	Burkholderiales	*Burkholderia*
Burkholderia_mallei_ATCC_23344_03	Burkholderiales	*Burkholderia*
Burkholderia_mallei_ATCC_23344_04	Burkholderiales	*Burkholderia*
Burkholderia_oklahomensis_DSM_21774_01	Burkholderiales	*Burkholderia*
Burkholderia_oklahomensis_DSM_21774_02	Burkholderiales	*Burkholderia*
Burkholderia_oklahomensis_DSM_21774_03	Burkholderiales	*Burkholderia*
Burkholderia_oklahomensis_DSM_21774_04	Burkholderiales	*Burkholderia*

Burkholderia_phymatum_DSM_17167_01	Burkholderiales	*Burkholderia*
Burkholderia_phymatum_DSM_17167_02	Burkholderiales	*Burkholderia*
Burkholderia_phymatum_DSM_17167_03	Burkholderiales	*Burkholderia*
Burkholderia_phytofirmans_DSM_17436_01	Burkholderiales	*Burkholderia*
Burkholderia_phytofirmans_DSM_17436_02	Burkholderiales	*Burkholderia*
Burkholderia_phytofirmans_DSM_17436_03	Burkholderiales	*Burkholderia*
Burkholderia_plantarii_LMG_10907_01	Burkholderiales	*Burkholderia*
Burkholderia_plantarii_LMG_10907_02	Burkholderiales	*Burkholderia*
Burkholderia_plantarii_LMG_10907_03	Burkholderiales	*Burkholderia*
Burkholderia_pseudomallei_CCUC_13790_01	Burkholderiales	*Burkholderia*
Burkholderia_pseudomallei_CCUC_13790_02	Burkholderiales	*Burkholderia*
Burkholderia_pseudomallei_CCUC_13790_03	Burkholderiales	*Burkholderia*
Burkholderia_thailandensis_DSM_13276_01	Burkholderiales	*Burkholderia*
Burkholderia_thailandensis_DSM_13276_02	Burkholderiales	*Burkholderia*
Burkholderia_thailandensis_DSM_13276_03	Burkholderiales	*Burkholderia*
Burkholderia_tuberum_LMG_21444_01	Burkholderiales	*Burkholderia*
Burkholderia_tuberum_LMG_21444_02	Burkholderiales	*Burkholderia*
Burkholderia_tuberum_LMG_21444_03	Burkholderiales	*Burkholderia*
Burkholderia_xenovorans_DSM_17367_01	Burkholderiales	*Burkholderia*
Burkholderia_xenovorans_DSM_17367_02	Burkholderiales	*Burkholderia*
Burkholderia_xenovorans_DSM_17367_03	Burkholderiales	*Burkholderia*
Campylobacter_jejuni_A669_01	Campylobacterales	*Campylobacter*
Campylobacter_jejuni_A669_02	Campylobacterales	*Campylobacter*
Campylobacter_jejuni_A669_03	Campylobacterales	*Campylobacter*
Campylobacter_jejuni_A669_04	Campylobacterales	*Campylobacter*
Citrobacter_amalonaticus_04_08695_01	Enterobacteriales	*Citrobacter*
Citrobacter_amalonaticus_04_08695_02	Enterobacteriales	*Citrobacter*
Citrobacter_diversus_ATCC_25408_01	Enterobacteriales	*Citrobacter*
Citrobacter_diversus_ATCC_25408_02	Enterobacteriales	*Citrobacter*
Citrobacter_freundii_DSM_30039_01	Enterobacteriales	*Citrobacter*

Citrobacter_freundii_DSM_30039_02	Enterobacteriales	*Citrobacter*
Citrobacter_freundii_DSM_30039_03	Enterobacteriales	*Citrobacter*
Citrobacter_freundii_DSM_30039_04	Enterobacteriales	*Citrobacter*
Corynebacterium_amycolatum_RRLK02_02_01	Actinomycetales	*Corynebacterium*
Corynebacterium_amycolatum_RRLK02_02_02	Actinomycetales	*Corynebacterium*
Corynebacterium_amycolatum_RRLK02_02_03	Actinomycetales	*Corynebacterium*
Corynebacterium_amycolatum_RRLK02_02_04	Actinomycetales	*Corynebacterium*
Edwardsiella_tarda_DSM_30052_01	Enterobacteriales	*Edwardsiella*
Edwardsiella_tarda_DSM_30052_02	Enterobacteriales	*Edwardsiella*
Enterobacter_aerogenes_DSM_30053_01	Enterobacteriales	*Enterobacter*
Enterobacter_aerogenes_DSM_30053_02	Enterobacteriales	*Enterobacter*
Enterobacter_cloacae_DSM_30054_01	Enterobacteriales	*Enterobacter*
Enterobacter_cloacae_DSM_30054_02	Enterobacteriales	*Enterobacter*
Enterobacter_gergoviae_ATCC_33426_01	Enterobacteriales	*Enterobacter*
Enterobacter_gergoviae_ATCC_33426_02	Enterobacteriales	*Enterobacter*
Enterobacter_sakazakii_04_01242_01	Enterobacteriales	*Enterobacter*
Enterobacter_sakazakii_04_01242_02	Enterobacteriales	*Enterobacter*
Enterococcus_faecalis_DSM_20371_01	Enterobacteriales	*Enterococcus*
Enterococcus_faecalis_DSM_20371_02	Enterobacteriales	*Enterococcus*
Enterococcus_faecalis_DSM_20371_03	Enterobacteriales	*Enterococcus*
Enterococcus_faecalis_DSM_20371_04	Enterobacteriales	*Enterococcus*
Escherichia_coli_DSM_3871_01	Enterobacteriales	*Escherichia*
Escherichia_coli_DSM_3871_02	Enterobacteriales	*Escherichia*
Escherichia_coli_DSM_3871_03	Enterobacteriales	*Escherichia*
Escherichia_coli_DSM_3871_04	Enterobacteriales	*Escherichia*
Francisella_guangzhouensis_DSM_102975_01	Thiotrichales	*Francisella*
Francisella_guangzhouensis_DSM_102975_02	Thiotrichales	*Francisella*
Francisella_guangzhouensis_DSM_102975_03	Thiotrichales	*Francisella*
Francisella_guangzhouensis_DSM_102975_04	Thiotrichales	*Francisella*
Francisella_hispaniensis_DSM_22475_01	Thiotrichales	*Francisella*

Francisella_hispaniensis_DSM_22475_02	Thiotrichales	*Francisella*
Francisella_hispaniensis_DSM_22475_03	Thiotrichales	*Francisella*
Francisella_hispaniensis_DSM_22475_04	Thiotrichales	*Francisella*
Francisella_naotunensis_ssp_orientalis_DSM_21254_01	Thiotrichales	*Francisella*
Francisella_naotunensis_ssp_orientalis_DSM_21254_02	Thiotrichales	*Francisella*
Francisella_naotunensis_ssp_orientalis_DSM_21254_03	Thiotrichales	*Francisella*
Francisella_naotunensis_ssp_orientalis_DSM_21254_04	Thiotrichales	*Francisella*
Francisella_tularensis_novicida_Ft26_01	Thiotrichales	*Francisella*
Francisella_tularensis_novicida_Ft26_02	Thiotrichales	*Francisella*
Francisella_tularensis_novicida_Ft26_03	Thiotrichales	*Francisella*
Francisella_tularensis_novicida_Ft26_04	Thiotrichales	*Francisella*
Francisella_tularensis_ssp_mediasiatica_Ft31_01	Thiotrichales	*Francisella*
Francisella_tularensis_ssp_mediasiatica_Ft31_02	Thiotrichales	*Francisella*
Francisella_tularensis_ssp_mediasiatica_Ft31_03	Thiotrichales	*Francisella*
Francisella_tularensis_ssp_mediasiatica_Ft31_04	Thiotrichales	*Francisella*
Francisella_tularensis_subsp_holarctica_A466_1_01	Thiotrichales	*Francisella*
Francisella_tularensis_subsp_holarctica_A466_1_02	Thiotrichales	*Francisella*
Francisella_tularensis_subsp_holarctica_A466_1_03	Thiotrichales	*Francisella*
Francisella_tularensis_subsp_holarctica_A466_1_04	Thiotrichales	*Francisella*
Inquilinus_limosus_DSM_16000_01	Rhodospirillales	*Inquilinus*
Inquilinus_limosus_DSM_16000_02	Rhodospirillales	*Inquilinus*
Inquilinus_limosus_DSM_16000_03	Rhodospirillales	*Inquilinus*
Inquilinus_limosus_DSM_16000_04	Rhodospirillales	*Inquilinus*
Klebsiella_oxytoca_ATCC_13182_01	Enterobacteriales	*Klebsiella*
Klebsiella_oxytoca_ATCC_13182_02	Enterobacteriales	*Klebsiella*
Klebsiella_pneumoniae_ssp_ozeanae_DSM_68_01	Enterobacteriales	*Klebsiella*
Klebsiella_pneumoniae_ssp_ozeanae_DSM_68_02	Enterobacteriales	*Klebsiella*
Kocuria_palustris_RRLK06_02_01	Actinomycetales	*Kocuria*
Kocuria_palustris_RRLK06_02_02	Actinomycetales	*Kocuria*
Kocuria_palustris_RRLK06_02_03	Actinomycetales	*Kocuria*

Kocuria_palustris_RRLK06_02_04	Actinomycetales	*Kocuria*
Lysinibacillus_fusiformis_B207_01	Bacillales	*Lysinibacillus*
Lysinibacillus_fusiformis_B207_02	Bacillales	*Lysinibacillus*
Lysinibacillus_fusiformis_B207_03	Bacillales	*Lysinibacillus*
Lysinibacillus_fusiformis_B207_04	Bacillales	*Lysinibacillus*
Lysinibacillus_sphaericus_DSM_396_01	Bacillales	*Lysinibacillus*
Lysinibacillus_sphaericus_DSM_396_02	Bacillales	*Lysinibacillus*
Micrococcus_luteus_RRLK07_01	Actinomycetales	*Micrococcus*
Micrococcus_luteus_RRLK07_02	Actinomycetales	*Micrococcus*
Micrococcus_luteus_RRLK07_03	Actinomycetales	*Micrococcus*
Micrococcus_luteus_RRLK07_04	Actinomycetales	*Micrococcus*
Ochrobactrum_anthropi_DSM_20150_01	Rhizobiales	*Ochrobactrum*
Ochrobactrum_anthropi_DSM_20150_02	Rhizobiales	*Ochrobactrum*
Ochrobactrum_anthropi_DSM_20150_03	Rhizobiales	*Ochrobactrum*
Ochrobactrum_anthropi_DSM_20150_04	Rhizobiales	*Ochrobactrum*
Oligella_urethralis_A691_2_01	Burkholderiales	*Oligella*
Oligella_urethralis_A691_2_02	Burkholderiales	*Oligella*
Paenibacillus_alvei_B210_01	Bacillales	*Paenibacillus*
Paenibacillus_alvei_B210_02	Bacillales	*Paenibacillus*
Paenibacillus_alvei_B210_03	Bacillales	*Paenibacillus*
Paenibacillus_alvei_B210_04	Bacillales	*Paenibacillus*
Paenibacillus_polymyxa_DSM_365_01	Bacillales	*Paenibacillus*
Paenibacillus_polymyxa_DSM_365_02	Bacillales	*Paenibacillus*
Paenibacillus_polymyxa_DSM_365_03	Bacillales	*Paenibacillus*
Paenibacillus_polymyxa_DSM_365_04	Bacillales	*Paenibacillus*
Pandoraea_apista_DSM_16535_01	Burkholderiales	*Pandoraea*
Pandoraea_apista_DSM_16535_02	Burkholderiales	*Pandoraea*
Pandoraea_apista_DSM_16535_03	Burkholderiales	*Pandoraea*
Pandoraea_apista_DSM_16535_04	Burkholderiales	*Pandoraea*
Pandoraea_pnomenusa_DSM_16536_01	Burkholderiales	*Pandoraea*

Pandoraea_pnomenusa_DSM_16536_02	Burkholderiales	*Pandoraea*
Pandoraea_pnomenusa_DSM_16536_03	Burkholderiales	*Pandoraea*
Pandoraea_pnomenusa_DSM_16536_04	Burkholderiales	*Pandoraea*
Pandoraea_pulmonicola_DSM_16583_01	Burkholderiales	*Pandoraea*
Pandoraea_pulmonicola_DSM_16583_02	Burkholderiales	*Pandoraea*
Pandoraea_pulmonicola_DSM_16583_03	Burkholderiales	*Pandoraea*
Pandoraea_pulmonicola_DSM_16583_04	Burkholderiales	*Pandoraea*
Pantoea_agglomerans_ATCC_27988_01	Enterobacteriales	*Pantoea*
Pantoea_agglomerans_ATCC_27988_02	Enterobacteriales	*Pantoea*
Paracoccus_yeei_RRLK05_01_01	Rhodobacterales	*Paracoccus*
Paracoccus_yeei_RRLK05_01_02	Rhodobacterales	*Paracoccus*
Paracoccus_yeei_RRLK05_01_03	Rhodobacterales	*Paracoccus*
Paracoccus_yeei_RRLK05_01_04	Rhodobacterales	*Paracoccus*
Proteus_inconstans_ATCC_25827_01	Enterobacteriales	*Proteus*
Proteus_inconstans_ATCC_25827_02	Enterobacteriales	*Proteus*
Proteus_mirabilis_SM_788_01	Enterobacteriales	*Proteus*
Proteus_mirabilis_SM_788_02	Enterobacteriales	*Proteus*
Proteus_morganii_DSM_30117_01	Enterobacteriales	*Proteus*
Proteus_morganii_DSM_30117_02	Enterobacteriales	*Proteus*
Proteus_vulgaris_ATCC_33420_01	Enterobacteriales	*Proteus*
Proteus_vulgaris_ATCC_33420_02	Enterobacteriales	*Proteus*
Pseudomonas_aeruginosa_ATCC_27853_01	Pseudomonadales	*Pseudomonas*
Pseudomonas_aeruginosa_ATCC_27853_02	Pseudomonadales	*Pseudomonas*
Pseudomonas_aeruginosa_ATCC_27853_03	Pseudomonadales	*Pseudomonas*
Pseudomonas_aeruginosa_ATCC_27853_04	Pseudomonadales	*Pseudomonas*
Pseudomonas_chlororaphis_ATCC_17809_01	Pseudomonadales	*Pseudomonas*
Pseudomonas_chlororaphis_ATCC_17809_02	Pseudomonadales	*Pseudomonas*
Pseudomonas_chlororaphis_ATCC_17809_03	Pseudomonadales	*Pseudomonas*
Pseudomonas_chlororaphis_ATCC_17809_04	Pseudomonadales	*Pseudomonas*
Ralstonia_insidiosa_DSM_17714_01	Burkholderiales	*Ralstonia*

Ralstonia_insidiosa_DSM_17714_02	Burkholderiales	*Ralstonia*
Ralstonia_insidiosa_DSM_17714_03	Burkholderiales	*Ralstonia*
Ralstonia_insidiosa_DSM_17714_04	Burkholderiales	*Ralstonia*
Ralstonia_mannitolilytica_DSM_17512_01	Burkholderiales	*Ralstonia*
Ralstonia_mannitolilytica_DSM_17512_02	Burkholderiales	*Ralstonia*
Ralstonia_mannitolilytica_DSM_17512_03	Burkholderiales	*Ralstonia*
Ralstonia_mannitolilytica_DSM_17512_04	Burkholderiales	*Ralstonia*
Ralstonia_pickettii_DSM_6297_01	Burkholderiales	*Ralstonia*
Ralstonia_pickettii_DSM_6297_02	Burkholderiales	*Ralstonia*
Ralstonia_pickettii_DSM_6297_03	Burkholderiales	*Ralstonia*
Ralstonia_pickettii_DSM_6297_04	Burkholderiales	*Ralstonia*
Salmonella_enterica_serovar_minnesota_SF_1111_01	Enterobacteriales	*Salmonella*
Salmonella_enterica_serovar_minnesota_SF_1111_02	Enterobacteriales	*Salmonella*
Salmonella_enteritidis_LT21_01	Enterobacteriales	*Salmonella*
Salmonella_enteritidis_LT21_02	Enterobacteriales	*Salmonella*
Salmonella_hadar_01	Enterobacteriales	*Salmonella*
Salmonella_hadar_02	Enterobacteriales	*Salmonella*
Salmonella_typhimurium_SH_9178_01	Enterobacteriales	*Salmonella*
Salmonella_typhimurium_SH_9178_02	Enterobacteriales	*Salmonella*
Serratia_grimesii_DSM_30063_01	Enterobacteriales	*Salmonella*
Serratia_grimesii_DSM_30063_02	Enterobacteriales	*Salmonella*
Serratia_marcescens_DSM_30121_01	Enterobacteriales	*Salmonella*
Serratia_marcescens_DSM_30121_02	Enterobacteriales	*Salmonella*
Shigella_boydii_01	Enterobacteriales	*Salmonella*
Shigella_boydii_02	Enterobacteriales	*Salmonella*
Shigella_flexneri_3A_01	Enterobacteriales	*Salmonella*
Shigella_flexneri_3A_02	Enterobacteriales	*Salmonella*
Staphylococcus_aureus_DSM_20231_01	Bacillales	*Staphylococcus*
Staphylococcus_aureus_DSM_20231_02	Bacillales	*Staphylococcus*
Staphylococcus_aureus_DSM_20231_03	Bacillales	*Staphylococcus*

Staphylococcus_aureus_DSM_20231_04	Bacillales	*Staphylococcus*
Staphylococcus_epidermidis_DSM_1798_01	Bacillales	*Staphylococcus*
Staphylococcus_epidermidis_DSM_1798_02	Bacillales	*Staphylococcus*
Staphylococcus_epidermidis_DSM_1798_03	Bacillales	*Staphylococcus*
Staphylococcus_epidermidis_DSM_1798_04	Bacillales	*Staphylococcus*
Staphylococcus_hominis_RRLK01_03_01	Bacillales	*Staphylococcus*
Staphylococcus_hominis_RRLK01_03_02	Bacillales	*Staphylococcus*
Staphylococcus_hominis_RRLK01_03_03	Bacillales	*Staphylococcus*
Staphylococcus_hominis_RRLK01_03_04	Bacillales	*Staphylococcus*
Stenotrophomonas_maltophilia_Sm_36_01	Xanthomonadales	*Stenotrophomonas*
Stenotrophomonas_maltophilia_Sm_36_02	Xanthomonadales	*Stenotrophomonas*
Stenotrophomonas_maltophilia_Sm_36_03	Xanthomonadales	*Stenotrophomonas*
Stenotrophomonas_rhizophila_RRLK03_01_01	Xanthomonadales	*Stenotrophomonas*
Stenotrophomonas_rhizophila_RRLK03_01_02	Xanthomonadales	*Stenotrophomonas*
Stenotrophomonas_rhizophila_RRLK03_01_03	Xanthomonadales	*Stenotrophomonas*
Stenotrophomonas_rhizophila_RRLK03_01_04	Xanthomonadales	*Stenotrophomonas*
Streptococcus_pyogenes_DSM_20565_01	Lactobacillales	*Streptococcus*
Streptococcus_pyogenes_DSM_20565_02	Lactobacillales	*Streptococcus*
Streptococcus_pyogenes_DSM_20565_03	Lactobacillales	*Streptococcus*
Streptococcus_pyogenes_DSM_20565_04	Lactobacillales	*Streptococcus*
Vibrio_alginolyticus_DSM_2171_01	Enterobacteriales	*Vibrio*
Vibrio_cholerae_A220_01	Enterobacteriales	*Vibrio*
Vibrio_cholerae_A220_02	Enterobacteriales	*Vibrio*
Vibrio_cholerae_A220_03	Enterobacteriales	*Vibrio*
Vibrio_cholerae_A220_04	Enterobacteriales	*Vibrio*
Vibrio_diazotrophicus_174_2_01	Enterobacteriales	*Vibrio*
Vibrio_mimicus_A177_1_01	Enterobacteriales	*Vibrio*
Vibrio_parahaemolyticus_177_2_01	Enterobacteriales	*Vibrio*
Vibrio_vulnificus_A177_3_02	Enterobacteriales	*Vibrio*
Xenophilus_sp_A395_01	Burkholderiales	*Xenophilus*

Xenophilus_sp_A395_02	Burkholderiales	*Xenophilus*
Yersinia_aldovae_DSM_18303_01	Enterobacteriales	*Yersinia*
Yersinia_aldovae_DSM_18303_02	Enterobacteriales	*Yersinia*
Yersinia_aldovae_DSM_18303_03	Enterobacteriales	*Yersinia*
Yersinia_aleksiciae_DSM_14987_01	Enterobacteriales	*Yersinia*
Yersinia_aleksiciae_DSM_14987_02	Enterobacteriales	*Yersinia*
Yersinia_aleksiciae_DSM_14987_03	Enterobacteriales	*Yersinia*
Yersinia_bercovieri_DSM_18528_01	Enterobacteriales	*Yersinia*
Yersinia_bercovieri_DSM_18528_02	Enterobacteriales	*Yersinia*
Yersinia_bercovieri_DSM_18528_03	Enterobacteriales	*Yersinia*
Yersinia_enterocolitica_DSM_9676_01	Enterobacteriales	*Yersinia*
Yersinia_enterocolitica_DSM_9676_02	Enterobacteriales	*Yersinia*
Yersinia_enterocolitica_DSM_9676_03	Enterobacteriales	*Yersinia*
Yersinia_entomophaga_DSM_22339_01	Enterobacteriales	*Yersinia*
Yersinia_entomophaga_DSM_22339_02	Enterobacteriales	*Yersinia*
Yersinia_entomophaga_DSM_22339_03	Enterobacteriales	*Yersinia*
Yersinia_entomophaga_DSM_22339_04	Enterobacteriales	*Yersinia*
Yersinia_frederiksenii_DSM_18490_01	Enterobacteriales	*Yersinia*
Yersinia_frederiksenii_DSM_18490_02	Enterobacteriales	*Yersinia*
Yersinia_frederiksenii_DSM_18490_03	Enterobacteriales	*Yersinia*
Yersinia_intermedia_DSM_18517_01	Enterobacteriales	*Yersinia*
Yersinia_intermedia_DSM_18517_02	Enterobacteriales	*Yersinia*
Yersinia_intermedia_DSM_18517_03	Enterobacteriales	*Yersinia*
Yersinia_kristensenii_DSM_18543_01	Enterobacteriales	*Yersinia*
Yersinia_kristensenii_DSM_18543_02	Enterobacteriales	*Yersinia*
Yersinia_kristensenii_DSM_18543_03	Enterobacteriales	*Yersinia*
Yersinia_massiliensis_DSM_21859_01	Enterobacteriales	*Yersinia*
Yersinia_massiliensis_DSM_21859_02	Enterobacteriales	*Yersinia*
Yersinia_massiliensis_DSM_21859_03	Enterobacteriales	*Yersinia*
Yersinia_massiliensis_DSM_21859_04	Enterobacteriales	*Yersinia*

Yersinia_mollaretii_DSM_18520_01	Enterobacteriales	*Yersinia*
Yersinia_mollaretii_DSM_18520_02	Enterobacteriales	*Yersinia*
Yersinia_mollaretii_DSM_18520_03	Enterobacteriales	*Yersinia*
Yersinia_nurmii_DSM_22296_01	Enterobacteriales	*Yersinia*
Yersinia_nurmii_DSM_22296_02	Enterobacteriales	*Yersinia*
Yersinia_nurmii_DSM_22296_03	Enterobacteriales	*Yersinia*
Yersinia_nurmii_DSM_22296_04	Enterobacteriales	*Yersinia*
Yersinia_pekkanenii_DSM_22769_01	Enterobacteriales	*Yersinia*
Yersinia_pekkanenii_DSM_22769_02	Enterobacteriales	*Yersinia*
Yersinia_pekkanenii_DSM_22769_03	Enterobacteriales	*Yersinia*
Yersinia_pekkanenii_DSM_22769_04	Enterobacteriales	*Yersinia*
Yersinia_pestis_10329_01	Enterobacteriales	*Yersinia*
Yersinia_pestis_10329_04	Enterobacteriales	*Yersinia*
Yersinia_pseudotuberculosis_DSM_8992_01	Enterobacteriales	*Yersinia*
Yersinia_pseudotuberculosis_DSM_8992_02	Enterobacteriales	*Yersinia*
Yersinia_pseudotuberculosis_DSM_8992_03	Enterobacteriales	*Yersinia*
Yersinia_rohdei_DSM_18270_01	Enterobacteriales	*Yersinia*
Yersinia_rohdei_DSM_18270_02	Enterobacteriales	*Yersinia*
Yersinia_rohdei_DSM_18270_03	Enterobacteriales	*Yersinia*
Yersinia_ruckeri_DSM_18506_01	Enterobacteriales	*Yersinia*
Yersinia_ruckeri_DSM_18506_02	Enterobacteriales	*Yersinia*
Yersinia_ruckeri_DSM_18506_03	Enterobacteriales	*Yersinia*
Yersinia_similis_DSM_18211_01	Enterobacteriales	*Yersinia*
Yersinia_similis_DSM_18211_02	Enterobacteriales	*Yersinia*
Yersinia_similis_DSM_18211_03	Enterobacteriales	*Yersinia*
Yersinia_similis_DSM_18211_04	Enterobacteriales	*Yersinia*
Yersinia_wautersii_DSM_27350_01	Enterobacteriales	*Yersinia*
Yersinia_wautersii_DSM_27350_02	Enterobacteriales	*Yersinia*
Yersinia_wautersii_DSM_27350_03	Enterobacteriales	*Yersinia*
Yersinia_wautersii_DSM_27350_04	Enterobacteriales	*Yersinia*

TABLE S2. SUMMARY TABLE OF STUDIED BACTERIAL STRAINS (BSNB)

Names	**ID**	**BSNB**	**Order**	**Genus**
Bacillus_cereus	GTC2112	BSNB_0016	Bacillales	*Bacillus*
Brevibacillus_sp	GCYPB01	BSNB_0034	Bacillales	*Brevibacillus*
Bacillus_sp	GTC2802	BSNB_0053	Bacillales	*Bacillus*
Serratia_sp	CN1	BSNB_0139	Enterobacteriales	*Serratia*
Serratia_marcescens	CN4	BSNB_0142	Enterobacteriales	*Serratia*
Burkholderia_seminalis	CN5A	BSNB_0143	Burkholderiales	*Burkholderia*
Pseudomonas_beteli	CN12	BSNB_0150	Pseudomonadales	*Pseudomonas*
Serratia_marcescens	CN14	BSNB_0152	Enterobacteriales	*Serratia*
Achromobacter_sp	CN15	BSNB_0153	Burkholderiales	*Achromobacter*
Burkholderia_sp	CN20	BSNB_0158	Burkholderiales	*Burkholderia*
Serratia_marcescens	CN27	BSNB_0165	Enterobacteriales	*Serratia*
Burkholderia_sp	CN28	BSNB_0166	Burkholderiales	*Burkholderia*
Burkholderia_pyrrocinia	CN32	BSNB_0170	Burkholderiales	*Burkholderia*
Burkholderia_sp	CN33	BSNB_0171	Burkholderiales	*Burkholderia*
Burkholderia_cepacia	CN34	BSNB_0172	Burkholderiales	*Burkholderia*
Burkholderia_sp	CN38	BSNB_0178	Burkholderiales	*Burkholderia*
Lactococcus_garvieae	CN39	BSNB_0179	Lactobacillales	*Lactococcus*
Lactococcus_garvieae	CN40	BSNB_0180	Lactobacillales	*Lactococcus*
Burkholderia_arboris	CN41	BSNB_0181	Burkholderiales	*Burkholderia*
Enterobacter_tabaci	CN42A	BSNB_0182	Enterobacteriales	*Enterobacter*
Enterobacter_tabaci	CN51	BSNB_0191	Enterobacteriales	*Enterobacter*
Enterobacter_tabaci	CN52	BSNB_0192	Enterobacteriales	*Enterobacter*
Pseudomonas_sp	CN54	BSNB_0194	Pseudomonadales	*Pseudomonas*
Kitasatospora_sp	CN61	BSNB_0202	Actinomycetales	*Kitasatospora*
Bacillus_cereus	CN89	BSNB_0230	Bacillales	*Bacillus*
Bacillus_cereus	CN91	BSNB_0232	Bacillales	*Bacillus*
Lysinibacillus_xylanilyticus	CN92	BSNB_0233	Bacillales	*Lysinibacillus*
Streptomyces_sp	CN93	BSNB_0234	Actinomycetales	*Streptomyces*

Bacillus_firmus	CN94	BSNB_0235	Bacillales	*Bacillus*
Bacillus_sp	CN95	BSNB_0236	Bacillales	*Bacillus*
Lysinibacillus_sp	CN98	BSNB_0239	Bacillales	*Lysinibacillus*
Enterobacter_tabaci	CN99	BSNB_0240	Enterobacteriales	*Enterobacter*
Serratia_marcescens	CN101	BSNB_0242	Enterobacteriales	*Serratia*
Lysinibacillus_xylanilyticus	CN104	BSNB_0245	Bacillales	*Lysinibacillus*
Burkholderia_sp	CN105	BSNB_0246	Burkholderiales	*Burkholderia*
Streptomyces_malaysiense	CN115	BSNB_0256	Actinomycetales	*Streptomyces*
Paraburkholderia_tropica	A1F1 2	BSNB_0493	Burkholderiales	*Paraburkholderia*
Klebsiella_michiganensis	A1F1 3	BSNB_0494	Enterobacteriales	*Klebsiella*
Enterobacter_asburiae	A2F_1 1.1	BSNB_0517	Enterobacteriales	*Enterobacter*
Burkholderia_tropica	A2F_1 3	BSNB_0519	Burkholderiales	*Burkholderia*
Burkholderia_sp	A2F_1 5.2	BSNB_0521	Burkholderiales	*Burkholderia*
Burkholderia_tropica	A2F11 4	BSNB_0547	Burkholderiales	*Burkholderia*
Bacillus_thuringiensis	A3F_1 2	BSNB_0561	Bacillales	*Bacillus*
*Paraburkholderia_tropica_*	A3F_1 3	BSNB_0562	Burkholderiales	*Paraburkholderia*
*Paraburkholderia_tropica_*	A3F_1 6	BSNB_0565	Burkholderiales	*Paraburkholderia*
Bacillus_subtilis	A3F1 1	BSNB_0566	Bacillales	*Bacillus*
Bacillus_subtilis	A3F1 8.2	BSNB_0567	Bacillales	*Bacillus*
Bacillus_subtilis	A3F1 3	BSNB_0568	Bacillales	*Bacillus*
Pantoea_dispersa	A3F1 4.1	BSNB_0569	Enterobacteriales	*Pantoea*
Burkholderia_tropica	A3F1 5	BSNB_0570	Burkholderiales	*Burkholderia*
Burkholderia_tropica	A3F1 7	BSNB_0572	Burkholderiales	*Burkholderia*
Bacillus_subtilis	A3F1 8.111	BSNB_0573	Bacillales	*Bacillus*
Bacillus_subtilis	A3F1 2	BSNB_0576	Bacillales	*Bacillus*
Klebsiella_variicola	A4F1 1	BSNB_0591	Enterobacteriales	*Klebsiella*
Klebsiella_variicola	A4F1 2	BSNB_0592	Enterobacteriales	*Klebsiella*
Burkholderia_tropica	A4F1 3	BSNB_0593	Burkholderiales	*Burkholderia*
Klebsiella_variicola	A4F1 4	BSNB_0594	Enterobacteriales	*Klebsiella*
Klebsiella_variicola	A4F1 5	BSNB_0595	Enterobacteriales	*Klebsiella*

Burkholderia_plantarii	A4F1 6	BSNB_0596	Burkholderiales	*Burkholderia*
Burkholderia_plantarii	A4F1 7	BSNB_0597	Burkholderiales	*Burkholderia*
Klebsiella_variicola	A4F1 9	BSNB_0598	Enterobacteriales	*Klebsiella*
Burkholderia_sp	A5F_1 2	BSNB_0616	Burkholderiales	*Burkholderia*
Burkholderia_arvi	A5F_1 4	BSNB_0617	Burkholderiales	*Burkholderia*
Bacillus_cereus	A5F_1 6	BSNB_0618	Bacillales	*Bacillus*
Burkholderia_sp	A5F_1 3	BSNB_0619	Burkholderiales	*Burkholderia*
Burkholderia_tropica	A5F1 8	BSNB_0626	Burkholderiales	*Burkholderia*
Burkholderia_tropica	A5F10 2	BSNB_0630	Burkholderiales	*Burkholderia*
Burkholderia_tropica	A5F10 4	BSNB_0632	Burkholderiales	*Burkholderia*
Paraburkholderia_guartelaensis	A5F10 7	BSNB_0635	Burkholderiales	*Paraburkholderia*
Burkholderia_sp	A5F10 8	BSNB_0636	Burkholderiales	*Burkholderia*
Burkholderia_tropica	A5F10 11	BSNB_0639	Burkholderiales	*Burkholderia*
Burkholderia_oxyphila	A5F10 12	BSNB_0640	Burkholderiales	*Burkholderia*
Paenibacillus_glucanolyticus	A6F_1 1	BSNB_0643	Bacillales	*Paenibacillus*
Bacillus_sp	A6F1 4	BSNB_0648	Bacillales	*Bacillus*
Burkholderia_tropica	A6F16 4	BSNB_0656	Burkholderiales	*Burkholderia*
Burkholderia_tropica	A6F16 6	BSNB_0658	Burkholderiales	*Burkholderia*
Bacillus_subtilis	A6F16 7.1	BSNB_0659	Bacillales	*Bacillus*
Burkholderia_tropica	A6F16 8	BSNB_0661	Burkholderiales	*Burkholderia*
Burkholderia_tropica	A6F16 10	BSNB_0663	Burkholderiales	*Burkholderia*
Enterobacter_amnigenus	A7F_1 1	BSNB_0669	Enterobacteriales	*Enterobacter*
Pantoea_stewartii	A7F_1 3	BSNB_0671	Enterobacteriales	*Pantoea*
Pantoea_stewartii	A7F_1 4	BSNB_0672	Enterobacteriales	*Pantoea*
Enterobacter_mori	A7F_1 7	BSNB_0675	Enterobacteriales	*Enterobacter*
Bacillus_subtilis	A7F1 5.1	BSNB_0683	Bacillales	*Bacillus*
Bacillus_subtilis	A7F1 8	BSNB_0685	Bacillales	*Bacillus*
Stenotrophomonas_maltophilia	A8F_1 1	BSNB_0704	Xanthomonadales	*Stenotrophomonas*
Enterobacter_mori	A8F_1 3	BSNB_0706	Enterobacteriales	*Enterobacter*
Enterobacter_mori	A8F_1 5.1	BSNB_0708	Enterobacteriales	*Enterobacter*

Enterobacter_mori	A8F_1 6.1	BSNB_0709	Enterobacteriales	*Enterobacter*
Bacillus_subtilis	A8F_1 8	BSNB_0712	Bacillales	*Bacillus*
Bacillus_subtilis	A8F1 1	BSNB_0716	Bacillales	*Bacillus*
Luteibacter_yeojuensis	A8F1 6.1	BSNB_0719	Xanthomonadales	*Luteibacter*
Luteibacter_yeojuensis	A8F1 7	BSNB_0721	Xanthomonadales	*Luteibacter*
Bacillus_subtilis	A8F1 8	BSNB_0722	Bacillales	*Bacillus*
Enterobacter_mori	A8F11 1	BSNB_0723	Enterobacteriales	*Enterobacter*
Enterobacter_mori	A8F11 3	BSNB_0725	Enterobacteriales	*Enterobacter*
Enterobacter_mori	A8F11 4	BSNB_0726	Enterobacteriales	*Enterobacter*
Enterobacter_mori	A8F11 5	BSNB_0727	Enterobacteriales	*Enterobacter*
Bacillus_subtilis	A8F11 8	BSNB_0730	Bacillales	*Bacillus*
Bacillus_subtilis	C1F9 10	BSNB_0762	Bacillales	*Bacillus*
Bacillus_subtilis	P1F1 1	BSNB_0803	Bacillales	*Bacillus*
Bacillus_subtilis	P1F1 2	BSNB_0804	Bacillales	*Bacillus*
Methylobacterium_mesophilicum	P1F1 3	BSNB_0805	Rhizobiales	*Methylobacterium*
Bacillus_subtilis	P1F5 8	BSNB_0816	Bacillales	*Bacillus*
Bacillus_subtilis	P1F5 9	BSNB_0817	Bacillales	*Bacillus*
Bacillus_subtilis	W2F_2 1	BSNB_0955	Bacillales	*Bacillus*
Bacillus_subtilis	W2F_2 3	BSNB_0956	Bacillales	*Bacillus*
Bacillus_subtilis	W2F_2 9	BSNB_0959	Bacillales	*Bacillus*
Acidisoma_sp	W3F_3 8	BSNB_0978	Rhodospirillales	*Acidosoma*
Burkholderia_tropica	AC A2 F11 9.1B	BSNB_1020	Burkholderiales	*Burkholderia*
Methylobacterium_populi	VECD13D	BSNB_1022	Rhizobiales	*Methylobacterium*
Curtobacterium_sp	VECD14A	BSNB_1023	Actinomycetales	*Curtobacterium*
Pantoea_dispersa	VECD14B	BSNB_1024	Enterobacteriales	*Pantoea*
Bacillus_megaterium	VECD14C	BSNB_1025	Bacillales	*Bacillus*
Methylobacterium_sp	VECD14G	BSNB_1026	Rhizobiales	*Methylobacterium*
Asaia_sp	VECD15A	BSNB_1027	Rhodospirillales	*Asaia*
Pseudomonas_sp	ST5C	BSNB_1030	Pseudomonadales	*Pseudomonas*

Arthrobacter_sp	ST8C	BSNB_1032	Actinomycetales	*Arthrobacter*
Pantoea_agglomerans	ST16C	BSNB_1034	Enterobacteriales	*Pantoea*
Methylobacterium_mesophilicum	LR_FP43	BSNB_1116	Rhizobiales	*Methylobacterium*
Methylobacterium_mesophilicum	LR_FP51	BSNB_1123	Rhizobiales	*Methylobacterium*
Methylobacterium_mesophilicum	LR_FP67	BSNB_1136	Rhizobiales	*Methylobacterium*
Methylobacterium_mesophilicum	LR_FP68	BSNB_1137	Rhizobiales	*Methylobacterium*
Methylobacterium_mesophilicum	LR_FP74	BSNB_1141	Rhizobiales	*Methylobacterium*
Rhodococcus_kroppenstedtii	LR_FP135	BSNB_1179	Actinomycetales	*Rhodococcus*
Rhodococcus_kroppenstedtii	LR_FP150	BSNB_1190	Actinomycetales	*Rhodococcus*
Microbacterium_testaceum	LR_FP151	BSNB_1191	Actinomycetales	*Microbacterium*
Microbacterium_testaceum	LR_FP152	BSNB_1192	Actinomycetales	*Microbacterium*
Bacillus_subtilis	LR_FP171	BSNB_1207	Bacillales	*Bacillus*
Bacillus_subtilis	LR_FP172	BSNB_1208	Bacillales	*Bacillus*
Bacillus_subtilis	LR_FP174	BSNB_1209	Bacillales	*Bacillus*
Bacillus_subtilis	LR_FP175	BSNB_1210	Bacillales	*Bacillus*
Rhodococcus_cerastii	LR_EL13	BSNB_1220	Actinomycetales	*Rhodococcus*
Bacillus_subtilis	LR_EL109	BSNB_1238	Bacillales	*Bacillus*
Rhodococcus_cerastii	LR_EL133	BSNB_1246	Actinomycetales	*Rhodococcus*
Klebsiella_michiganensis	A1F2A1	NO_BSNB	Enterobacteriales	*Klebsiella*
Klebsiella_michiganensis	A4F1_12	NO_BSNB	Enterobacteriales	*Klebsiella*
Methylobacterium_mesophilicum	LRFP_069	NO_BSNB	Rhizobiales	*Methylobacterium*

TABLE S3. SUMMARY TABLE OF STUDIED FUNGAL STRAINS (BSNB)

Names	**ID**	**BSNB**	**Order**	**Genus**
Epicoccum_nigrum	GTG01	BSNB_0001	Pleosporales	*Epicoccum*
Colletotrichum_gloeosporioides	GTC2001	BSNB_0002	Glomerellales	*Colletotrichum*
Pestalotiopsis_sp	GTC2102	BSNB_0006	Xylariales	*Pestalotiopsis*
Pestalotiopsis_sp	GTC2104	BSNB_0008	Xylariales	*Pestalotiopsis*
Chaetomium_globosum	GTC2114	BSNB_0018	Sordariales	*Chaetomium*
Diaporthe_phaseolorum	GTC2201	BSNB_0020	Diaporthales	*Diaporthe*
Xylaria_cubensis	GPP02	BSNB_0022	Xylariales	*Xylaria*
Mycoleptodiscus_sp	GTC2304	BSNB_0024	Magnaporthales	*Mycoleptodiscus*
Colletotrichum_siamense	GTC2303	BSNB_0025	Glomerellales	*Colletotrichum*
Mycoleptodiscus_sp	GTC2304	BSNB_0026	Magnaporthales	*Mycoleptodiscus*
Colletotrichum_gloeosporioides	GTC2401	BSNB_0029	Glomerellales	*Colletotrichum*
Colletotrichum_boninense	GTC2502	BSNB_0032	Glomerellales	*Colletotrichum*
Diaporthe_phaseolorum	GTC2503	BSNB_0033	Diaporthales	*Diaporthe*
Colletotrichum_boninense	GTC2601	BSNB_0035	Glomerellales	*Colletotrichum*
Xylaria_cubensis	GTC2604	BSNB_0038	Xylariales	*Xylaria*
Colletotrichum_gloeosporioides	GTC2605	BSNB_0039	Glomerellales	*Colletotrichum*
Xylaria_sp	GTC2702	BSNB_0041	Xylariales	*Xylaria*
Guignardia_mangiferae	GTC2703	BSNB_0042	Botryosphaeriales	*Guignardia*
Pestalotiopsis_sp	GTC2704	BSNB_0043	Xylariales	*Pestalotiopsis*
Diaporthe_sp	GTC2705	BSNB_0044	Diaporthales	*Diaporthe*
Diaporthe_sp	GTC2708	BSNB_0047	Diaporthales	*Diaporthe*
Xylariales_sp	GTC2709	BSNB_0048	Xylariales	*Xylaria*
Xylariales_sp	GTC2711	BSNB_0050	Xylariales	*Xylaria*
Penicillium_sp	GVL02	BSNB_0051	Eurotiales	*Penicillium*
Phomopsis_sp	GTC2801	BSNB_0052	Diaporthales	*Phomopsis*
Phomopsis_phyllanthicola	GTC2804	BSNB_0055	Diaporthales	*Phomopsis*
Xylaria_cubensis	GTC2805	BSNB_0056	Xylariales	*Xylaria*
Phomopsis_sp	GTC2806	BSNB_0057	Diaporthales	*Phomopsis*

Diaporthe_phaseolorum	GTC2808	BSNB_0059	Diaporthales	*Diaporthe*
Diaporthe_phaseolorum	GTC2809	BSNB_0060	Diaporthales	*Diaporthe*
Phomopsis_sp	GTC2812	BSNB_0063	Diaporthales	*Phomopsis*
Phomopsis_sp	GTC2820	BSNB_0071	Diaporthales	*Phomopsis*
Chaetomium_sp	GTC2901	BSNB_0074	Sordariales	*Chaetomium*
Xylaria_sp	GTC2902	BSNB_0075	Xylariales	*Xylaria*
Acremonium_sp	GTC2903	BSNB_0076	Hypocreales	*Acremonium*
Pestalotiopsis_microspora	GTC2904	BSNB_0077	Xylariales	*Pestalotiopsis*
Chaetomium_sp	GTC2905	BSNB_0078	Sordariales	*Chaetomium*
Colletotrichum_gloeosporioides	GTC3003	BSNB_0085	Glomerellales	*Colletotrichum*
Guignardia_mangiferae	GSS01	BSNB_0087	Botryosphaeriales	*Guignardia*
Xylaria_cubensis	GSS02	BSNB_0088	Xylariales	*Xylaria*
Xylaria_cubensis	GSS04	BSNB_0089	Xylariales	*Xylaria*
Xylaria_cubensis	GSS05	BSNB_0090	Xylariales	*Xylaria*
Xylaria_cubensis	GSS06	BSNB_0091	Xylariales	*Xylaria*
Colletotrichum_sp	GSS08	BSNB_0093	Glomerellales	*Colletotrichum*
Diaporthe_phaseolorum	GSS09	BSNB_0094	Diaporthales	*Diaporthe*
Diaporthe_sp	GSS11	BSNB_0096	Diaporthales	*Diaporthe*
Colletotrichum_sp	GSS13	BSNB_0098	Glomerellales	*Colletotrichum*
Diaporthe_sp	GSS15	BSNB_0100	Diaporthales	*Diaporthe*
Pestalotiopsis_sp	GCI01	BSNB_0102	Xylariales	*Pestalotiopsis*
Xylaria_cubensis	GCI02	BSNB_0103	Xylariales	*Xylaria*
Xylaria_cubensis	LD1.6	BSNB_0106	Xylariales	*Xylaria*
Muscodor_sp	LD1.5	BSNB_0107	Xylariales	*Muscodor*
Guignardia_mangiferae	LD2.13	BSNB_0115	Botryosphaeriales	*Guignardia*
Colletotrichum_gloeosporioides	LD3.4	BSNB_0118	Glomerellales	*Colletotrichum*
Xylaria_cubensis	LD3.6.2	BSNB_0121	Xylariales	*Xylaria*
Cystobasidium_minutum	LR01	BSNB_0122	Saccharomycetales	*Cystobasidium*
Xylaria_sp	LD4.11	BSNB_0123	Xylariales	*Xylaria*
Colletotrichum_sp	LD4.3.2	BSNB_0124	Glomerellales	*Colletotrichum*

Candida_etchellsii	LD5.7	BSNB_0125	Saccharomycetales	*Candida*
Colletotrichum_gloeosporioides	LD8.10	BSNB_0132	Glomerellales	*Colletotrichum*
Colletotrichum_gloeosporioides	LD8.6	BSNB_0133	Glomerellales	*Colletotrichum*
Guignardia_mangiferae	LD8.9	BSNB_0135	Botryosphaeriales	*Guignardia*
Rhizomucor_variabilis	CN16	BSNB_0154	Mucorales	*Rhizomucor*
Rhizomucor_variabilis	CN17	BSNB_0155	Mucorales	*Rhizomucor*
Penicillium_shearii	CN29	BSNB_0167	Eurotiales	*Penicillium*
Penicillium_simplicissimum	CN30	BSNB_0168	Eurotiales	*Penicillium*
Candida_tropicalis	CN36A	BSNB_0174	Saccharomycetales	*Candida*
Rhizomucor_variabilis	CN36B	BSNB_0175	Mucorales	*Rhizomucor*
Rhizomucor_variabilis	CN37B	BSNB_0177	Mucorales	*Rhizomucor*
Cladosporium_sp	CN56	BSNB_0196	Capnodiales	*Cladosporium*
Penicillium_sanguifluum	CN57	BSNB_0197	Eurotiales	*Penicillium*
Exophiala_xenobiotica	CN60bis	BSNB_0201	Chaetothyriales	*Exophiala*
Pseudallescheria_boydii	CN71	BSNB_0212	Microascales	*Pseudallescheria*
Scedosporium_boydii	CN75	BSNB_0216	Microascales	*Scedosporium*
Penicillium_citrinum	CN77	BSNB_0218	Eurotiales	*Penicillium*
Paecilomyces_formosus	CN79	BSNB_0220	Eurotiales	*Paecilomyces*
Scedosporium_boydii	CN81	BSNB_0222	Microascales	*Scedosporium*
Paecilomyces_formosus	CN83	BSNB_0224	Eurotiales	*Paecilomyces*
Pestalotiopsis_microspora	CN84	BSNB_0225	Xylariales	*Pestalotiopsis*
Pseudallescheria_boydii	CN85	BSNB_0226	Microascales	*Pseudallescheria*
Aspergillus_aculeatus	CN86	BSNB_0227	Eurotiales	*Aspergillus*
Penicillium_rubidurum	CN87	BSNB_0228	Eurotiales	*Penicillium*
Penicillium_araracuarense	CN102	BSNB_0243	Eurotiales	*Penicillium*
Penicillium_araracuarense	CN103	BSNB_0244	Eurotiales	*Penicillium*
Aspergillus_sp	CN109	BSNB_0250	Eurotiales	*Aspergillus*
Penicillium_sp	CN112	BSNB_0253	Eurotiales	*Penicillium*

Paecilomyces_formosus	CN122	BSNB_0263	Eurotiales	*Paecilomyces*
Rhizomucor_variabilis	CN125	BSNB_0266	Mucorales	*Rhizomucor*
Acrodictys_sp	A3F8 11.1	BSNB_0283	Hypocreales	*Acrodictys*
Ochroconis_sp	A5F_1 3	BSNB_0284	Venturiales	*Ochroconis*
Ochroconis_sp	A5F_1 5	BSNB_0285	Venturiales	*Ochroconis*
Sordariomycetes_sp	A5F1 13	BSNB_0287	Sordariales	*Sordariomycetes*
Paramicrothyrium_sp	A5F1 9	BSNB_0289	Microthyriales	*Paramicrothyrium*
Colletotrichium_gloeosporioides	A5F1 12	BSNB_0290	Glomerellales	*Colletotrichum*
Apioclypea_sp	A5F1 15	BSNB_0292	Xylariales	*Apioclypea*
Penicillium_sp	A5F1 10.1	BSNB_0293	Eurotiales	*Penicillium*
Chaetomium_sp	A6F1 9	BSNB_0295	Sordariales	*Chaetomium*
Chaetomium_sp	A6F1 12	BSNB_0296	Sordariales	*Chaetomium*
Penicillium_sp	A6F1 13	BSNB_0298	Eurotiales	*Penicillium*
Muscodor_sp	A6F1 19	BSNB_0299	Xylariales	*Muscodor*
Xylaria_sp	A6F1 8.2	BSNB_0300	Xylariales	*Xylaria*
Albonectria_rigidiuscula	A8F_1 9.1	BSNB_0301	Hypocreales	*Albonectria*
Fusarium_sp	A8F_1 9.2	BSNB_0302	Hypocreales	*Fusarium*
Fusarium_sp	A8F_1 13	BSNB_0303	Hypocreales	*Fusarium*
Sordariomycetes_sp	A8F1 2	BSNB_0304	Sordariales	*Sordariomycetes*
Chaetomium_sp	A8F1 5	BSNB_0305	Sordariales	*Chaetomium*
Oxydothis_sp	A1F12 12	BSNB_0516	Xylariales	*Oxydothis*
Diaporthe_sp	A2F_1 4.1	BSNB_0520	Diaporthales	*Diaporthe*
Stereum_hirsutum	A2F_1 7	BSNB_0523	Russulales	*Stereum*
Pseudopestalotiopsis_sp	A2F_1 10	BSNB_0526	Xylariales	*Pseudopestalotiopsis*
Endomelanconiopsis_endophytica	A2F1 1	BSNB_0528	Botryosphaeriales	*Endomelanconiopsis*
Colletotrichium_gloeosporioides	A2F1_2	BSNB_0529	Glomerellales	*Colletotrichum*
Colletotrichum_gloeosporioides	A2F1 3.1	BSNB_0530	Glomerellales	*Colletotrichum*
Stereum_hirsutum	A2F1 3.2	BSNB_0531	Russulales	*Stereum*
Stereum_hirsutum	A2F1 4.1	BSNB_0532	Russulales	*Stereum*
Nodulisporium_sp	A2F1 6	BSNB_0534	Xylariales	*Nodulisporium*

Colletotrichum_gloeosporioides	A2F1 8	BSNB_0536	Glomerellales	*Colletotrichum*
Colletotrichum_gloeosporioides	A2F1 9	BSNB_0537	Glomerellales	*Colletotrichum*
Colletotrichum_gloeosporioides	A2F1 10.22	BSNB_0538	Glomerellales	*Colletotrichum*
Nemania_sp	A2F1 11	BSNB_0539	Xylariales	*Nemania*
Colletotrichum_gloeosporioides	A2F1 12	BSNB_0540	Glomerellales	*Colletotrichum*
Diaporthe_sp	A2F1 13	BSNB_0541	Diaporthales	*Diaporthe*
Clonostachys_sp	A2F11 3	BSNB_0546	Hypocreales	*Clonostachys*
Stereum_hirsutum	A2F11 6.11	BSNB_0532	Russulales	*Stereum*
Colletotrichum_sp	A2F11 6.21	BSNB_0549	Glomerellales	*Colletotrichum*
Stereum_hirsutum	A2F11 7	BSNB_0550	Russulales	*Stereum*
Colletotrichum_gloeosporioides	A2F11_8	BSNB_0551	Glomerellales	*Colletotrichum*
Neopestalotiopsis_sp	A2F11 12.1	BSNB_0556	Xylariales	*Neopestalotiopsis*
Colletotrichum_vietnamense	A2F11 13	BSNB_0557	Glomerellales	*Colletotrichum*
Colletotrichum_gleoesporioides	A2F11 15	BSNB_0559	Glomerellales	*Colletotrichum*
Colletotrichum_gloeosporioides	A3F1 8.121	BSNB_0574	Glomerellales	*Colletotrichum*
Fusarium_concolor	A3F1 8.13	BSNB_0575	Hypocreales	*Fusarium*
Diaporthe_sp	A3F1 9	BSNB_0577	Diaporthales	*Diaporthe*
Diaporthe_sp	A3F1 10	BSNB_0578	Diaporthales	*Diaporthe*
Cladosporium_cladosporioides	A3F1 11	BSNB_0579	Capnodiales	*Cladosporium*
Colletotrichum_gloeosporioides	A3F8 1	BSNB_0580	Glomerellales	*Colletotrichum*
Fusarium_sp	A3F8 2	BSNB_0581	Hypocreales	*Fusarium*
Endomelanconiopsis_endophytica	A3F8 3	BSNB_0582	Botryosphaeriales	*Endomelanconiopsis*
Colletotrichum_sp	A3F8 4	BSNB_0583	Glomerellales	*Colletotrichum*
Endomelanconiopsis_endophytica	A3F8 6	BSNB_0584	Botryosphaeriales	*Endomelanconiopsis*
Xylaria_sp	A3F8 5.2	BSNB_0586	Xylariales	*Xylaria*
Endomelanconiopsis_sp	A3F8 8	BSNB_0587	Botryosphaeriales	*Endomelanconiopsis*
Endomelanconiopsis_endophytica	A3F8 9	BSNB_0588	Botryosphaeriales	*Endomelanconiopsis*
Cladosporium_sp	A3F8 10	BSNB_0589	Capnodiales	*Cladosporium*
Colletotrichum_gloeosporioides	A3F8 12	BSNB_0590	Glomerellales	*Colletotrichum*

Colletotrichum_fructicola	A5F_1 1	BSNB_0615	Glomerellales	*Colletotrichum*
Colletotrichum_gloeosporioides	A5F1 3	BSNB_0622	Glomerellales	*Colletotrichum*
Colletotrichum_gloeosporioides	A5F1 3	BSNB_0623	Glomerellales	*Colletotrichum*
Thanatephorus_cucumeris	A5F1 5	BSNB_0624	Cantharellales	*Thanatephorus*
Colletotrichium_gloeosporioides	A5F1 6.1	BSNB_0625	Glomerellales	*Colletotrichum*
Colletotrichum_sp	A5F1 11	BSNB_0627	Glomerellales	*Colletotrichum*
Colletotrichum_theobromicola	A5F1 17	BSNB_0628	Glomerellales	*Colletotrichum*
Colletotrichum_theobromicola	A5F10 9	BSNB_0637	Glomerellales	*Colletotrichum*
Cladosporium_cladosporioides	A5F10 10	BSNB_0638	Capnodiales	*Cladosporium*
Colletotrichum_gloeosporioides	A5F10 13	BSNB_0641	Glomerellales	*Colletotrichum*
Hypoxylon_investiens	A5F10 14.1	BSNB_0642	Xylariales	*Hypoxylon*
Diaporthe_sp	A6F_1 2	BSNB_0644	Diaporthales	*Diaporthe*
Colletotrichum_theobromicola	A6F_1 3	BSNB_0645	Glomerellales	*Colletotrichum*
Colletotrichum_gloeosporioides	A6F1 1	BSNB_0646	Glomerellales	*Colletotrichum*
Fusarium_sp	A6F1 2	BSNB_0647	Hypocreales	*Fusarium*
Colletotrichum_gloeosporioides	A6F1 5.1	BSNB_0649	Glomerellales	*Colletotrichum*
Colletotrichum_gloeosporioides	A6F1 7	BSNB_0650	Glomerellales	*Colletotrichum*
Fusarium_sp	A6F1 10	BSNB_0651	Hypocreales	*Fusarium*
Colletotrichum_theobromicola	A6F1 11	BSNB_0652	Glomerellales	*Colletotrichum*
Colletotrichum_gloeosporioides	A6F1 15.2	BSNB_0653	Glomerellales	*Colletotrichum*
Colletotrichum_gloeosporioides	A6F1 16.1	BSNB_0654	Glomerellales	*Colletotrichum*
Colletotrichum_gloeosporioides	A6F16 2	BSNB_0655	Glomerellales	*Colletotrichum*
Thanatephorus_cucumeris	A6F16 7.2	BSNB_0660	Cantharellales	*Thanatephorus*
Colletotrichum_gloeosporioides	A6F16 9.1	BSNB_0662	Glomerellales	*Colletotrichum*
Acutodesmus_obliquus	A6F16 7.2	BSNB_0664	Sphaeropleales	*Acutodesmus*
Nodulisporium_sp	A6F16 13	BSNB_0666	Xylariales	*Nodulisporium*
Cladosporium_herbarum	A6F16 15	BSNB_0668	Capnodiales	*Cladosporium*
Fusarium_lateritium	A7F_1 10	BSNB_0678	Hypocreales	*Fusarium*
Diaporthe_sp	A7F1 1	BSNB_0679	Diaporthales	*Diaporthe*

Endomelanconiopsis_endophytica	A7F1 2	BSNB_0680	Botryosphaeriales	*Endomelanconiopsis*
Endomelanconiopsis_endophytica	A7F1 3	BSNB_0681	Botryosphaeriales	*Endomelanconiopsis*
Colletotrichum_siamense	A7F1 4	BSNB_0682	Glomerellales	*Colletotrichum*
Endomelanconiopsis_endophytica	A7F1 6	BSNB_0684	Botryosphaeriales	*Endomelanconiopsis*
Fusarium_avenaceum	A7F1 9	BSNB_0686	Hypocreales	*Fusarium*
Diaporthe_sp	A7F1 10	BSNB_0687	Diaporthales	*Diaporthe*
Colletotrichum_gloeosporioides	A7F1 11	BSNB_0688	Glomerellales	*Colletotrichum*
Penicillium_verrucosum	A7F10 1	BSNB_0691	Eurotiales	*Penicillium*
Endomelanconiopsis_endophytica	A7F10 2	BSNB_0692	Botryosphaeriales	*Endomelanconiopsis*
Endomelanconiopsis_endophytica	A7F10 3	BSNB_0693	Botryosphaeriales	*Endomelanconiopsis*
Colletotrichum_theobromicola	A7F10 6.1	BSNB_0694	Glomerellales	*Colletotrichum*
Colletotrichum_theobromicola	A7F10 7.1	BSNB_0695	Glomerellales	*Colletotrichum*
Colletotrichum_gloeosporioides	A7F10 8	BSNB_0696	Glomerellales	*Colletotrichum*
Colletotrichum_theobromicola	A7F10 11	BSNB_0699	Glomerellales	*Colletotrichum*
Apioclypea_sp	A7F10 12	BSNB_0700	Xylariales	*Apioclypea*
Colletotrichum_gloeosporioides	A7F10 13.1	BSNB_0701	Glomerellales	*Colletotrichum*
Fusarium_lateritium	A7F10 13.2	BSNB_0702	Hypocreales	*Fusarium*
Colletotrichum_theobromicola	A7F10 14.2	BSNB_0703	Glomerellales	*Colletotrichum*
Fusarium_lateritium	A8F_1 4	BSNB_0707	Hypocreales	*Fusarium*
Harknessia_australiensis	A8F1 3	BSNB_0717	Xylariales	*Harknessia*
Xylaria_sp	A8F1 4	BSNB_0718	Xylariales	*Xylaria*
Oxydothis_sp	A8F1 6.2	BSNB_0720	Xylariales	*Oxydothis*
Endomelanconiopsis_endophytica	A8F11 9	BSNB_0731	Botryosphaeriales	*Endomelanconiopsis*
Akanthomyces_attenuatus	A8F11 10	BSNB_0732	Hypocreales	*Akanthomyces*
Endomelanconiopsis_endophytica	A8F11 11	BSNB_0733	Botryosphaeriales	*Endomelanconiopsis*
Colletotrichum_gloeosporioides	AC A2 F11 9.21	BSNB_1019	Glomerellales	*Colletotrichum*
Colletotrichum_theobromicola	VECD4B	BSNB_1021	Glomerellales	*Colletotrichum*
Pestalotiopsis_sp	VECD4A	BSNB_1036	Xylariales	*Pestalotiopsis*
Pestalotiopsis_sp	VECD4C	BSNB_1037	Xylariales	*Pestalotiopsis*

Beauveria_bassiana	VECD6B	BSNB_1038	Hypocreales	*Beauveria*
Trichoderma_sp	VECD6D	BSNB_1040	Hypocreales	*Trichoderma*
Beauveria_bassiana	VECD6E	BSNB_1041	Hypocreales	*Beauveria*
Beauveria_bassiana	VECD11A	BSNB_1042	Hypocreales	*Beauveria*
Mucor_sp	VECD11D	BSNB_1043	Mucorales	*Mucor*
Penicillium_sp	VECD11E	BSNB_1044	Eurotiales	*Penicillium*
Penicillium_sp	VECD11F	BSNB_1045	Eurotiales	*Penicillium*
Penicillium_simplicissimum	VECD11G	BSNB_1046	Eurotiales	*Penicillium*
Neosartorya_sp	VECD13B	BSNB_1048	Eurotiales	*Neosartorya*
Penicillium_oxalicum	VECD13C	BSNB_1049	Eurotiales	*Penicillium*
Beauveria_bassiana	VECD16B	BSNB_1053	Hypocreales	*Beauveria*
Pestalotiopsis_theae	VECD14E	BSNB_1054	Xylariales	*Pestalotiopsis*
Fusarium_sp	ST1C	BSNB_1055	Hypocreales	*Fusarium*
Lecanicillium_sp	ST4C	BSNB_1056	Hypocreales	*Lecanicillium*
Fusarium_sp	ST7C	BSNB_1057	Hypocreales	*Fusarium*
Fusarium_sp	ST9C	BSNB_1058	Hypocreales	*Fusarium*
Arthrinium_sp	ST10C	BSNB_1059	Sordariales	*Arthrinium*
Penicillium_sp	ST12C	BSNB_1061	Hypocreales	*Penicillium*
Mucor_hiemalis	ST15C	BSNB_1063	Mucorales	*Mucor*
Fusarium_sp	ST18C	BSNB_1065	Hypocreales	*Fusarium*
Penicillium_sp	ST21C	BSNB_1067	Eurotiales	*Penicillium*
Beauveria_sp	CLL14070	BSNB_1069	Hypocreales	*Beauveria*
Isaria_farinosa	CLL10038	BSNB_1250	Hypocreales	*Isaria*
Cordyceps_militaris	CLL10030	BSNB_1252	Hypocreales	*Cordyceps*
Ophiocordyceps_forquignonii	CLL11056	BSNB_1253	Hypocreales	*Ophiocordyceps*

TABLE S4. 16S OF STUDIED BACTERIAL STRAINS (BSNB)

>BSNB_0016_ Bacillus_cereus

CCCGCGTCGCATTAGCTAGTTGGTGAGGTAACGGCTCACCAAGGCAACGATGCGTAGCCGA
CCTGAGAGGGTGATCGGCCACACTGGGACTGAGACACGGCCCAGACTCCTACGGGAGGCA
GCAGTAGGGAATCTTCCGCAATGGACGAAAGTCTGACGGAGCAACGCCGCGTGAGTGATGA
AGGCTTTCGGGTCGTAAAACTCTGTTGTTAGGGAAGAACAAGTGCTAGTTGAATAAGCTGGC
ACCTTGACGGTACCTAACCAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATAC
GTAGGTGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGCGCGCGCAGGTGGTTTCTTAAGT
CTGATGTGAAAGCCCACGGCTCAACCGTGGAGGGTCATTGGAAACTGGGAGACTTGAGTGC
AGAAGAGGAAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACAC
CAGTGGCGAAGGCGACTTTCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCA
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TTCCGCCCTTTAGTGCTGAAGTTAACGCATTAAGCACTCCGCC

>BSNB_0034_ Brevibacillus_sp

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GCCGACCTGAGAGGGTGACCGGCCACACTGGGACTGAGACACGGCCCAGACTCCTACGGG
AGGCAGCAGTAGGGAATTTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAAC
GATGAAGGTCTTCGGATTGTAAAGTTCTGTTGTTAGGGACGAATAAGTACCGTTCGAATAGG
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AATACA

>BSNB_0053_ Bacillus_sp

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GGGTAGCCGGCCTGACAGGGTGGCCGACCACTTTGGGACTGAGATACAGCCCACACTCATA
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>BSNB_0139_ Serratia_sp

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CGGTAGCTAATACCGCATAACGTCGCARGACCAAAGAGGGGGACCTTCGGGCCTCTTGCCA
TCAGATGTGCCCAGATGGGATTAGCTAGTAGGTGGGGTAATGGCTCACCTAGGCAACRATSC
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>BSNB_0140_ Serratia_marcescens

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>BSNB_0143_ Burkholderia_seminalis

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>BSNB_0150_ Pseudomonas_beteli

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GAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAAC

GATGCGAACTGGATGTTGGGTGCAATTTGGCACGCAGTATCGAAGCTAACGCGTTAAGTTCG
CCG

>BSNB_0152_ Serratia_marcescens

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>BSNB_0153_ Achromobacter_sp

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GCGGCCGATATCGGATTAGCTAGTTGGTGGGGTAACGGCTCACCAAGGCGACGATCCGTAG
CTGGTTTGAGAGGACGACCAGCCACACTGGGACTGAGACACGGCCCAGACTCCTACGGGAG
GCAGCAGTGGGGAATTTTGGACAATGGGGGAAACCCTGATCCAGCCATCCCGCGTGTGCGA
TGAAGGCCTTCGGGTTGTAAAGCACTTTTGGCAGGAAAGAAACGTCATGGGTTAATACCCC
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>BSNB_0158_ Burkholderia_sp

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>BSNB_0494_ Klebsiella_michiganensis

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>BSNB_0519_ Burkholderia_tropica

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>BSNB_0561_ Bacillus_thuringiensis

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>BSNB_0565_ Paraburkholderia_tropica

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>BSNB_0569_ Pantoea_dispersa

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>BSNB_0591_ Klebsiella_variicola

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>BSNB_0592_ Klebsiella_variicola

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CCTTCCGTAGGTGAACCTGCGGAAGGATCATTACCGAGTGCGGGCCCTCGCGGCCCAACCTC
CCACCCTTGTCTCTCTACACCTGTTGCTTTGGCGGGCCCACCGGGGCCACCCGGTCGCCGGG
GGACGCTCGTCCCCGGGCCCGCGCCCGCCGAAGCGCCCTGTGAACCCTGATGAAGATGGAC
TGTCTGAGTACCATGAAAATTGTCAAAACTTTCAACAATGGATCTCTTGGTTCCGGCATCGAT
GAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATTCCGTGAATCATCGAATC
TTTGAACGCACATTGCGCCCCCTGGCATTCCGGGGGGCATGCCTGTCCGAGCGTCATTTCTGC
CCTCAAGCACGGCTTGTGTGTTGGGTGCGGTCCCCCCGGGGACCTGCCCGAAAGGCAGCGG
CGACGTCCGTCCGGTCCTCGAGCGTATGGGGCTTTGTCACTCGCTCGGGAAGGACCTGCGGG
GCGTTGGTCACCACCATATTTGACCTACGGCTGATTACCC

>BSNB_1069_Beauveria_sp

CTACCAACCCTTATGTGACCTACCTATCGTTGCTTCGGCGGACTCGCCCCAGCCGGACGCGG
ACTGGACCAGCGGCCGCCGGGGACCATCAAACTCTTGTATTATCAGCATCTTCTGAATACGC
CGCAWGGCAAAACAAATAAATTAAAACTTTCAACAACGGATCTCTTGGCTCTGGCATCGAT
GAAGAACGCAGCGAAATGCGATAAGTAATGTGAATTGCAGAATCCAGTGAATCATCGAATC
TTTGAACGCACATTGCGCCCGCCAGCATTCTGGCGGGCATGCCTGTTCGAGCGTCATTTCAA
CCCTCGACCTCCCTTTGGGGAAGTCGGCGTTGGGGACCGGCAGCACACCGCCGGCCCTGAA
ATGGAGTGGCGGCCCGTCCGCGGCGACCTCTGCGTAGTAAACCAACTCGCACCGGAACCCC
GACGTGGCCACGCCGTAAAACACCCAACTTCTGAACGTTGACCTCGAATCAGGTAGGACTA
CCCGCTGAACTTAAGCATATCAATAAGCCGGAGGA
>BSNB_1250_Isaria_farinosa

GCGGAGGGATCATTACCGAGTTTTCAACTCCCAAACCCTTTTGTGAACATACCTATCGTTGCT
TCGGCGGACTCGCCCCAGCGTCCGGCCGGCCCCGCGCCGGCCGCGGCCTGGATCCAGGCGG
CCGCCGGAGACCCCCAAACTCTGTATTCTCAGTATCTTCTGAATCCGCCGCAAGGCAAAACA
AATGAATCAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGCGA
AATGCGATAAGTAATGTGAATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTG
CGCCCGCCAGCATTCTGGCGGGCATGCCTGTTCGAGCGTCATTTCAACCCTCGACTTCCCTTT
GGGGAAATCGGCGTTGGGGACCGGCCGTATACCGCCGGCCCCGAAATGAAGTGGCGGCCC
GTCCGCGGCGACCTCTGCGTAGTAATCCAACTCGCACCGGAACCCCGACGTGGCCACGCCG
TAAAACCCCCGACTTCTGAACGTTGACCTCGGATCAGGTAGGAATACCCGCTGAACTTAAGC
ATATCA
>BSNB_1252_Cordyceps_militaris

GCGGAGGGATCATTAACGAGTTTCCCAACTCCCAACCCTTTGTGAACATACCTATCGTTGCTT
CGGCGGACTCGCCCAGCGCCTGGACGCGGGCCTGGGCGGCGGCCGTCGGGGGCCCCAAAC
ACTGTATCTACCAGTTTTTCTGAATCCGCCGCAAGGCAAAACAAATGAATCAAAACTTTCAA
CAACGGATCTCTTGGCTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGTGA
ATTGCAGAATTCAGTGAATCATCGAATCTTTGAACGCACATTGCGCCCGCCAGCATTCTGGC
GGGCATGCCTGTTCGAGCGTCATTTCAACCCTCGACGTCCCCTGGGGGATGTCGGCGTTGGG
GACCGGCAGCACACCGCCGCCCCCGAAATGAAGTGGCGGCCCGTCCGCGGCGACCTCTGCG
TAGTACCCCAACTCGCACCGGGAACCCGACGTGGCCACGCCGTAAAACGCCCAACTCTGAA
CGTTGACCTCGGATCAGGTAGGAATACCCGCTGAACTTAAGCATATC

>BSNB_1253_Ophiocordyceps_forquignonii

GCGGAGGGATCATTACTGAGTGTTAAAACTCTCTAACCCCCTATGTGATTACTACCATTTTTA
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AGAGGGGCGCTGCTCCCCCCTCTCCCCCGCTGCCGGTGGAAACCACTATAATCTATATTTCA

TCTATTGAGTCTTCTGAGTTTTATAATACAAAACGCATAAAAACTTTCAGCAACGGATCTCTT
GGCTCTGGCATCGATGAAGAACGCAGCGAAATGCGATAAGTAATGCGAATTGTAGATTTCA
GTGAGTCATCGAATCTTTGAACGCACATTGCGCCTGCTGGCCATTCCAGCAGGCATGCCTGT
CCGAGCGTCATTATCAACCCCTCTCAGGCTTTCTTATAGGGTTTTAATAGGACCCTATATCGA
TTGACTGGCACCTGGAGATTGGCCGTGCCCCTCTTGTTTTTTTCTTAAAACCAAGGGGGAAGG
CCAGCTCTGAAATACAGTGGCGACTCGAGGTCTTACTTCTTCCCCTGGCAGTAAAACTCTTG
CTCGCAACGGGACTAGTGACCTTGTGTTAGCCATCTTAACACCCTAT

FIGURE S1. R SCRIPT USED: GENERATION OF A .MGF AND .CSV FILES

```
```{r setup, include=FALSE}

library(MALDIquant)

library(MALDIquantForeign)


path <- "C:/Users/Desktop/…" #enter directory path

setwd(path)


spectra <- import(path, verbose=FALSE, excludePattern = NULL)


liste_fichiers <- list.files(path)

NameListe = as.list(liste_fichiers)

condition = c(15,       ## HwS

              30,       ## baseline

              6,        ## SnR

              2000, 20000)     ## Trim

spectra2 = transformIntensity(spectra, method="sqrt")

spectra2 = trim(spectra2, range = c(condition[4], condition[5] ))

spectra2 = smoothIntensity(spectra2, method="SavitzkyGolay",

                           halfWindowSize=condition[1])

spectra2 <- removeBaseline(spectra2, method="SNIP",

                           iterations=condition[2])

spectra2 <- calibrateIntensity(spectra2, method="TIC")

peaks <- detectPeaks(spectra2, SNR=condition[3],
halfWindowSize=condition[1])

a = plot(peaks[[1]])


peaks <- binPeaks(peaks)


liste = list()
```
```

```
mgf <- paste(path, ".mgf", sep = "")

for (i in 1:length(peaks)) {

    test = matrix(data = NA, nrow = length(peaks[[i]]@mass), ncol= 2)

    colnames(test) = c("m/z", "intensity")

    test[,1] = peaks[[i]]@mass

    test[,2] = peaks[[i]]@intensity



    write.table("BEGIN IONS", file = mgf, append = TRUE, quote = FALSE, sep
= "\t ", row.names = FALSE, col.names = FALSE)

    write.table("PEPMASS=0", file = mgf,  append = TRUE, quote = FALSE, sep
= "\t ", row.names = FALSE, col.names = FALSE)



    write.table(list(test), file = mgf,  append = TRUE, quote = FALSE, sep
= "\t ", row.names = FALSE, col.names = FALSE)

    write.table("END IONS", file = mgf,  append = TRUE, quote = FALSE, sep
= "\t ", row.names = FALSE, col.names = FALSE)

    write.table("", file = mgf,  append = TRUE, quote = FALSE, sep = "\t ",
row.names = FALSE, col.names = FALSE)

}



csv <- paste(path, ".txt", sep = "")

for (i in 1:length(liste_fichiers)) {

    write.table(liste_fichiers[i], file = csv, append = TRUE, quote =
FALSE, sep = "\t ", eol = "\n", na = "NA", dec = ".", row.names = FALSE,
col.names = FALSE, qmethod = c("escape", "double"))

}
```

TABLE S6. PARAMETERS USED FOR CONSTRUCTING CHEMOTAXONOMIC NETWORKS ON METGEM

Figures	**Treat as MS^1 Data**	***m/z* Tolerance**	**Minimum Matched Peaks**	**Keep peaks above**	**Cosine score(s) above**	**Number of iterations**	**Learning Rate**	**Perplexity**
2	Used	2	2	1%	0.65	10 000	10	11
3	Used	2	2	1%	0.4	10 000	10	11
4	Used	0.1	4	1%	0.65	10 000	10	11
5	Used	4	2	1%	0.35	10 000	10	16
6	Used	0.1	4	1%	0.45	10 000	10	11