

Supplementary Material

Potentially pathogenic bacteria isolated from diverse habitats in Spitsbergen, Svalbard

Diana C. Mogrovejo-Arias, Florian H. H. Brill, Dirk Wagner

*** Correspondence:**

Diana Mogrovejo

Dr. Brill + Partner GmbH

Stiegstück 34 - 22339 Hamburg, Germany

Diana.Mogrovejo@brillhygiene.com / dcmogrovejo@yahoo.com

Supplementary Table 1:

Isolates obtained from environmental samples from the island of Spitsbergen. The table shows the name assigned to the isolates, GenBank Accession numbers, isolation temperature, sample from which it was obtained, closest taxonomic neighbor with their identity percentage

Isolate	GenBank Accession number	Isolation temp. (°C)	Sample	Phylum	Family	Closest taxonomic neighbor section	GenBank Accession Closest Neighbor	% Id.
An21	MH714605	17	Sediment	Actinobacteria	Propionibacteriaceae	<i>Propioniciclava sp.</i>	NR_112669.1	93
An24	MH714606	17	Sediment	Actinobacteria	Microbacteriaceae	<i>Cryobacterium arcticum</i>	NR_108605.1	99
An34	MH714607	5	Sea water	Actinobacteria	Microbacteriaceae	<i>Leifsonia kafniensis</i>	NR_042669.1	98
An58	MH714608	17	Sediment	Firmicutes	Enterococcaceae	<i>Enterococcus faecium</i>	NR_113904.1	99
S3	MH714651	37	Sediment	Actinobacteria	Micromonosporaceae	<i>Micromonospora aurantiaca</i>	NR_074415.1	99
S5	MH714652	37	Sea water	Firmicutes	Bacillaceae	<i>Fictibacillus phosphorivorans</i>	NR_118455.1	100
S7	MH714653	37	Sediment	Firmicutes	Bacillaceae	<i>Bacillus cereus</i>	NR_074540.1	99

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S8	MH714654	37	Sediment	Actinobacteria	Microbacteriaceae	<i>Microbacterium lacticum</i>	NR_026160.1	99
S10	MH714655	37	Sea water	Actinobacteria	Cellulomonadaceae	<i>Oerskovia paurometabola</i>	NR_025471.1	99
S15	MH714656	17	Sediment	Firmicutes	Planococcaceae	<i>Sporosarcina globispora</i>	NR_113837.1	99
S16	MH714657	17	Sediment	Actinobacteria	Micrococcaceae	<i>Pseudoarthrobacter oxydans</i>	NR_026236.1	99
S20	MH714658	17	Snow	Actinobacteria	Microbacteriaceae	<i>Subtercola boreus</i>	NR_025074.1	99
S22	MH714659	17	Sea water	Actinobacteria	Nocardiaceae	<i>Gordonia sputi</i>	NR_037031.1	99
S23b	MH714660	37	Sea water	Actinobacteria	Microbacteriaceae	<i>Microbacterium maritypicum</i>	NR_114986.1	98
S24	MH714661	17	Sediment	Actinobacteria	Brevibacteriaceae	<i>Brevibacterium frigoritolerans</i>	NR_117474.1	99
S25	MH714662	17	Sediment	Actinobacteria	Micrococcaceae	<i>Arthrobacter luteolus</i>	NR_025362.1	98
S26	MH714663	17	Sediment	Actinobacteria	Microbacteriaceae	<i>Microbacterium diaminobutyricum</i>	NR_152648.1	98
S27b	MH714664	17	Sediment	Firmicutes	Carnobacteriaceae	<i>Carnobacterium viridans</i>	NR_025197.1	99
S28	MH714665	17	Snow	Actinobacteria	Microbacteriaceae	<i>Agreia pratensis</i>	NR_025460.1	99
S31	MH714666	17	Sea water	Actinobacteria	Geodermatophilaceae	<i>Blastococcus aggregatus</i>	NR_114864.1	99
S32	MH714667	17	Sea water	Actinobacteria	Propionibacteriaceae	<i>Tessaracoccus flavescens</i>	NR_042550.1	99
S34	MH714668	5	Snow	Actinobacteria	Micrococcaceae	<i>Arthrobacter citreus</i>	NR_026188.1	99
S35	MH714669	5	Sediment	Proteobacteria	Moraxellaceae	<i>Psychrobacter cibarius</i>	NR_043057.1	99
S44	MH714670	37	Snow	Firmicutes	Bacillaceae	<i>Bacillus methylotrophicus</i>	NR_116240.1	99
S54	MH714671	5	Sea water	Actinobacteria	Microbacteriaceae	<i>Agrococcus jenensis</i>	NR_026275.1	99
S58	MH714672	5	Sea water	Actinobacteria	Microbacteriaceae	<i>Salinibacterium amurskyense</i>	NR_041932.1	99
S60	MH714673	5	Sea water	Actinobacteria	Microbacteriaceae	<i>Microbacterium phyllosphaerae</i>	NR_025405.1	98
S65	MH714674	17	Sediment	Bacteroidetes	Cyclobacteriaceae	<i>Algoriphagus aquimarinus</i>	NR_025602.1	99
S67	MH714675	17	Sediment	Proteobacteria	Pseudomonadaceae	<i>Pseudomonas peli</i>	NR_042451.1	99
S70	MH714676	37	Sediment	Firmicutes	Bacillaceae	<i>Bacillus wiedmannii</i>	NR_152692.1	99
S71	MH714677	37	Sediment	Firmicutes	Bacillaceae	<i>Bacillus licheniformis</i>	NR_118996.1	99

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S72	MH714678	37	Sediment	Actinobacteria	Propionibacteriaceae	<i>Tessaracoccus profundi</i>	NR_116583.1	98
S73	MH714679	5	Sediment	Actinobacteria	Micrococcaceae	<i>Paeniglutamibacter sulfureus</i>	NR_026237.1	99
S77	MH714680	37	Sediment	Firmicutes	Bacillaceae	<i>Lysinibacillus contaminans</i>	NR_109740.1	99
S81	MH714681	17	Sediment	Actinobacteria	Micrococcaceae	<i>Arthrobacter siccitolerans</i>	NR_108849.1	98
S84	MH714682	5	Sediment	Proteobacteria	Moraxellaceae	<i>Psychrobacter maritimus</i>	NR_027225.1	99
S87	MH714683	17	Sediment	Actinobacteria	Sanguibacteraceae	<i>Sanguibacter antarcticus</i>	NR_044173.1	99
S88	MH714684	17	Sediment	Proteobacteria	Pseudomonadaceae	<i>Pseudomonas trivialis</i>	NR_028987.1	99
S90	MH714685	17	Sediment	Firmicutes	Planococcaceae	<i>Sporosarcina psychrophila</i>	NR_113752.1	98
N2	MH714612	37	Soil	Firmicutes	Incertae Sedis XII	<i>Exiguobacterium undae</i>	NR_043477.1	99
N7	MH714613	37	Soil	Firmicutes	Paenibacillaceae	<i>Paenibacillus cellulositrophicus</i>	NR_116564.1	99
N9	MH714614	37	Soil	Firmicutes	Incertae Sedis XII	<i>Exiguobacterium antarcticum</i>	NR_043476.1	99
N10a	MH714615	37	Soil	Firmicutes	Bacillaceae	<i>Bacillus megaterium</i>	NR_116873.1	99
N15	MH714616	17	Soil	Proteobacteria	Pseudomonadaceae	<i>Pseudomonas graminis</i>	NR_026395.1	99
N17	MH714617	37	Soil	Firmicutes	Bacillaceae	<i>Bacillus flexus</i>	NR_113800.1	99
N18	MH714618	37	Soil	Actinobacteria	Micromonosporaceae	<i>Micromonospora chalcea</i>	NR_118842.1	99
N23	MH714619	37	Sediment	Firmicutes	Bacillaceae	<i>Bacillus clausii</i>	NR_026140.1	99
N24	MH714620	37	Sediment	Firmicutes	Bacillaceae	<i>Bacillus sp.</i>	NR_026140.1	83
N28	MH714621	17	Soil	Actinobacteria	Streptomycetaceae	<i>Streptomyces avidinii</i>	NR_041132.1	99
N30	MH714622	17	Soil	Proteobacteria	Pseudomonadaceae	<i>Rugamonas rubra</i>	NR_104915.1	98
N30b	MH714623	17	Soil	Proteobacteria	Pseudomonadaceae	<i>Pseudomonas frederiksbergensis</i>	NR_117177.1	98
N34	MH714624	37	Soil	Firmicutes	Bacillaceae	<i>Bacillus amyloliquefaciens</i>	NR_117946.1	99
N36	MH714625	17	Sediment	Firmicutes	Planococcaceae	<i>Sporosarcina aquimarina</i>	NR_025049.1	99
N36a	MH714626	17	Sediment	Bacteroidetes	Sphingobacteriaceae	<i>Pedobacter nyackensis</i>	NR_044380.1	99
N39	MH714627	17	Sediment	Firmicutes	Carnobacteriaceae	<i>Carnobacterium funditum</i>	NR_113773.1	99

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N41	MH714628	17	Soil	Actinobacteria	Streptomycetaceae	<i>Streptomyces candidus</i>	NR_112302.1	99
N42	MH714629	17	Soil	Actinobacteria	Streptomycetaceae	<i>Streptomyces fulvissimus</i>	NR_103947.1	99
N43	MH714630	17	Soil	Proteobacteria	Sphingomonadaceae	<i>Sphingomonas aerolata</i>	NR_042130.1	99
N47	MH714631	17	Soil	Actinobacteria	Microbacteriaceae	<i>Fron dih abitans sucicola</i>	NR_125644.1	99
N54	MH714632	37	Soil	Firmicutes	Bacillaceae	<i>Psychrobacillus sp.</i>	NR_025409.1	94
N57b	MH714633	37	Soil	Firmicutes	Paenibacillaceae	<i>Paenibacillus lactis</i>	NR_025739.1	99
N58	MH714634	5	Sediment	Firmicutes	Carnobacteriaceae	<i>Carnobacterium alterfunditum</i>	NR_104715.1	99
N60(N40)	MH714635	5	Soil	Proteobacteria	Pseudomonadaceae	<i>Pseudomonas helmanticensis</i>	NR_126220.1	98
N61	MH714636	17	Sediment	Proteobacteria	Moraxellaceae	<i>Psychrobacter nivimaris</i>	NR_028948.1	99
N71	MH714637	5	Soil	Proteobacteria	Pseudomonadaceae	<i>Pseudomonas lurida</i>	NR_042199.1	99
N72	MH714638	5	Soil	Bacteroidetes	Flavobacteriaceae	<i>Flavobacterium piscis</i>	NR_133746.1	98
N78	MH714639	17	Soil	Proteobacteria	Acetobacteraceae	<i>Roseomonas aquatica</i>	NR_042501.1	99
N81b	MH714640	17	Soil	Firmicutes	Bacillaceae	<i>Lysinibacillus chungkukjangi</i>	NR_109669.1	99
N82	MH714641	17	Snow	Firmicutes	Paenibacillaceae	<i>Paenibacillus taichungensis</i>	NR_044428.1	99
N83	MH714642	17	Snow	Firmicutes	Bacillaceae	<i>Bacillus idriensis</i>	NR_043268.1	99
N84	MH714643	17	Melt water	Actinobacteria	Micrococcaceae	<i>Arthrobacter agilis</i>	NR_026198.1	99
N85	MH714644	37	Melt water	Firmicutes	Bacillaceae	<i>Bacillus niabensis</i>	NR_043334.1	98
N87	MH714645	5	Sea water	Proteobacteria	Pseudomonadaceae	<i>Pseudomonas salina</i>	NR_137210.1	98
N91	MH714646	17	Melt water	Actinobacteria	Microbacteriaceae	<i>Cryobacterium psychrotolerans</i>	NR_043892.1	100
N92	MH714647	17	Pond water	Proteobacteria	Sphingomonadaceae	<i>Polymorphobacter fuscus</i>	NR_145642.1	99
N93	MH714648	37	Sea water	Firmicutes	Bacillaceae	<i>Bacillus infantis</i>	NR_043267.1	99
N96	MH714649	17	Sediment	Proteobacteria	Acetobacteraceae	<i>Roseomonas eburnea</i>	NR_147765.1	97
N106	MH714650	17	Melt water	Actinobacteria	Microbacteriaceae	<i>Salinibacterium xinjiangense</i>	NR_043893.1	99