

Table S1 - Isolated strains ID, affiliation, phyla and 16S rRNA gene GenBank accession number.

Strain ID	Affiliation (according to EzBioCloud)		Phylum	GenBank 16S rRNA gene Accession Number
	%	Taxonomic unit		
PMIC_1E12B	100.00	<i>Arthrobacter gandavensis</i> R 5812	Actinomycetota	MW740015
PMIC_1F10B.1	100.00	<i>Arthrobacter gandavensis</i> R 5812	Actinomycetota	MW740020
PMIC_1F10C.1	100.00	<i>Arthrobacter gandavensis</i> R 5812	Actinomycetota	MW740021
PMIC_2F9	100.00	<i>Arthrobacter gandavensis</i> R 5812	Actinomycetota	MW740074
PMIC_1D8B	100.00	<i>Corynebacterium marinum</i> DSM 44953	Actinomycetota	MW740010
PMIC_1C11A	100.00	<i>Dietzia maris</i> DSM 43672	Actinomycetota	MW740000
PMIC_1C5B.1	100.00	<i>Dietzia maris</i> DSM 43672	Actinomycetota	MW740004
PMIC_1H7A	100.00	<i>Kocuria polaris</i> CMS 76or	Actinomycetota	MW740027
PMIC_1C1B	98.48	<i>Microbacterium diaminobutyricum</i> RZ63	Actinomycetota	MW740003
PMIC_1A10A	100.00	<i>Microbacterium flavum</i> YM18-098	Actinomycetota	MW739985
PMIC_1C7A	99.92	<i>Microbacterium phyllosphaerae</i> DSM 13468	Actinomycetota	MW740005
PMIC_1E12A	99.44	<i>Micromonospora citrea</i> DSM 43903	Actinomycetota	MW740014
PMIC_1A10B	99.82	<i>Nocardia nova</i> NBRC 15556	Actinomycetota	MW739986
PMIC_1A11B.1	99.92	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW739987
PMIC_1A11B.2	100.00	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW739988
PMIC_1F6A.1	99.77	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW740024
PMIC_1F6A.2	99.76	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW740025
PMIC_1F6A3	99.76	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW740026
PMIC_2A11A.1	99.92	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW740030
PMIC_2A11A.2	100.00	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW740031
PMIC_2A11B.1	100.00	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW740032
PMIC_2A11B.2	100.00	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW740033
PMIC_2A11B.3	100.00	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW740034
PMIC_2F6A	99.76	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW740071
PMIC_2F6B	99.76	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW740072
PMIC_2F6C	99.77	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW740073
PMIC_2H2A	100.00	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW740077
PMIC_2H2C.1	100.00	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW740078
PMIC_2H2C.2	100.00	<i>Nocardiopsis alba</i> DSM 43377	Actinomycetota	MW740079
PMIC_1D11B	99.84	<i>Nocardiopsis prasina</i> DSM 43845	Actinomycetota	MW740009
PMIC_2B1A	99.85	<i>Nocardiopsis prasina</i> DSM 43845	Actinomycetota	MW740039
PMIC_2B1C	99.82	<i>Nocardiopsis prasina</i> DSM 43845	Actinomycetota	MW740040
PMIC_2B1D	99.85	<i>Nocardiopsis prasina</i> DSM 43845	Actinomycetota	MW740041
PMIC_2D10A	99.84	<i>Nocardiopsis prasina</i> DSM 43845	Actinomycetota	MW740052
PMIC_2D10B.1	99.75	<i>Nocardiopsis prasina</i> DSM 43845	Actinomycetota	MW740053
PMIC_2D10B.2	99.84	<i>Nocardiopsis prasina</i> DSM 43845	Actinomycetota	MW740054
PMIC_2D10C	99.84	<i>Nocardiopsis prasina</i> DSM 43845	Actinomycetota	MW740055
PMIC_2F12A	99.82	<i>Nocardiopsis prasina</i> DSM 43845	Actinomycetota	MW740068
PMIC_2C3B.1	99.11	<i>Nocardiopsis umidischolae</i> 66/93	Actinomycetota	MW740045

PMIC_2C3B.2	99.11	<i>Nocardiosis umidischolae</i> 66/93	<i>Actinomycetota</i>	MW740046
PMIC_2C3B.3	99.19	<i>Nocardiosis umidischolae</i> 66/93	<i>Actinomycetota</i>	MW740047
PMIC_2C3B.4	99.20	<i>Nocardiosis umidischolae</i> 66/93	<i>Actinomycetota</i>	MW740048
PMIC_2H6	99.81	<i>Plantibacter flavus</i> VKM Ac-2504	<i>Actinomycetota</i>	MW740080
PMIC_1E10C	99.69	<i>Rhodococcus coprophilus</i> NBRC 100603	<i>Actinomycetota</i>	MW740013
PMIC_2E10	99.69	<i>Rhodococcus coprophilus</i> NBRC 100603	<i>Actinomycetota</i>	MW740062
PMIC_1E9B	100.00	<i>Rhodococcus erythropolis</i> NBRC 15567	<i>Actinomycetota</i>	MW740017
PMIC_2E9B.1	100.00	<i>Rhodococcus erythropolis</i> NBRC 15567	<i>Actinomycetota</i>	MW740066
PMIC_2E9C	99.76	<i>Rhodococcus qingshengii</i> JCM 15477	<i>Actinomycetota</i>	MW740067
PMIC_2A12A.1	99.68	<i>Streptomyces albidoflavus</i> DSM 40455	<i>Actinomycetota</i>	MW740035
PMIC_2A12A.2	99.69	<i>Streptomyces albidoflavus</i> DSM 40455	<i>Actinomycetota</i>	MW740036
PMIC_2A12B.1	99.77	<i>Streptomyces albidoflavus</i> DSM 40455	<i>Actinomycetota</i>	MW740037
PMIC_2A12B.2	99.76	<i>Streptomyces albidoflavus</i> DSM 40455	<i>Actinomycetota</i>	MW740038
PMIC_2C12	99.69	<i>Streptomyces albidoflavus</i> DSM 40455	<i>Actinomycetota</i>	MW740042
PMIC_1A3B.1	100.00	<i>Streptomyces albogriseolus</i> NRRL B-1305	<i>Actinomycetota</i>	MW739992
PMIC_1A3B.2	100.00	<i>Streptomyces albogriseolus</i> NRRL B-1305	<i>Actinomycetota</i>	MW739993
PMIC_1A3C	100.00	<i>Streptomyces albogriseolus</i> NRRL B-1305	<i>Actinomycetota</i>	MW739994
PMIC_1A8C	99.66	<i>Streptomyces albogriseolus</i> NRRL B-1305	<i>Actinomycetota</i>	MW739996
PMIC_1C12A	99.67	<i>Streptomyces albogriseolus</i> NRRL B-1305	<i>Actinomycetota</i>	MW740001
PMIC_1C12B	99.68	<i>Streptomyces albogriseolus</i> NRRL B-1305	<i>Actinomycetota</i>	MW740002
PMIC_2G2A	99.68	<i>Streptomyces ambofaciens</i> ATCC 23877	<i>Actinomycetota</i>	MW740075
PMIC_2G8C	99.68	<i>Streptomyces ambofaciens</i> ATCC 23877	<i>Actinomycetota</i>	MW740076
PMIC_1C8A	99.69	<i>Streptomyces ardesiacus</i> NRRL B-1773	<i>Actinomycetota</i>	MW740006
PMIC_2C8A	99.69	<i>Streptomyces ardesiacus</i> NRRL B-1773	<i>Actinomycetota</i>	MW740049
PMIC_2C8B	99.70	<i>Streptomyces ardesiacus</i> NRRL B-1773	<i>Actinomycetota</i>	MW740050
PMIC_2D8A	100.00	<i>Streptomyces ardesiacus</i> NRRL B-1773	<i>Actinomycetota</i>	MW740060
PMIC_2D8B	100.00	<i>Streptomyces ardesiacus</i> NRRL B-1773	<i>Actinomycetota</i>	MW740061
PMIC_1A8B	99.43	<i>Streptomyces flavoviridis</i> NBRC 12772	<i>Actinomycetota</i>	MW739995
PMIC_1D9A	99.80	<i>Streptomyces griseoflavus</i> LMG 19344	<i>Actinomycetota</i>	MW740011
PMIC_1D9B	99.75	<i>Streptomyces griseoflavus</i> LMG 19344	<i>Actinomycetota</i>	MW740012
PMIC_1D11A.1	99.85	<i>Streptomyces hydrogenans</i> NBRC 13475	<i>Actinomycetota</i>	MW740007
PMIC_1D11A.2	99.84	<i>Streptomyces hydrogenans</i> NBRC 13475	<i>Actinomycetota</i>	MW740008
PMIC_1I1A	100.00	<i>Streptomyces hydrogenans</i> NBRC 13475	<i>Actinomycetota</i>	MW740028
PMIC_1I1B	100.00	<i>Streptomyces hydrogenans</i> NBRC 13475	<i>Actinomycetota</i>	MW740029
PMIC_2C8C	99.57	<i>Streptomyces hydrogenans</i> NBRC 13475	<i>Actinomycetota</i>	MW740051
PMIC_2D11A.1	99.77	<i>Streptomyces hydrogenans</i> NBRC 13475	<i>Actinomycetota</i>	MW740056
PMIC_2D11A.2	99.69	<i>Streptomyces hydrogenans</i> NBRC 13475	<i>Actinomycetota</i>	MW740057
PMIC_2D11B	99.84	<i>Streptomyces hydrogenans</i> NBRC 13475	<i>Actinomycetota</i>	MW740058
PMIC_2D11C	99.70	<i>Streptomyces hydrogenans</i> NBRC 13475	<i>Actinomycetota</i>	MW740059
PMIC_1F12A	100.00	<i>Streptomyces setonii</i> NRRL ISP-5322	<i>Actinomycetota</i>	MW740022
PMIC_1F12B	100.00	<i>Streptomyces setonii</i> NRRL ISP-5322	<i>Actinomycetota</i>	MW740023
PMIC_2F12B	100.00	<i>Streptomyces setonii</i> NRRL ISP-5322	<i>Actinomycetota</i>	MW740069
PMIC_2F12C	100.00	<i>Streptomyces setonii</i> NRRL ISP-5322	<i>Actinomycetota</i>	MW740070
PMIC_1A3A.1	99.85	<i>Streptomyces xiamenensis</i> MCCC 1A01550	<i>Actinomycetota</i>	MW739989
PMIC_1A3A.2	99.82	<i>Streptomyces xiamenensis</i> MCCC 1A01550	<i>Actinomycetota</i>	MW739990
PMIC_1A3A.3	99.82	<i>Streptomyces xiamenensis</i> MCCC 1A01550	<i>Actinomycetota</i>	MW739991
PMIC_1B3A.1	99.52	<i>Streptomyces xiamenensis</i> MCCC 1A01550	<i>Actinomycetota</i>	MW739997
PMIC_1B3A.2	99.54	<i>Streptomyces xiamenensis</i> MCCC 1A01550	<i>Actinomycetota</i>	MW739998

PMIC_1B3A.3	99.55	<i>Streptomyces xiamenensis</i> MCCC 1A01550	<i>Actinomycetota</i>	MW739999
PMIC_2C2A	99.84	<i>Streptomyces xiamenensis</i> MCCC 1A01550	<i>Actinomycetota</i>	MW740043
PMIC_2C2B	99.81	<i>Streptomyces xiamenensis</i> MCCC 1A01550	<i>Actinomycetota</i>	MW740044
PMIC_2E9A.1	99.84	<i>Streptomyces xiamenensis</i> MCCC 1A01550	<i>Actinomycetota</i>	MW740063
PMIC_2E9A.2	99.85	<i>Streptomyces xiamenensis</i> MCCC 1A01550	<i>Actinomycetota</i>	MW740064
PMIC_2E9A.3	99.85	<i>Streptomyces xiamenensis</i> MCCC 1A01550	<i>Actinomycetota</i>	MW740065
PMIC_1E9A	99.82	<i>Streptomyces xiamenensis</i> MCCC1A01550	<i>Actinomycetota</i>	MW740016
PMIC_1E9C	99.84	<i>Streptomyces xiamenensis</i> MCCC1A01550	<i>Actinomycetota</i>	MW740018
PMIC_1E9D	99.81	<i>Streptomyces xiamenensis</i> MCCC1A01550	<i>Actinomycetota</i>	MW740019
PMIC_1E1A.1	99.52	<i>Aquimarina algiphila</i> 9Alg 151	<i>Bacteroidota</i>	MW740084
PMIC_1E1A.2	99.91	<i>Aquimarina amphilecti</i> 92V	<i>Bacteroidota</i>	MW740085
PMIC_1A1	99.06	<i>Aquimarina muelleri</i> KMM 6020	<i>Bacteroidota</i>	MW740081
PMIC_1E11B.2	99.59	<i>Arenibacter aquaticus</i> GUO666	<i>Bacteroidota</i>	MW740083
PMIC_2G2B	99.74	<i>Arenibacter aquaticus</i> GUO666	<i>Bacteroidota</i>	MW740087
PMIC_1B2	99.92	<i>Catalinimonas alkaloidigena</i> CNU-914	<i>Bacteroidota</i>	MW740082
PMIC_2E5A	99.67	<i>Tenacibaculum gallaicum</i> A37.1	<i>Bacteroidota</i>	MW740086
PMIC_2C11	100.00	<i>Alkalihalobacillus algicola</i> KMM 3737	<i>Bacillus</i>	MW740107
PMIC_2G8A.1	100.00	<i>Alkalihalobacillus hwajinpoensis</i> SW-72	<i>Bacillus</i>	MW740108
PMIC_1B9B.1	100.00	<i>Bacillus aryabhatai</i> B8W22	<i>Bacillus</i>	MW740089
PMIC_1B9B.2	100.00	<i>Bacillus aryabhatai</i> B8W22	<i>Bacillus</i>	MW740090
PMIC_1E11A.1	100.00	<i>Bacillus aryabhatai</i> B8W22	<i>Bacillus</i>	MW740093
PMIC_1E11B.1	100.00	<i>Bacillus aryabhatai</i> B8W22	<i>Bacillus</i>	MW740094
PMIC_1E1B.1	100.00	<i>Bacillus aryabhatai</i> B8W22	<i>Bacillus</i>	MW740095
PMIC_1E1B.2	100.00	<i>Bacillus aryabhatai</i> B8W22	<i>Bacillus</i>	MW740096
PMIC_2A10B.3	100.00	<i>Bacillus aryabhatai</i> B8W22	<i>Bacillus</i>	MW740102
PMIC_2B9A.1	100.00	<i>Bacillus horikoshii</i> DSM 8719	<i>Bacillus</i>	MW740104
PMIC_2B9A.2	100.00	<i>Bacillus horikoshii</i> DSM 8719	<i>Bacillus</i>	MW740105
PMIC_2B9A.3	100.00	<i>Bacillus horikoshii</i> DSM 8719	<i>Bacillus</i>	MW740106
PMIC_1E10A	99.71	<i>Bacillus licheniformis</i> ATCC 14580	<i>Bacillus</i>	MW740092
PMIC_1F10B.2	99.93	<i>Bacillus megaterium</i> NBRC 15308	<i>Bacillus</i>	MW740097
PMIC_1F10B.3	99.92	<i>Bacillus megaterium</i> NBRC 15308	<i>Bacillus</i>	MW740098
PMIC_1F10C.2	99.92	<i>Bacillus megaterium</i> NBRC 15308	<i>Bacillus</i>	MW740099
PMIC_2A10B.1	100.00	<i>Bacillus megaterium</i> NBRC 15308	<i>Bacillus</i>	MW740101
PMIC_1A11C	100.00	<i>Bacillus mycoides</i> DSM 2048	<i>Bacillus</i>	MW740088
PMIC_2A11C	100.00	<i>Bacillus mycoides</i> DSM 2048	<i>Bacillus</i>	MW740103
PMIC_2H10A	99.92	<i>Bacillus pumilus</i> ATCC 7061	<i>Bacillus</i>	MW740109
PMIC_1D12	100.00	<i>Bacillus toyonensis</i> BCT-7112	<i>Bacillus</i>	MW740091
PMIC_2A10A	99.85	<i>Fictibacillus phosphorivorans</i> Ca7	<i>Bacillus</i>	MW740100
PMIC_2H3	100.00	<i>Cobetia amphilecti</i> KMM 1561	<i>Pseudomonadota</i>	MW740140
PMIC_1D2B.1	99.85	<i>Cobetia marina</i> JCM 21022	<i>Pseudomonadota</i>	MW740118
PMIC_1D2B.3	100.00	<i>Cobetia marina</i> JCM 21022	<i>Pseudomonadota</i>	MW740120
PMIC_2F12E	99.23	<i>Henriciella algicola</i> CCUG 67844	<i>Pseudomonadota</i>	MW740134
PMIC_1E8A	99.33	<i>Limimaricola cinnabarinus</i> LL-001	<i>Pseudomonadota</i>	MW740123
PMIC_1E8C	99.33	<i>Limimaricola cinnabarinus</i> LL-001	<i>Pseudomonadota</i>	MW740124
PMIC_1H8A	99.30	<i>Limimaricola soesokkakensis</i> CECT 8367	<i>Pseudomonadota</i>	MW740126
PMIC_1C11B	100.00	<i>Marinobacter litoralis</i> SW-45	<i>Pseudomonadota</i>	MW740115
PMIC_1E1A.3	100.00	<i>Marinobacter litoralis</i> SW-45	<i>Pseudomonadota</i>	MW740122
PMIC_1A8A	100.00	<i>Phaeobacter porticola</i> P97	<i>Pseudomonadota</i>	MW740110

PMIC_2H5C	99.92	<i>Providencia vermicola</i> OP1	<i>Pseudomonadota</i>	MW740142
PMIC_1D2B.2	100.00	<i>Pseudoalteromonas atlantica</i> NBRC 103033	<i>Pseudomonadota</i>	MW740119
PMIC_1B3B	100.00	<i>Pseudoalteromonas carrageenovora</i> IAM 12662	<i>Pseudomonadota</i>	MW740111
PMIC_1C10	100.00	<i>Pseudoalteromonas carrageenovora</i> IAM12662	<i>Pseudomonadota</i>	MW740114
PMIC_2C3A	100.00	<i>Pseudoalteromonas carrageenovora</i> IAM12662	<i>Pseudomonadota</i>	MW740127
PMIC_2H5B	99.84	<i>Pseudoalteromonas carrageenovora</i> IAM12662	<i>Pseudomonadota</i>	MW740141
PMIC_1F6B	100.00	<i>Pseudoalteromonas neustonica</i> PAMC28425	<i>Pseudomonadota</i>	MW740125
PMIC_2C8D	99.13	<i>Pseudoalteromonas prydzensis</i> MB8-11	<i>Pseudomonadota</i>	MW740129
PMIC_1B5B.1	100.00	<i>Pseudoalteromonas tetraodonis</i> GFC	<i>Pseudomonadota</i>	MW740112
PMIC_1B5B.2	100.00	<i>Pseudoalteromonas tetraodonis</i> GFC	<i>Pseudomonadota</i>	MW740113
PMIC_1C5B.2	99.35	<i>Psychrobacter cryohalolentis</i> K5	<i>Pseudomonadota</i>	MW740116
PMIC_2G8A.2	99.52	<i>Psychrobacter cryohalolentis</i> K5	<i>Pseudomonadota</i>	MW740138
PMIC_2G8B	99.53	<i>Psychrobacter cryohalolentis</i> K5	<i>Pseudomonadota</i>	MW740139
PMIC_1D8D.1	100.00	<i>Psychrobacter nivimaris</i> 88/2-7	<i>Pseudomonadota</i>	MW740121
PMIC_2D8E	100.00	<i>Psychrobacter nivimaris</i> 88/2-7	<i>Pseudomonadota</i>	MW740131
PMIC_2E9B.2	100.00	<i>Psychrobacter nivimaris</i> 88/2-7	<i>Pseudomonadota</i>	MW740133
PMIC_1D1B.1	100.00	<i>Sulfitobacter pontiacus</i> DSM 10014	<i>Pseudomonadota</i>	MW740117
PMIC_2D1A	100.00	<i>Sulfitobacter pontiacus</i> DSM 10014	<i>Pseudomonadota</i>	MW740130
PMIC_2E5B	100.00	<i>Sulfitobacter pontiacus</i> DSM 10014	<i>Pseudomonadota</i>	MW740132
PMIC_2G1A.1	100.00	<i>Tritonibacter mobilis</i> subsp. <i>pelagius</i> NBRC 102038	<i>Pseudomonadota</i>	MW740135
PMIC_2G1A.2	100.00	<i>Tritonibacter mobilis</i> subsp. <i>pelagius</i> NBRC 102038	<i>Pseudomonadota</i>	MW740136
PMIC_2G1B	100.00	<i>Tritonibacter mobilis</i> subsp. <i>pelagius</i> NBRC 102038	<i>Pseudomonadota</i>	MW740137
PMIC_2C5A	99.93	<i>Vibrio toranzoniae</i> Vb 10.8	<i>Pseudomonadota</i>	MW740128

Table S2 - Total and per medium distribution of isolated strains by genera.

Phylum	Genus	Total Isolates	M600 Isolates	MA Isolates
<i>Actinomycetota</i>	<i>Arthrobacter</i>	4	3	1
	<i>Corynebacterium</i>	1	1	0
	<i>Dietzia</i>	2	2	0
	<i>Kocuria</i>	1	1	0
	<i>Microbacterium</i>	3	3	0
	<i>Micromonospora</i>	1	1	0
	<i>Nocardia</i>	1	1	0
	<i>Nocardiosis</i>	29	6	23
	<i>Rhodococcus</i>	5	2	3
	<i>Streptomyces</i>	48	25	23
	<i>Plantibacter</i>	1	0	1
<i>Bacteroidota</i>	<i>Aquimarina</i>	3	3	0
	<i>Arenibacter</i>	2	1	1
	<i>Catalinimonas</i>	1	1	0
	<i>Tenacibaculum</i>	1	0	1
<i>Bacillota</i>	<i>Alkalihalobacillus</i>	2	0	2
	<i>Bacillus</i>	19	12	7
	<i>Fictibacillus</i>	1	0	1
<i>Pseudomonadota</i>	<i>Cobetia</i>	3	2	1
	<i>Henriciella</i>	1	0	1
	<i>Limimaricola</i>	3	3	0
	<i>Marinobacter</i>	2	2	0
	<i>Phaeobacter</i>	1	1	0
	<i>Providencia</i>	1	0	1
	<i>Pseudoalteromonas</i>	9	6	3
	<i>Psychrobacter</i>	6	2	4
	<i>Sulfitobacter</i>	3	1	2
	<i>Tritonibacter</i>	3	0	3
	<i>Vibrio</i>	1	0	1

Table S3 - All compounds putatively identified and non-identified molecules present in the extracts.

Strain ID	Taxonomic unit	Medium	Putatively Detected Molecules	Non-Identified Molecules
PMIC_1E12B	<i>Arthrobacter gandavensis</i>	M607	cyclo(Pro-Tyr), cyclo(L-Leu-L-Pro), cyclo(Phe-Pro), 1H-indole-3-acetic acid, cyclo(Phe-Lxx), lauric diethanolamide	–
		OSMAC 1:10 M607	–	–
		OSMAC M607	–	–
		OSMAC M600	–	–
		OSMAC MA	–	–
		OSMAC CGY	–	–
PMIC_1A10B	<i>Nocardia nova</i>	M607	lauric diethanolamide, N-acetyltyramine, cyclo(L-Leu-L-Pro), cyclo(Phe-Pro), 1H-indole-3-acetic acid	–
		OSMAC 1:10 M607	taurocholic acid, linoleic acid, N-N-dimethyladenosine, N-acetyltyramine, cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, cyclo(Phe-Pro), cyclo(Pro-Trp)	C ₉ H ₁₀ N ₂ O; C ₁₅ H ₂₄ O ₃
		OSMAC M607	adenosine, cyclo(Pro-Tyr), cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, cyclo(Phe-Pro), cyclo(Pro-Trp), taurocholic acid, lauric diethanolamide	C ₂₇ H ₅₄ N ₁₀ O ₁₀
		OSMAC M600	adenosine, cyclo(Pro-Tyr), N-acetyltyramine, cyclo(L-Leu-L-Pro), cyclo(Pro-Trp), cyclo(Phe-Pro), cyclo(Phe-Val), cyclo(Phe-Lxx), taurocholic acid, lauramidopropyl betaine, lauric diethanolamide	C ₂₂ H ₄₄ O ₁₂
		OSMAC MA	adenosine, cyclo(Pro-Tyr), N-acetyltyramine, cyclo(L-Leu-L-Pro), cyclo(Phe-Pro), N-[2-(1H-Indol-3-yl)-2-oxoethyl]acetamide, cyclo(Pro-Trp), cyclo(Phe-Val), N-(2-phenylethyl)acetamide, cyclo(Phe-Lxx), taurocholic acid, lauric diethanolamide	–

PMIC_1A11B.2	<i>Nocardiopsis alba</i>	OSMAC CGY	N-N-dimethyladenosine, N-acetyltyramine, cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, cyclo(Phe-Pro), taurocholic acid, cyclo(Phe-Lxx)	C ₂₂ H ₄₄ O ₁₂ ; C ₂₄ H ₄₈ O ₁₃
		M607	N-acetyltyramine, cyclo(Pro-Tyr), cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, cyclo(Phe-Lxx), germicidin A, lauric diethanolamide	C ₁₂ H ₂₅ NO ₃ , C ₁₄ H ₂₉ NO ₃
		OSMAC 1:10 M607	-	-
		OSMAC M607	-	-
		OSMAC M600	-	-
		OSMAC MA	-	-
		OSMAC CGY	-	-
		M607	cyclo(Pro-Trp), N-acetyltyramine, cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, lumichrome, lauric diethanolamide, germicidin A	-
		OSMAC 1:10 M607	-	-
		OSMAC M607	-	-
PMIC_2A11B.1	<i>Nocardiopsis alba</i>	OSMAC M600	N-acetyltyramine, cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, cyclo(Pro-Trp), germicidin A, taurocholic acid	-
		OSMAC MA	-	-
		OSMAC CGY	N-acetyltyramine, cyclo(L-Leu-L-Pro), cyclo(Phe-Pro), cyclo(Pro-Trp), taurocholic acid, germicidin A, antibiotic X 14952B	-
		M607	cyclo(Pro-Tyr), MDN-0100, cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, cyclo(Phe-Pro), lauric diethanolamide	C ₂₀ H ₃₁ NO ₄ S
		OSMAC 1:10 M607	-	-
PMIC_1F6A.3	<i>Nocardiopsis alba</i>	OSMAC M607	-	-
		OSMAC M607	-	-

PMIC_2H2C.2	<i>Nocardiopsis alba</i>	OSMAC	-	-
		M600	-	-
		OSMAC MA	-	-
		OSMAC	-	-
		CGY	-	-
		M607	cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, cyclo(Phe-Pro), lauric diethanolamide	-
		OSMAC 1:10	cyclo(L-Leu-L-Pro), taurocholic acid	C ₂₇ H ₅₂ N ₁₀ O ₁₀
		M607		
		OSMAC	-	-
		M607		
PMIC_1E10C	<i>Rhodococcus coprophilus</i>	OSMAC	N-acetyltyramine, cyclo(L-Leu-L-Pro), cyclo(Phe-Pro), 1H-indole-3-acetic acid, cyclo(Pro-Trp), taurocholic acid, antibiotic X 14952B	C ₁₅ H ₂₄ O ₄
		M600		
		OSMAC MA	-	-
		OSMAC	cyclo(Pro-Tyr), N-acetyltyramine, cyclo(L-Leu-L-Pro), cyclo(Phe-Pro), cyclo(Pro-Trp), N-(2-phenylethyl)acetamide, cyclo(Phe-Lxx), taurocholic acid, antibiotic X 14952B	C ₁₅ H ₂₄ O ₄ , C ₁₆ H ₂₄ O ₃
		CGY		
		M607	cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, cyclo(Phe-Pro), cyclo(Pro-Trp), lauric diethanolamide	C ₁₄ H ₂₉ NO ₃
		OSMAC 1:10	-	-
		M607		
		OSMAC	-	-
		M607		
		OSMAC	-	-
		M600	-	-
		OSMAC MA	-	-
		OSMAC	-	-
		CGY	-	-

PMIC_2C12	<i>Streptomyces albidoflavus</i>	M607	cyclo(Pro-Tyr), N-acetyltyramine, cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, cyclo(Phe-Pro), germicidin G, lauric diethanolamide, MDN-0142 - surugamide A, ansalactam A	–
		OSMAC 1:10 M607	–	–
		OSMAC M607	–	–
		OSMAC M600	–	–
		OSMAC MA	–	–
		OSMAC CGY	–	–
PMIC_1A8B	<i>Streptomyces flavoviridis</i>	M607	N-acetyltyramine, cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, cyclo(Phe-Pro), cyclo(Pro-Trp), N-(2-phenylethyl)acetamide, cyclo(Phe-Lxx), lauric diethanolamide	C ₂₀ H ₁₃ N ₃ O ₆ , C ₂₃ H ₁₃ ClO ₄ S ₂
		OSMAC 1:10 M607	cyclo(L-Leu-L-Pro), taurocholic acid	C ₂₃ H ₁₃ ClO ₄ S ₂
		OSMAC M607	cyclo(Pro-Tyr), N-acetyltyramine, cyclo(L-Leu-L-Pro), cyclo(Phe-Pro), taurocholic acid, lauric diethanolamide	–
		OSMAC M600	N-acetyltyramine, cyclo(L-Leu-L-Pro), cyclo(Phe-Pro), cyclo(Pro-Trp), cyclo(Phe-Val), cyclo(Phe-Lxx), taurocholic acid	C ₂₀ H ₁₃ N ₃ O ₆ , C ₂₃ H ₁₃ ClO ₄ S ₂
		OSMAC MA	–	–
		OSMAC CGY	–	–
PMIC_1D9B	<i>Streptomyces griseoflavus</i>	M607	N-acetyltyramine, cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, cyclo(Pro-Trp), N-(2-phenylethyl)acetamide, lauric diethanolamide, ansalactam A	–
		OSMAC 1:10 M607	N-acetyltyramine, taurocholic acid, lauramidopropyl betaine, lauric diethanolamide, ansalactam A	–

PMIC_1I1A	<i>Streptomyces hydrogenans</i>	OSMAC M607	cyclo(Pro-Tyr), N-acetyltyramine, cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, cyclo(Phe-Pro), 3-acetylamino-N-2-thienylpropanamide, taurocholic acid, lauric diethanolamide, ansalactam A	–
		OSMAC M600	cyclo(Pro-Tyr), N-acetyltyramine, cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, cyclo(Pro-Trp), 3-acetylamino-N-2-thienylpropanamide, taurocholic acid, lauramidopropyl betaine, lauric diethanolamide, ansalactam A	–
		OSMAC MA	–	–
		OSMAC CGY	N-acetyltyramine, cyclo(Phe-Pro), 3-acetylamino-N-2-thienylpropanamide, cyclo(Phe-Val), cyclo(Phe-Lxx), taurocholic acid, ansalactam A	–
		M607	N-N-dimethyladenosine, cyclo(Pro-Tyr), N-acetyltyramine, cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, cyclo(Phe-Pro), cyclo(Pro-Trp), antibiotic MKN 003B, germicidin G, lauric diethanolamide, surugamide A	C ₁₃ H ₂₂ O ₃
		OSMAC 1:10 M607	N-N-dimethyladenosine, cyclo(L-Leu-L-Pro), taurocholic acid, antibiotic MKN 003B, germicidin G, surugamide E, surugamide A	C ₁₃ H ₂₂ O ₃
		OSMAC M607	–	–
		OSMAC M600	–	–
		OSMAC MA	–	–
		OSMAC CGY	N-N-dimethyladenosine, cyclo(Pro-Tyr), N-acetyltyramine, cyclo(L-Leu-L-Pro), cyclo(Phe-Pro), N-[2-(1H-Indol-3-yl)-2-oxoethyl]acetamide, cyclo(Pro-Trp), cyclo(Lxx-Lxx), cyclo(Phe-Lxx), taurocholic acid, antibiotic MKN 003B, germicidin G, lauramidopropyl betaine, surugamide E, surugamide A, blastmycin, antimycin A13, antimycin A11- SPA 8893A	C ₁₃ H ₂₂ O ₃
PMIC_1F12B	<i>Streptomyces setonii</i>	M607	corynecin I, N-acetyltyramine, cyclo(Phe-Pro), 1H-indole-3-acetic acid, chloramphenicol, lauric diethanolamide	–

OSMAC 1:10 M607	N-acetyltyramine, cyclo(L-Leu-L-Pro), taurocholic acid, 3-(Hydroxymethyl)-2-(1-hydroxy-6-methylheptyl)butanolide	C ₂₇ H ₅₃ N ₅ O ₁₀
OSMAC M607	–	–
OSMAC M600	N-N-dimethyladenosine, cyclo(L-Leu-L-Pro), cyclo(Phe-Pro), N-acetyltyramine, 1H-indole-3-acetic acid, taurocholic acid	–
OSMAC MA	–	–
OSMAC CGY	N-N-dimethyladenosine, N-acetyltyramine, cyclo(L-Leu-L-Pro), 1H-indole-3-acetic acid, N-[2-(1H-Indol-3-yl)-2-oxoethyl]acetamide, cyclo(Phe-Pro), cyclo(Phe-Lxx), taurocholic acid	C ₂₂ H ₄₄ O ₁₂

Supplementary Figures

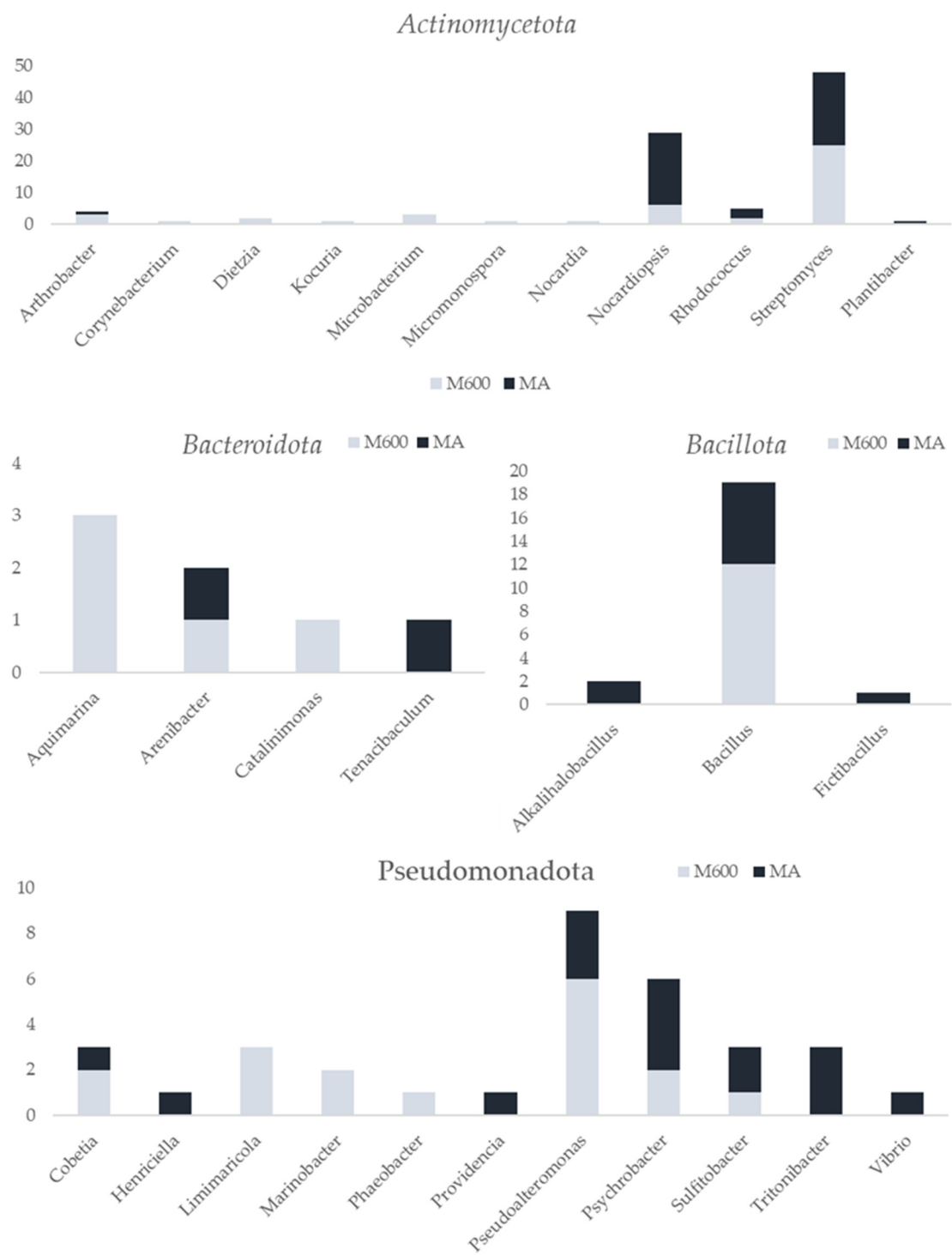


Figure S1 - Distribution of the genera of the obtained strains per medium used.

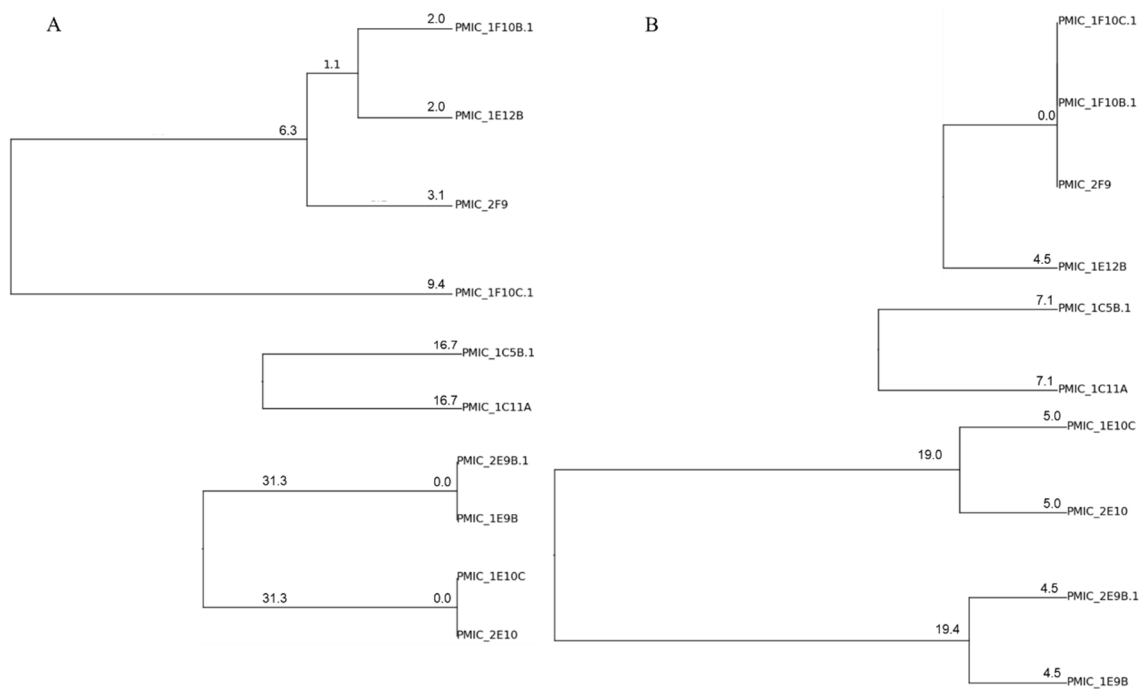


Figure S2 – (A) ERIC-PCR fingerprinting performed on strains belonging to *Arthrobacter gandavensis*, *Dietzia maris*, *Rhodococcus coprophilus* and *Rhodococcus erythropolis*. (B) BOX-PCR fingerprinting performed on strains belonging to *A. gandavensis*, *D. maris*, *R. coprophilus* and *R. erythropolis*.

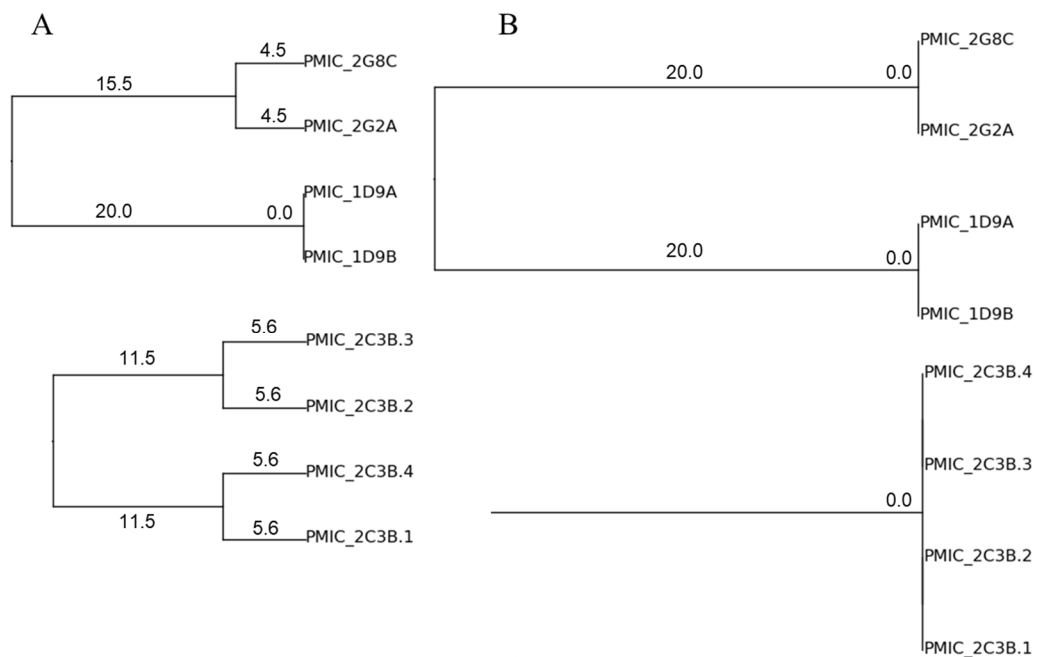


Figure S3 - (A) ERIC-PCR fingerprinting performed on strains belonging to *Streptomyces griseoflavus*, *Streptomyces ambofaciens* and *Nocardioopsis umidischolae*. (B) BOX-PCR fingerprinting performed on strains belonging to *S. griseoflavus*, *S. ambofaciens* and *N. umidischolae*.

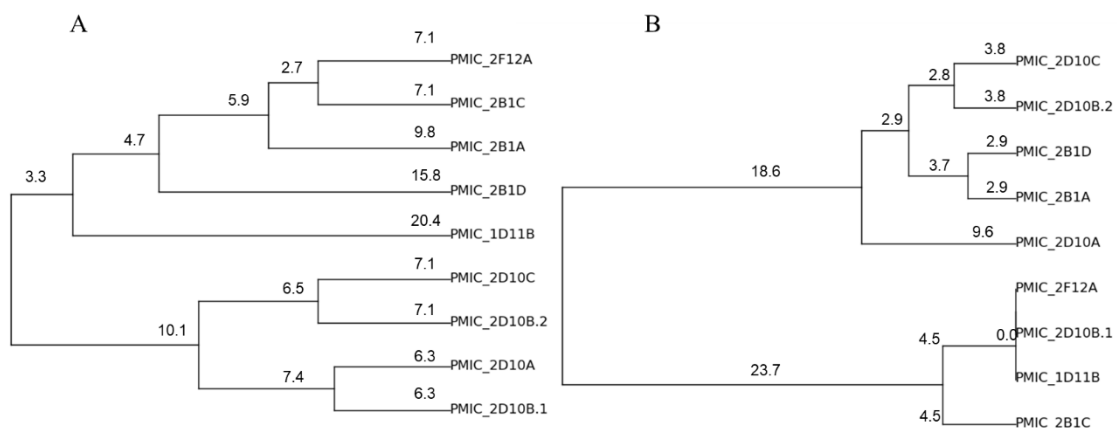


Figure S4 - (A) ERIC -PCR fingerprinting performed on strains belonging to *Nocardiosis prasina*. (B) BOX-PCR fingerprinting performed on strains belonging to *N. prasina*.

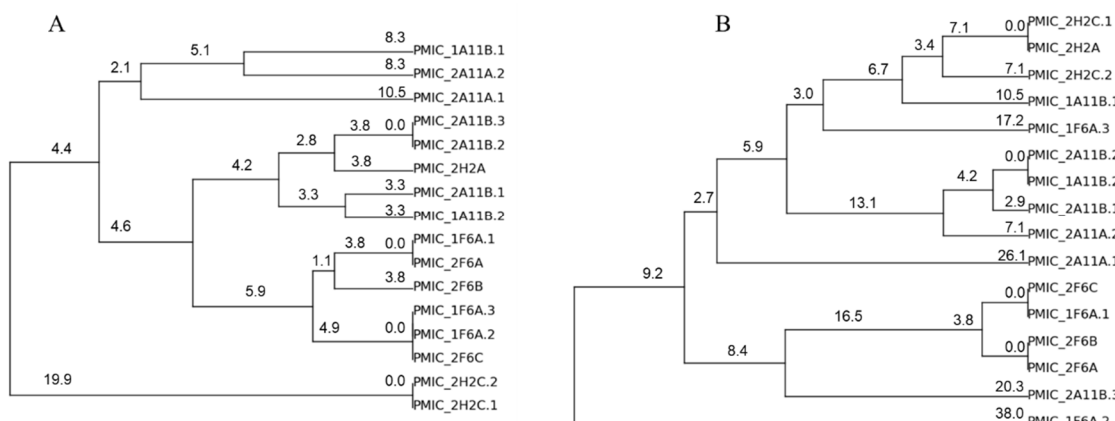


Figure S5 - (A) ERIC-PCR fingerprinting performed on strains belonging to *Nocardiosis alba*. (B) BOX-PCR fingerprinting performed on strains belonging to *N. alba*.

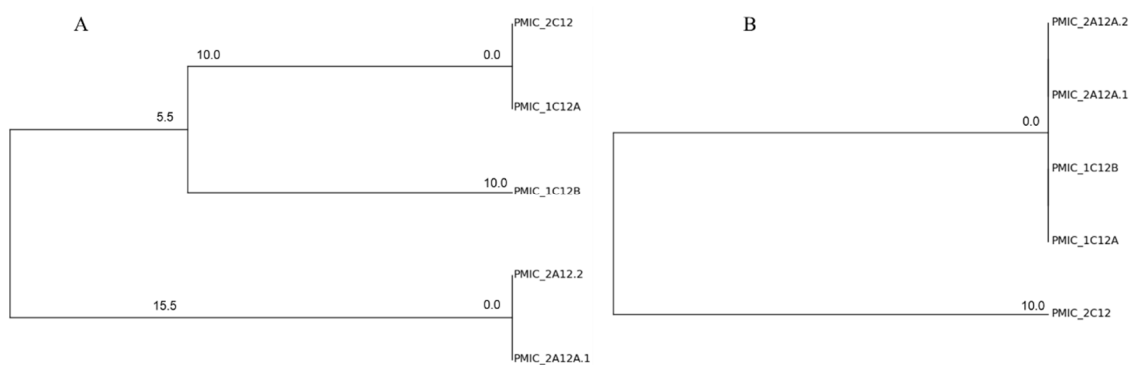


Figure S6 - (A) ERIC-PCR fingerprinting performed on strains belonging to *Streptomyces albidoflavus*. (B) BOX-PCR fingerprinting performed on strains belonging to *S. albidoflavus*.

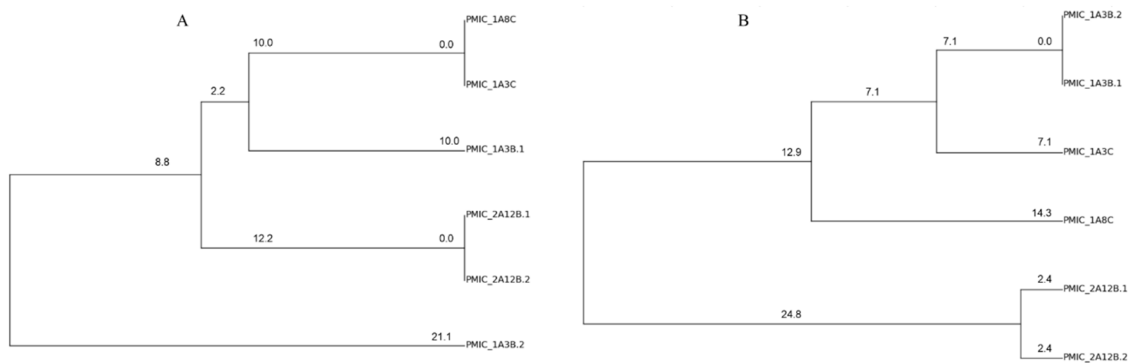


Figure S7 - (A) ERIC-PCR fingerprinting performed on strains belonging to *Streptomyces albogriseolus*. (B) BOX-PCR fingerprinting performed on strains belonging to *S. albogriseolus*.

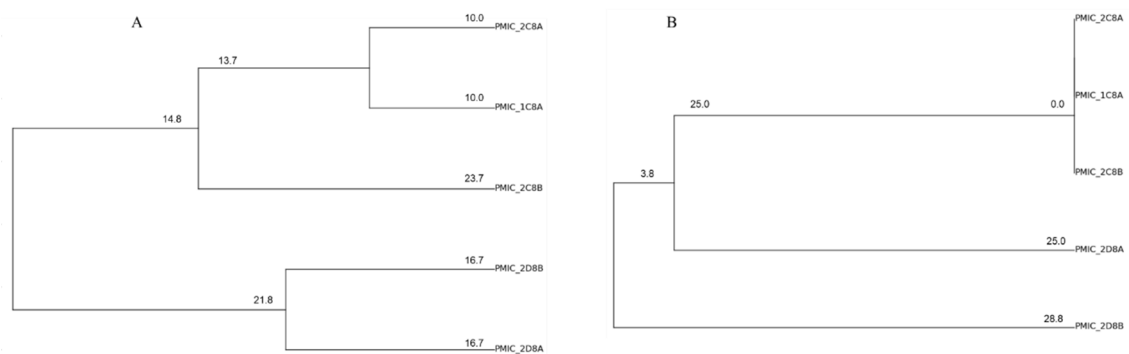


Figure S8 - (A) ERIC-PCR fingerprinting performed on strains belonging to *Streptomyces ardesiacus*. (B) BOX-PCR fingerprinting performed on strains belonging to *S. ardesiacus*.

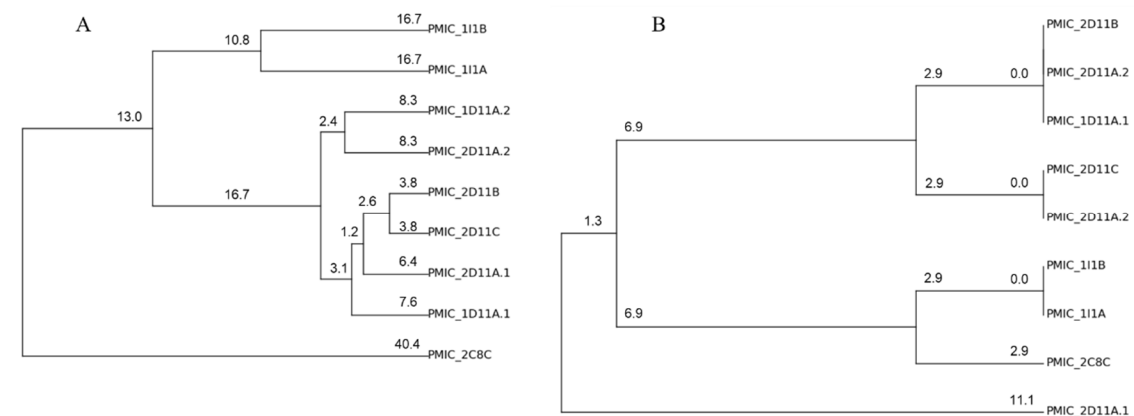


Figure S9 - (A) ERIC-PCR fingerprinting performed on strains belonging to *Streptomyces hydrogenans*. (B) BOX-PCR fingerprinting performed on strains belonging to *S. hydrogenans*.

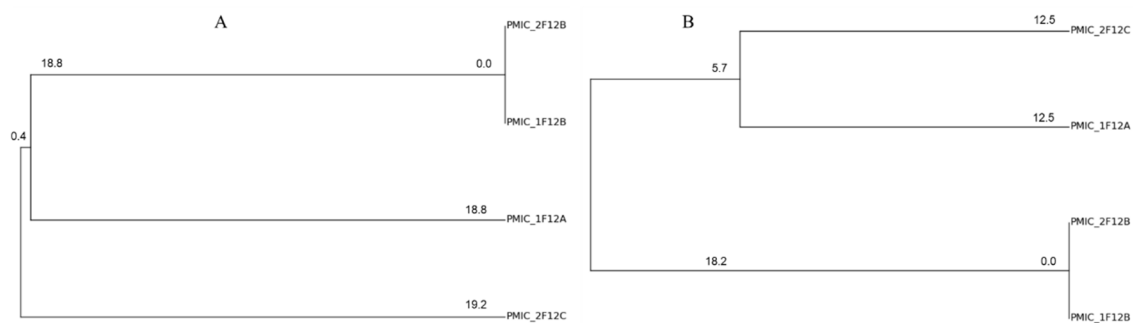


Figure S10 - (A) ERIC-PCR fingerprinting performed on strains belonging to *Streptomyces setonii*. (B) BOX-PCR fingerprinting performed on strains belonging to *S. setonii*.

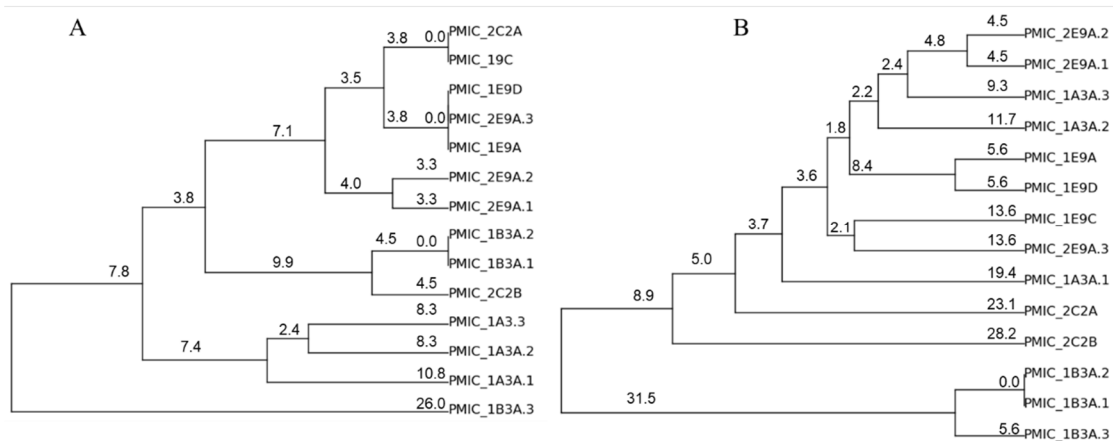


Figure S11 - (A) ERIC-PCR fingerprinting performed on strains belonging to *Streptomyces xiamenensis*. (B) BOX-PCR fingerprinting performed on strains belonging to *S. xiamenensis*.