Collection of Marine Microorganisms (KMM)

KMM CATALOGUE

Collection of Marine Microorganisms (KMM), G.B. Elyakov Pacific Institute of Bioorganic Chemistry, Far Eastern Branch, Russian Academy of Sciences

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CONTENT

Prokaryota

Domain *Bacteria*

Phylum *Actinobacteria*

***Agrococcus* sp.**
KMM 8026 = Z 325 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic.

Arthrobacter agilis
KMM 3540 = Z 1 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic.

***Arthrobacter* sp.**
KMM 1372 = Pi 44 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** M&E (2008), 23, 209-214, Romanenko LA *et al*.

***Arthrobacter* sp.**
KMM 1374= Pi 57/ Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

***Arthrobacter* sp.**
KMM 6092, M-3Alg 41; the green alga *Ulva fenestrata,* Posiet Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Arthrobacter* sp.**
KMM 6347, 30-P-B 4/4; the coral *Palythoa* sp.; Vanfong Bay, South China Sea; marine agar (Difco), 25-28°C; aerobic.

***Arthrobacter* sp.**
KMM 6438, M-5Alg 15/2; a brown alga *Chorda filum*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Arthrobacter* sp.**
KMM 6523, IDSW-6; sea water, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Arthrobacter* sp.**
KMM 8027 = Z 189 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic

***Arthrobacter* sp.**
KMM 8028 = Z 323 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic.

Brevibacterium celere (Ivanova *et al.*, 2004)
KMM 3637^T =F 81 = DSM 15453^T = ATCC BAA-809^T / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 2107-2111, Ivanova EP *et al.*

Brevibacterium celere (Ivanova *et al.*, 2004)
KMM 6008 = Fg 81 / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 2107-2111, Ivanova EP *et al.*

***Brevibacterium* sp.**
KMM 6159, M-1Alg 34; the red alga *Polysiphonia* sp., the Okhotsk Sea; marine agar (Difco), 25-28°C; aerobic.

***Brevibacterium* sp.**
KMM 6229, 30-P-B 32/1; the coral *Palythoa* sp., Vanfong Bay, South China Sea; marine agar (Difco), 25-28°C; aerobic.

***Brevibacterium* sp.**
KMM 6288, M-12MB-1; seawater, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
***Brevibacterium* sp.**
KMM 6310, M-12MB-12; seawater, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Citricoccus* sp.**
KMM 3890= Sa18-13 /Bottom sediments, the Sakhalin seashore 143º 39’ 469 N; 52º 03’064 E, a depth of 48 m / Medium 1, 28 ºC, aerobic / Produces siderophore nocardamine. **Reference:** Microbiol Res (2011), 166, 654-661, Kalinovskaya NI *et al*.

***Citricoccus* sp.**
KMM 8029 = Z 267 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 C, aerobic.

***Clavibacter* sp.**
KMM 3530; 16-K-23; the red alga *Chondrus* sp.; the Okhotsk Sea; marine agar (Difco), 25-28°C; aerobic.

***Demequina* sp.**
KMM 6531, M-9Alg 12, the red alga *Tichocarpus crinitus*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Dietzia* sp.**
KMM 6507, IDSW 11, sea water, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Dietzia* sp.**
KMM 6508, IDSW 12, sea water, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Dietzia* sp.**
KMM 6509, IDSW 13, sea water, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Knoellia* sp.**
KMM 6350, M-Sgm 3; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Kocuria marina Kim *et al*. 2004, sp. nov.
KMM 3905^T (=.CCUG 51442 = JCM 13363 = KCTC 9943); M-10G-6^T; the bottom sediments; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM, 2004, **54**, 1617-1620

***Kocuria* sp.**
KMM 1468 = Pi2-60Y /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** M&E (2008), 23, 209-214, Romanenko LA *et al*.

***Kocuria* sp.**
KMM 6465, M-16G-8; the bottom sediments; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Kocuria* sp.**
KMM 6468, M-16G-9; the bottom sediments; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Kocuria* sp.**
KMM 6473, M-16G-16; the bottom sediments; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Kocuria* sp.**
KMM 9165 = Pi3-67 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** M&E (2008), 23, 209-214, Romanenko LA *et al*.

***Microbacterium* sp.**
KMM 1408 = Pi2-62 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** M&E (2008), 23, 209-214, Romanenko LA *et al*.

***Microbacterium* sp.**
KMM 1409 = Pi2-63 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** M&E (2008), 23, 209-214, Romanenko LA *et al*.

***Microbacterium* sp.**
KMM 1544 = Pi2-61 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** M&E (2008), 23, 209-214, Romanenko LA *et al*.

***Micrococcus* sp.**
KMM 6094, M-5Alg 4; the brown alga *Chorda filum*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Micrococcus* sp.**
KMM 6103, M-Scm 2; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Micrococcus* sp.**

KMM 6104, M-Scm 3; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Micrococcus* sp.**
KMM 6111, M-Scm 13; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Micrococcus* sp.**
KMM 6112, M-Scm 14; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Micrococcus* sp.**
KMM 6236, 30-PZ-B7; the coral *Palythoa* sp.; Vanfong Bay, South China Sea; marine agar (Difco), 25-28°C; aerobic.

***Micrococcus* sp.**
KMM 6250, M-Scm 1; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Micrococcus* sp.**
KMM 6336, 30-PZ-B 7; the coral *Palythoa* sp.; Vanfong Bay, South China Sea; marine agar (Difco), 25-28°C; aerobic.

***Micrococcus* sp.**
KMM 6337, 30-Sh-B4; a shrimp…; Vanfong Bay, South China Sea; marine agar (Difco), 25-28°C; aerobic.
***Micrococcus* sp.**
KMM 6338, 30-Sh-B5; an undentified shrimp; Vanfong Bay, South China Sea; marine agar (Difco), 25-28°C; aerobic.

***Micrococcus* sp.**
KMM 6342, 30-PZ-B6; the coral *Palythoa* sp.; Vanfong Bay, South China Sea; marine agar (Difco), 25-28°C; aerobic.
***Micrococcus* sp.**
KMM 6413, M-5Alg 8; the brown alga *Chorda filum*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Micrococcus* sp.**
KMM 6428, M-Scm 15; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Micrococcus* sp.**
KMM 9069 = a13 /Seaweed *Dictyopteris divaricata,* the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Micrococcus* sp.**
KMM 9125 = Pi3-25 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** M&E (2008), 23, 209-214, Romanenko LA *et al*.

***Micromonospora* sp.**
KMM 9278 = Sa26-13 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic.

***Nocardioides* sp.**
KMM 1450 = Pi2-60 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** M&E (2008), 23, 209-214, Romanenko LA *et al*.

***Nocardioides* sp.**
KMM 6289, M-12MB-10; seawater; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Nocardiopsis umidischolae
KMM 7036 =29-89-4 /sponge *Mycale* sp., shi. Deryugin, Sea of Okhotsk, - 606 m, Pacific Ocean, 2003, Russia /Medium 1 or 3, 25ºC.

***Pseudoclavibacter* sp.**
KMM 6340, 30-3-13-B3; …; Vanfong Bay, South China Sea; marine agar (Difco), 25-28°C; aerobic.

Rhodococcus yunnanensis
KMM 6536, M-4Alg 4; the brown alga *Saccharina japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Rhodococcus* sp.** KMM 6093; M-4Alg 36; the brown alga *Saccharina japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Promicromonospora* sp.**
KMM 9195 = Sa4-18 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic.

***Promicromonospora* sp.**
KMM 9196 = Sa4-19 / Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic.

Saccharothrix espanaensis
KMM 3885 = An 113 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic / Produces angucyclines, angucyclinones, diketopiperazines. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*. NPC (2008), 3, 1611-1616, Kalinovskaya NI *et al*. NPC (2010), 5, 597-602, Kalinovskaya NI *et al*.

Salinibacterium amurskyense Han *et al*. 2003, sp. nov. (Type species of the genus).
KMM 3673^{T}, V1SW 58/2^{T}; seawater, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2003), 53, 2061-2066.

Salinibacterium amurskyense Han *et al.* 2003
KMM 3670; V1SW 30; sea water, Amursky Bay; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2003), 53, 2061–2066.

Salinibacterium amurskyense Han *et al*. 2003, sp. nov.
KMM 3928, V1SW 38/2; seawater, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2003), 53, 2061-2066.

Salinibacterium amurskyense Han *et al*. 2003, sp. nov.
KMM 6296, M-Sg 59; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Salinibacterium amurskyense Han *et al*. 2003, sp. nov.

KMM 6297, M-Scf 74; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Salinibacterium* sp.**
KMM 8030 = Z 326 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 3053 = 14-109-10 /Sponge *Axinella blanca*, the Bering Sea/ Medium 1, 30 ºC, aerobic.

***Streptomyces* sp.**
KMM 6115, M-Sh A1; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Streptomyces* sp.**
KMM 6116, M-Sh A2; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Streptomyces* sp.**
KMM 6117, M-Sh 36; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Streptomyces* sp.**
KMM 6119, M-14G-13; the bottom sediments; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Streptomyces* sp.**
KMM 6118, M-Sh 39; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Streptomyces* sp.**
KMM 6441, M-6Alg 185/4; the green alga *Ulva fenestrata*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Streptomyces* sp.**
KMM 6442, M-9Alg 313; the red alga *Tihocarpus crinitis*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Streptomyces* sp.**
KMM 6443, M-17SW-78; seawater; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Streptomyces* sp.**
KMM 6500, M-6Alg 100/2; the green alga *Ulva fenestrata*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Streptomyces* sp.**
KMM 7240 = 31-1-9/10 /sponge *Phorbas paucistylifer*, Aniva Bay, i. Sakhalin, 39m, 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

***Streptomyces* sp.**
KMM 9044 = D15 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9045 = D16 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9046 = D17 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9047 = D18 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9048 = D19 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9057 = a1 /Seaweed *Dictyopteris divaricata,* the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9072 = a16 /Seaweed *Dictyopteris divaricata,* the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9073 = a17 /Seaweed *Dictyopteris divaricata,* the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9083 = PA8/1 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9163 = Pi3-65 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9164 = Pi3-66 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9293 = Sa27-15/2 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9294 = Sa27-16 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9299 = Sa29-5 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9322 = Sa31-17 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9336 = Sa31-31 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9372 = Sl32 /Bottom sediments, the Sea of Japan / Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9408 = Sl68 /Bottom sediments, the Sea of Japan/ Medium 1, 28 ºC, aerobic.

***Streptomyces* sp.**
KMM 9409 = Sl69 /Bottom sediments, the the Sea of Japan / Medium 1, 28 ºC, aerobic.

Unidentified strains of actinobacteria

KMM 7060 = 5d1 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7061= 5d2 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7062 =5d3 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7063 =5d4 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7064 =5d5 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7065 =5d6 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7066 = 5d7 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7067 = 5d8 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7068 = 5d9 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7069 = 5d10 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7070 = 5d11 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7071 = 5d12 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7072 = 5d13 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7073 = 5d14 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7074 = 5d15 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan,1995, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7075 = 1d1 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7076 = 1d2/sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7077 = 1d3 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7078 = 1d4 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7079 = 1d5 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7080 = 1d6 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7081 = 1d7 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7082 = 1d8 /sediment littoral, Troitsa Bay, Posiet Bay, Sea of Japan, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7083 = 6A1-4 /sediment littoral, Amursky bay, Sea of Japan, 2006, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7084 = 6A1-7 /sediment littoral, Amursky bay, Sea of Japan, 2006, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7085 = 6A1-8 /sediment littoral, Amursky bay, Sea of Japan, 2006, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7083 = 6A4-2 /sediment littoral, Amursky bay, Sea of Japan, 2006, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7083 = 6A8-8 /sediment littoral, Amursky bay, Sea of Japan, 2006, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7083 = 6A8-11 /sediment littoral, Amursky bay, Sea of Japan, 2006, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7083 = 6A8-13 /sediment littoral, Amursky bay, Sea of Japan, 2006, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7085 = 27-7g1 /bottom sediment, Sea of Okhotsk, 63 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7086= 27-7g2 / bottom sediment, Sea of Okhotsk, 63 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7087 = 27-7g3 / bottom sediment, Sea of Okhotsk, 63 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7088 = 27-7g4 / bottom sediment, Sea of Okhotsk, 63 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7089 = 27-8g2 / bottom sediment, Sea of Okhotsk, 43 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7090 = 27-8g3 / bottom sediment, Sea of Okhotsk, 43 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7091 = 27-8g4 / bottom sediment, Sea of Okhotsk, 43 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7092 = 27-8g6 / bottom sediment, Sea of Okhotsk, 43 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7093 = 27-8g7 / bottom sediment, Sea of Okhotsk, 43 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7094 = 27-9g1 / bottom sediment, Sea of Okhotsk, 57 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7095= 27-9g2 / bottom sediment, Sea of Okhotsk, 57 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic
KMM 7096 =27-9g3 / bottom sediment, Sea of Okhotsk, 57 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic
KMM 7097 = 27-9g5 /bottom sediment, Sea of Okhotsk, 57 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7098 =27-10g1 /bottom sediment, Sea of Okhotsk, 71 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7099 = 27-10g2 /bottom sediment, Sea of Okhotsk, 71 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7100 = 27-10g3 /bottom sediment, Sea of Okhotsk, 71 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7101 =27-10g4 /bottom sediment, Sea of Okhotsk, 71 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7102 = 27-16g1 /sediment, Aniva Bay, Sea of Okhotsk, 145 m, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7103 = 27-16g2 /sediment, Aniva Bay,Sea of Okhotsk, 145 m, 2001, Russia/ 1 or 3, 25ºC, aerobic.

KMM 7104 =27-18g1 /sediment, Aniva Bay,Sea of Okhotsk, 42 m, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7105 = 27-18g2 /sediment, Aniva Bay,Sea of Okhotsk, 42 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7106 =27-18g3 / sediment, Aniva Bay, Sea of Okhotsk, 42 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7107 = 27-18-3/1 /mollusc *Nuculana pernula* , Aniva Bay, Sea of Okhotsk, 42 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7108 = 27-18-3/2 /mollusc *Nuculana pernula* , Aniva Bay, Sea of Okhotsk, 42 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7109 =27-18-3/4 /mollusc *Nuculana pernula* , Aniva Bay, Sea of Okhotsk, 42 m, 2001, Russia/Medium 1 or 3, 25ºC, aerobic.

KMM 7110 =27-20g3 /sediment, Aniva Bay, Sea of Okhotsk, 76 m, 2001, Russia /Medium 1 or 3, 25ºC, aerobic.

KMM 7111 = 27-20g4 /sediment, Aniva Bay,Sea of Okhotsk, 76 m, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7112= 27-20g5 / sediment, Aniva Bay,Sea of Okhotsk, 76 m, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7113 = 27-20-1/1 /mollusc *Leonucula* sp., Aniva Bay, Sea of Okhotsk, 76 m, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7114 = 27-20-1/2 /mollusc *Leonucula sp.*, Aniva Bay, Sea of Okhotsk, 76 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7115 = 27-21g1 /sediment, Aniva Bay, Sea of Okhotsk, 46 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7116 =27-21g2 /sediment, Aniva Bay, Sea of Okhotsk, 46 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7117= 27-21g3 /sediment, Aniva Bay, Sea of Okhotsk, 46 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7118= 27-21-2/1 /mollusc *Macoma loveni*, Aniva Bay, Sea of Okhotsk, 46 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7119= 27-21-2/2 /mollusc *Macoma loveni*, Aniva Bay, Sea of Okhotsk, 46 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7120= 27-21-2/3 /mollusc *Macoma loveni*, Aniva Bay, Sea of Okhotsk, 46 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7121 = 27-23g1 /sediment, Aniva Bay, Sea of Okhotsk, 61 m, 2001, Russia / Medium 1 or 2, 25ºC, aerobic.

KMM 7122 = 27-23g2 /sediment, Aniva Bay, Sea of Okhotsk, 61 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7123 = 27-23g3 /sediment, Aniva Bay, Sea of Okhotsk, 61 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7124 = 27-23g4 /sediment, sediment, Aniva Bay, Sea of Okhotsk, 61 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7125 = 27-23g5 /sediment, Aniva Bay, Sea of Okhotsk, 61 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7126 = 27-23g6 /sediment Aniva Bay, Sea of Okhotsk, 61 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7127 = 27-23-2/1 /O*phiuroidea Gorgonocephalus* sp., Aniva Bay, Sea of Okhotsk, 61 m, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7128 = 27-23-2/2 /*Ophiuroidea Gorgonocephalus sp.*, Aniva Bay, Sea of Okhotsk, 61 m, 2001, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7129 = 27-26g1 /sediment, Aniva Bay, Sea of Okhotsk, 26 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7130 = 27-26g2 /sediment, Aniva Bay, Sea of Okhotsk, 26 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7131 = 27-26g3 /sediment, Aniva Bay, Sea of Okhotsk, 26 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7132 = 27-26-1/3 /sponge *Hymeniacidon assimilis*, Aniva Bay, Sea of Okhotsk, 26 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7133 = 27-26-1/5 /sponge *Hymeniacidon assimilis*, Aniva Bay, Sea of Okhotsk, 26 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7134 = 27-26-1/6 /sponge *Hymeniacidon assimilis*, Aniva Bay, Sea of Okhotsk, 26 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7135 =27-26-2/1 /sponge *Calcarea* sp.*,* Aniva Bay, Sea of Okhotsk, 26 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7136 = 27-26-2/2 /sponge *Calcarea* sp.*,* Aniva Bay, Sea of Okhotsk, 26 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7137 = 2 7-27g1 /sediment, Aniva Bay, Sea of Okhotsk, 58 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7138 = 27-27g2 / sediment, Aniva Bay, Sea of Okhotsk, 58 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7139= 27-27g3 / sediment, Aniva Bay, Sea of Okhotsk, 58 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7140 = 27-27-1/1 / sea urchin *Strongylocentrotus* sp., Aniva Bay, Sea of Okhotsk, 58 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7141 = 27-27-1/2 /sea urchin *Strongylocentrotus* sp., Aniva Bay, Sea of Okhotsk, 58 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic
KMM 7142 = 27-27-1/3 /sea urchin *Strongylocentrotus* sp., Aniva Bay, Sea of Okhotsk, 58 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7143 =27-27-2/2 /*Ophiuroidea Gorgonocephalus sp.*, Aniva Bay, Sea of Okhotsk, 58 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7144 =27-27-2/3 /*Ophiuroidea Gorgonocephalus* sp., Aniva Bay, Sea of Okhotsk, 58 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic
KMM 7145 = 27-28-1/1 /sponge *Homaxinella subdola ,* Aniva Bay, Sea of Okhotsk, 73m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7146 =27-28-1/3 /sponge *Homaxinella subdola*, Aniva Bay, Sea of Okhotsk, 73 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7147 =27-29-2/3 /sponge *Halichondria panicea*, Aniva Bay, Sea of Okhotsk, 36 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7148=27-29-2/4 /songe *Halichondria panicea*, Aniva Bay, Sea of Okhotsk, 36 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7149 =27-29g5 /sediment, Aniva Bay, Sea of Okhotsk, 36 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7150 = 27-29g6 /sediment, Aniva Bay, Sea of Okhotsk, 36 m, 2001, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7151 = 29-1g1 /sediment, Peter the Great Bay, Sea of Japan, 33 m, 2003, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7152 = 29-1g2 /sediment, Peter the Great Bay, Sea of Japan, 33 m, 2003, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7153 = 29-1g3 /sediment, Peter the Great Bay, Sea of Japan, 33 m, 2003, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7154 = 29-1g4 /sediment, Peter the Great Bay, Sea of Japan, 33 m, 2003, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7155 = 29-1g5 /sediment, Peter the Great Bay, Sea of Japan, 33 m, 2003, Russia / Medium 1 or 3, 25ºC, aerobic.

KMM 7156=31-51-2/3 /sponge *Suberites* sp. i. Kunashir, Sea of Okhotsk, 550 m, 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7157= 31-51-3/3 /sponge *Suberites japonicus*, i. Kunashir, Sea of Okhotsk, 550 m, 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7158=31-51-3/4 /sponge *Suberites japonicus*, i. Kunashir, Sea of Okhotsk, 550 m, 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7159=31-51-3/5 /sponge *Suberites japonicus*, i. Kunashir, Sea of Okhotsk, 550 m, 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7160 =31-51-3/6 /sponge *Suberites japonicus*, i. Kunashir, Sea of Okhotsk, 550 m, 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7161=31-51-3/7 /sponge *Suberites japonicus*, i. Kunashir, Sea of Okhotsk, 550 m, 2005, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7162=31-51-7/2 /sponge *Bathydorus* sp., i. Kunashir, Sea of Okhotsk, 550 m, 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7163=31-51-7/3 /sponge *Bathydorus* sp., i. Kunashir, Sea of Okhotsk, 550 m, 2005, Russia/ Medium 1 or 3, 25ºC,aerobic.

KMM 7164=31-51-7/4 /sponge *Bathydorus* sp., i. Kunashir, Sea of Okhotsk, 550 m, 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7165=31-51-7/5 /sponge *Bathydorus* sp., i. Kunashir, Sea of Okhotsk, 550 m, 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7166=31-51-7/6 /sponge *Bathydorus* sp., i. Kunashir, Sea of Okhotsk, 550 m, 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7167=31-51-7/7 /sponge *Bathydorus* sp., i. Kunashir, Sea of Okhotsk, 550 m, 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7168=31-51-14/ 2 /sponge *Aphrocalistes vastus*, i. Kunashir, Sea of Okhotsk, 550 m, 2005, Russia/ Medium 1 or 3, 25ºC aerobic.

KMM 7169=31-51-14/3 /sponge *Aphrocalistes vastus*, i. Kunashir, Sea of Okhotsk, 550 m, 2005, Russia/ Medium 1 or 3, 25ºC aerobic.

KMM 7170 = 34-59g4 /sediment, Vanfong Bay, South China Sea, 10 m, 2007, Vietnam/ Medium 1 or 3, 25ºC.

KMM 7171 = 34-59g5 /sediment, Vanfong Bay, South China Sea, 10 m, 2007, Vietnam/ Medium 1 or 3, 25ºC.

KMM 7172 =34-62g3 /sediment, Vanfong Bay, South China Sea, 6 m, 2007, Vietnam/ Medium 1 or 3, 25ºC.

KMM 7173 =34-62g4 /sediment, Vanfong Bay, South China Sea, 6 m, 2007, Vietnam/ Medium 1 or 3, 25ºC.

KMM 7174 =34-62g5 /sediment, Vanfong Bay, South China Sea, 6 m, 2007, Vietnam/ Medium 1 or 3, 25ºC.

KMM 7175 =34-62g6 /sediment, Vanfong Bay, South China Sea, 6 m, 2007, Vietnam/ Medium 1 or 3, 25ºC.

KMM 7176 =34-62g7 /sediment, Vanfong Bay, South China Sea, 6 m, 2007, Vietnam/ Medium 1 or 3, 25ºC.

KMM 7177 =34-62g8 /sediment, Vanfong Bay, South China Sea, 6 m, 2007, Vietnam/ Medium 1 or 3, 25ºC.

KMM 7178 = 34-62g9 /sediment, Vanfong Bay, South China Sea, 6 m, 2007, Vietnam/ Medium 1 or 3, 25ºC.

KMM 7179 = 34-62g10 /sediment, Vanfong Bay, South China Sea, 6 m, 2007, Vietnam/ Medium 1 or 3, 25ºC.

KMM 7180 = 34-10d1 /sediment, shi.Vangard, South China Sea, 200 m, 2007,Vietnam/ Medium 1 or 3, 25ºC.

KMM 7181 =34-10d2 /sediment, shi.Vangard, South China Sea, 200 m, 2007,Vietnam/ Medium 1 or 3, 25ºC.

KMM 7182 = 34-10d3 /sediment, shi.Vangard, South China Sea, 200 m, 2007,Vietnam/ Medium 1 or 3, 25ºC.

KMM 7183 =34-10d4 /sediment, shi.Vangard, South China Sea, 200 m, 2007,Vietnam/ Medium 1 or 3, 25ºC.

KMM 7184 =34-10d5 /sediment, shi.Vangard, South China Sea, 200 m, 2007,Vietnam/ Medium 1 or 3, 25ºC.

KMM 7185 =34-10d6 /sediment, shi.Vangard, South China Sea, 200 m, 2007,Vietnam/ Medium 1 or 3, 25ºC.

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KMM 7186 =34-10d7 /sediment, shi.Vangard, South China Sea, 200 m, 2007,Vietnam/ Medium 1 or 3, 25ºC.

KMM 7210 = St1 /sediment, Posiet Bay, Sea of Japan, 2m, 2002, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7231 = S05-1 /sediment, Posiet Bay, Sea of Japan, 2m, 2002, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7232 = S05-2a /sediment, Posiet Bay, Sea of Japan, 2m, 2002, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7233 = S05-2b /sediment, Posiet Bay, Sea of Japan, 2m, 2002, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7234 = S05-2c /sediment, Posiet Bay, Sea of Japan, 2m, 2002, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7235 = S05-3 /sediment, Posiet Bay, Sea of Japan, 2m, 2002, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7236 = S05-4 /sediment, Posiet Bay, Sea of Japan, 2m, 2002, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7237 = S05-6 /sediment, Posiet Bay, Sea of Japan, 2m, 2002, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7238 = S05-7 /sediment, Posiet Bay, Sea of Japan, 2m, 2002, Russia/ Medium 1 or 3, 25ºC , aerobic.

KMM 7239 = S05-8 /sediment, Posiet Bay, Sea of Japan, 2m, 2002, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7241 = 31-1-9/30 /sponge *Phorbas paucistylifer*, Aniva Bay, i. Sakhalin, 39m, 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7242 = 31-2-5/6 /mud sediment, Aniva Bay, i. Sakhalin, 37m, 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7243 = 31-2-5/14 /mud sediment, Aniva Bay, i. Sakhalin, 37m , 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7244 = 31-1-6/6 /sponge *Spongionella schmidti,* Aniva Bay, i. Sakhalin, 39m, 2005, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7601 = 9A2-1 /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7602 = 9A2-2 /sediment littoral , Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7603 = 9A2-3 /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7604 = 9A2-4 /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7605 = 9A2-5 /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009,Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7606 = 9A2-6 /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7607 = 9A2-7 /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7608 = 9A2-8 /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7609 = 9A2-9 /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7610 = 9A2-10 /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7611 = 9A2-10a /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7612 = 9A2-11 /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ 2009, Medium 1 or 3, 25ºC, aerobic.

KMM 7613 = 9A2-11a /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ 2009. Medium 1 or 3, 25ºC, aerobic.

KMM 7614 = 9A2-11c /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ 2009. Medium 1 or 3, 25ºC, aerobic.

KMM 7615 = 9A2-8/36 /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7616 = 9A2-8/49 /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7617 = 9A2-8w /sediment littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7618 = 9A3-1 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7619 = 9A3-2 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7620 = 9A3-3 /seawater littoral,Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7621 = 9A3-4 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7622 = 9A3-5 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7623 = 9A3-6 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7624 = 9A3-7 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7625 = 9A3-8 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7626 = 9A3-9 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7627 = 9A3-10 /seawater, littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7628 = 9A3-10a /seawater, littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7629 = 9A3-11 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7630 = 9A3-11a /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7631 = 9A3-12 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7632 = 9A3-13 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7633 = 9A3-14 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7634 = 9A3-15 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7635 = 9A3-16 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7636 = 9A3-17 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7637 = 9A3-18 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7638 = 9A3-19 /seawater littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1or 3, 25ºC, aerobic.

KMM 7639 = 9A4-1 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7640 = 9A4-2 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7641 = 9A4-3 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7642 = 9A4-5 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7643 = 9A4-8 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7644 = 9A4-10 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7645 = 9A4-11 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7646 = 9A4-17 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7647 = 9A4-18 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7648 = 9A4-22 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7649 = 9A4-23 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ . Medium 1 or 3, 25ºC, aerobic.

KMM 7650 = 9A4-24 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7651 = 9A4-25 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7652 = 9A4-27 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7653 = 9A4-28 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7654 = 9A4-30 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7655 = 9A4-34 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7656 = 9A4-35 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7657 = 9A4-39 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7658 = 9A4-41 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7659 = 9A4-42 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7660 = 9A4-44 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7661 = 9A4-49 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7662 = 9A4-54 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7663 = 9A4-55 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7664 = 9A4-59 /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7665 = 9A4-7a /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC.

KMM 7666 = 9A4-40a /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7667 = 9A4-41a /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7668 = 9A4-42a /seagrass littoral, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7669 = 9A1-1 /decaying alga littoral, Uglovoy bay, Amursky bay, Sea of Japan 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7670 = 9A1-2 /decaying alga littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7671 = 9A1-3 /decaying alga littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7672 = 9A1-4 /decaying alga littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ 2009. Medium 1 or 3, 25ºC, aerobic.

KMM 7673 = 9A1-5 /decaying alga littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ 2009. Medium 1 or 3, 25ºC, aerobic.

KMM 7674 = 9A1-6 /decaying alga littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ 2009. Medium 1 or 3, 25ºC, aerobic.

KMM 7675 = 9A1-7 /decaying alga littoral,. Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7676 = 9A1-8 /decaying alga littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7677 = 9A1-9 /decaying alga littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7678 = 9A1-10 /decaying alga littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7679 = 9A1-11 /decaying alga littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ . Medium 1 or 3, 25ºC, aerobic

KMM 7680 = 9A1-12 /decaying alga littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7681 = 9A1-13 /decaying alga littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7682 = 9A1-14 /decaying alga littoral, Uglovoy bay, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7683 = 9A8-1 /marine sludge mudbath, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7684 = 9A8-2 /marine sludge mudbath, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7685 = 9A8-3 /marine sludge mudbath, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7686 = 9A8-4 /marine sludge mudbath, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7687 = 9A8-5 /marine sludge mudbath, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7688 = 9A8-6 /marine sludge mudbath, Amursky bay, Sea of Japan, 2009, Russia/ 2009. Medium 1 or 3, 25ºC.

KMM 7689 = 9A8-7 /marine sludge mudbath, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.
KMM 7690 = 9A8-8 /marine sludge mudbath, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7691 = 9A8-9 /marine sludge mudbath, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7692 = 9A8-10 /marine sludge mudbath, Amursky bay, Sea of Japan, 2009,Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7693 = 9A8-11 /marine sludge mudbath, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7694 = 9A8-12 /marine sludge mudbath, Amursky bay, Sea of Japan, 2009, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7695 = 9A10-1 /sandy beach Amursky bay, Sea of Japan, 2010, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7696 = 9A10-2 /sandy beach Amursky bay, Sea of Japan, 2010, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7697 = 9A10-3 /sandy beach Amursky bay, Sea of Japan, 2010, Russia/ Medium 1 or 3, 25ºC, aerobic.
KMM 7698 = 9A10-4 /sandy beach Amursky bay, Sea of Japan, 2010, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7699 = 9A10-5 /sandy beach Amursky bay, Sea of Japan, 2010, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7700 = 9A10-6 /sandy beach Amursky bay, Sea of Japan, 2010, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7701 = 9A10-7 /sandy beach Amursky bay, Sea of Japan, 2010, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7702 = 9A10-8 /sandy beach Amursky bay, Sea of Japan, 2010, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7703 = 9A10-9 /sandy beach Amursky bay, Sea of Japan, 2010, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7704 = 9A10-10 /sandy beach Amursky bay, Sea of Japan, 2010, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7705 = 9A10-11 /sandy beach Amursky bay, Sea of Japan, 2010, Russia/ Medium 1 or 3, 25ºC, aerobic.

KMM 7706 = 9A10-12 /sandy beach Amursky bay, Sea of Japan, 2010, Russia/ Medium 1 or 3, 25ºC, aerobic.

Phylum *Bacteroidetes*

Class *Cytophagia*

Algoriphagus aquimarinus Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3958^T = CCUG 47101 = LMG 21971; V1SW110/1^T; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2004), 54, 1757-1764.

Algoriphagus chordae Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3957T = CCUG 47095 = LMG 21970; M-5Alg 14^T; the brown alga *Chorda filum*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2004), 54, 1757-1764.

Algoriphagus vanfongensis Nedashkovskaya *et al*. 2007, sp. nov.
KMM 6241^T = DSM 17529 = KCTC 12716; 30-P-B 30^T; the coral *Palythoa* sp., South China Sea; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2007), 57, 1988-1994.

Algoriphagus winogradskyi Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3977, M-2Alg 34/2; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Algoriphagus winogradskyi Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3956^T (= CCUG 47094 = JCM 13505 = LMG 21969), M-2Alg 14^T; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2004), 54, 1757-1764.

Algoriphagus winogradskyi Nedashkovskaya *et al*. 2004
KMM 6077; V1SW 62/1; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Algoriphagus winogradskyi Nedashkovskaya *et al*. 2004
KMM 6309, M-15G-28; the bottom sediments, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Algoriphagus winogradskyi Nedashkovskaya *et al*. 2004
KMM 6430, M-15G-21; the bottom sediments, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Algoriphagus* sp.**
KMM 3024 = 14-109-4 /Sponge *Axinella blanca*, the Bering Sea/ Medium 1, 28 ºC, aerobic.

***Algoriphagus* sp.**
KMM 8018 = Z 10 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic.

***Algoriphagus* sp.**

KMM 8019 = Z 256 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic.

Cyclobacterium amurskyense Nedashkovskaya *et al*. 2005, sp. nov.
KMM 6143^T = KCTC 12363 = LMG 23026; V1SW 70^T; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2005), 55, 2391-2394.

Echinicola pacifica Nedashkovskaya *et al*. 2006, sp. nov. (Type species of the genus).
KMM 6166, M-Sgm 6; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2006), 56, 953-958.

Echinicola pacifica Nedashkovskaya *et al*. 2006, sp. nov. (Type species of the genus).
KMM 6172^T (= KCTC 12368 = LMG 23350), M-Scf 12^T; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2006), 56, 953-958.

Echinicola pacifica Nedashkovskaya *et al*. 2006, sp. nov. (Type species of the genus).
KMM 6173, M-Sgm 7; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2006), 56, 953-958.

Echinicola vietnamensis Nedashkovskaya *et al*. 2007, sp. nov.
KMM 6221^T = DSM 17526 = LMG 23754; B-534^T; sea water, South China Sea; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2007), 57, 761-763.

Fulvivirga kasyanovii Nedashkovskaya *et al*. 2007, sp. nov. (Type species of the genus).
KMM 6220^T (= CCTCC AB 206119 = JCM 16186 = KCTC 12832), B524^T; sea water, South China Sea; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2007), 57, 1046-1049.

Larkinella insperata Vancanneyt *et al*. 2006 emend. Anandham *et al*. 2011. (Type species of the genus).
LMG 22510^T = NCIMB 14103; a pharmaceutical company steam generator, Belgium; Spirosoma medium, 25-28°C; aerobic. Reference: JSEM (2006), 56, 237-241; IJSEM (2011), 61, 30-34.

Marivirga tractuosa (Lewin 1969) Nedashkovskaya *et al*. 2010, comb. nov. (Type species of the genus).
KMM 6275, KCTC 2958^T plate; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2010), 60, 1858-1863.

Marivirga tractuosa Lewin 1969) Nedashkovskaya *et al*. 2010, comb. nov. (Type species of the genus).
KMM 6276, plate; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2010), 60, 1858-1863.

Reichenbachiella agariperforans (Nedashkovskaya *et al*. 2003) Nedashkovskaya *et al*. 2005, comb. nov. (Type species of the genus).
KMM 3525^T = JCM 11238 = NBRC 16625; V1SW 5/1^T; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2003), 53, 81-85; IJSEM (2005), 55, 2583-2588.

Roseivirga echinicomitans Nedashkovskaya *et al*. 2005, sp. nov.

KMM 6058^T = KCTC 12370 = LMG 22587; M-Sgm 2^T; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2005), 55, 1797-1800.

Class *Flavobacteriia*

Algibacter lectus Nedashkovskaya *et al*. 2004, sp. nov. (Type species of the genus).
KMM 3902^T = DSM 15365 = JCM 21761 = KCTC 12103; M-3Alg-15/1^T; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2004), 54, 1257-1261.

Algibacter lectus Nedashkovskaya *et al*. 2004, sp. nov. (Type species of the genus).
KMM 3914; M-3Alg-60; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Reference: IJSEM (2004), 54, 1257-1261.
Algibacter lectus Nedashkovskaya *et al*. 2004, sp. nov. (Type species of the genus).
KMM 3970, M-2Alg 7/2; the green alga *Acrosiphonia sonderi,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Algibacter lectus Nedashkovskaya *et al*. 2004, sp. nov. (Type species of the genus).
KMM 6126, M-2Alg 25/2; the green alga *Acrosiphonia sonderi,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Algibacter lectus Nedashkovskaya *et al*. 2004, sp. nov. (Type species of the genus).
KMM 6165; M-3Alg-58; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Algibacter mikhailovii Nedashkovskaya *et al*. 2007, sp. nov.
KMM 6171^T (= KCTC 12710 = LMG 23988), M-Sh 74^T; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2007), 57, 2147-2150.

Aquimarina muelleri Nedashkovskaya *et al*. 2005, sp. nov. (Type species of the genus).
KMM 6021, V1SW 5/2; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Aquimarina muelleri Nedashkovskaya *et al*. 2005, sp. nov. (Type species of the genus).
KMM 6027; V1SW 45; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Aquimarina muelleri Nedashkovskaya *et al*. 2005, sp. nov. (Type species of the genus).
KMM 6028; V1SW 55; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2005), 55, 225-229.

***Aquimarina* sp.**
KMM 6125; M-3Alg-34; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Aquimarina* sp.**

KMM 6369, M-6Alg 35; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Aquimarina* sp.**
KMM 6371, M-6Alg 11; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Aquimarina* sp.**
KMM 6374, M-6Alg 67; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Aquimarina* sp.**
KMM 6391, M-6Alg 181; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Arenibacter certesii Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3941^T = CCUG 48006 = JCM 13507 = KCTC 12113; M-3Alg 28^T; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2004), 54, 1173-1176.

Arenibacter echinorum Nedashkovskaya *et al*. 2007, sp. nov.
KMM 6032^T = KCTC 22013 = LMG 22574; M-Sg-14^T; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2007), 57, 2655-2659.

Arenibacter echinorum Nedashkovskaya *et al*. 2007, sp. nov.
KMM 6047, M-Sg 5; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2007), 57, 2655-2659.

Arenibacter latericius Ivanova *et al*. 2001 emend. Nedashkovskaya *et al*. 2006, sp. nov. (Type species of the genus).

KMM 426^T = CCUG 45454 = CIP 106861 = JCM 13508 = LMG 19693 = VKM B-2137D, 8-4G-32/2^T, bottom sediments, South China Sea; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2001), 51, 1987-1995 Ivanova et al.; IJSEM (2006), 56, 155-160.
Arenibacter latericius Ivanova *et al*. 2001 emend. Nedashkovskaya *et al*. 2006, sp. nov. (Type species of the genus).

KMM 3522; M-3HB-28/1; the holothuriam *Aposichopus japonicus,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Arenibacter latericius Ivanova *et al*. 2001 emend. Nedashkovskaya *et al*. 2006, sp. nov. (Type species of the genus).

KMM 3523, 20-101/2; the brown alga *Chorda filum*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Arenibacter latericius Ivanova *et al*. 2001 emend. Nedashkovskaya *et al*. 2006, sp. nov. (Type species of the genus).
KMM 3528; 20-102/3; the brown alga *Chorda filum*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Arenibacter latericius Ivanova *et al*. 2001 emend. Nedashkovskaya *et al*. 2006, sp. nov. (Type species of the genus).
KMM 3557, M-3HB-28/2 ; the holothurian *Aposichopus japonicus*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Arenibacter troitsensis Nedashkovskaya *et al*. 2003, sp. nov.
KMM 3674^T = JCM 11736 = NBRC 101532; M-11G-17^T; the bottom sediments, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2003), 53, 1287-1290.

***Arenibacter* sp.**
KMM 6037, M-2Alg 61; the green alga *Acrosiphonia sonderi,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Arenibacter* sp.**
KMM 6041, M-2Alg 11/2; the green alga *Acrosiphonia sonderi,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Arenibacter* sp.**
KMM 6195, M-4Alg 39/2; the brown alga *Saccharina japonica,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Arenibacter* sp.**
KMM 6212, M-2Alg 62; the green alga *Acrosiphonia sonderi,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Arenibacter* sp.**
KMM 6273, M-Sg 43/2; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Bizionia echini Nedashkovskaya *et al*. 2010, sp. nov.
KMM 3965, Sgf 2; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Bizionia echini Nedashkovskaya *et al*. 2010, sp. nov.
KMM 3974, Scf 4; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Bizionia echini Nedashkovskaya *et al*. 2010, sp. nov.
KMM 6060, Scf 2; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Bizionia echini Nedashkovskaya *et al*. 2010, sp. nov.
KMM 6080, Scf 1; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Bizionia echini Nedashkovskaya *et al*. 2010, sp. nov.
KMM 6081, Scf 3; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Bizionia echini Nedashkovskaya *et al*. 2010, sp. nov.
KMM 6082, Scf 5; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Bizionia echini Nedashkovskaya *et al*. 2010, sp. nov.
KMM 6083, Scf 6; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Bizionia echini Nedashkovskaya *et al*. 2010, sp. nov.
KMM 6084, Scf 7; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Bizionia echini Nedashkovskaya *et al*. 2010, sp. nov.
KMM 6085, Scf 8; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Bizionia echini Nedashkovskaya *et al*. 2010, sp. nov.
KMM 6177^{T} (= KCTC 22015 = LMG 25220), M-Sgf 4; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2010), 60, 928-931.

Bizionia paragorgiae Nedashkovskaya *et al*. 2005, sp. nov. (Type species of the genus).
KMM 6029^{T} (= KCTC 12304 = LMG 225), 20-125/3^{T}; the soft coral *Paragorgia arborea,* the Okhotsk Sea; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2005), 55, 375-378.

Bizionia paragorgiae Nedashkovskaya *et al*. 2005, sp. nov. (Type species of the genus).
KMM 3679, 20-125/2; the soft coral *Paragorgia arborea,* the Okhotsk Sea; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2005), 55, 375-378.
Bizionia paragorgiae Nedashkovskaya *et al*. 2005, sp. nov. (Type species of the genus).
KMM 6141, 20-125/1; the soft coral *Paragorgia arborea,* the Okhotsk Sea; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2005), 55, 375-378.

***Bizionia* sp.**
KMM 6055, M-Scf 71/1; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Bizionia* sp.**
KMM 6086, M-Scf 67; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Bizionia* sp.**
KMM 6087, M-Scf 68; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Bizionia* sp.**
KMM 6276, M-Scf 72/1; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Cellulophaga fucicola Johansen *et al*. 1999, sp. nov.
KMM 6064; 16-10-13/1; the red alga *Polysiphonia* sp., the Okhotsk Sea; marine agar (Difco), 25-28°C; aerobic.

Cellulophaga fucicola Johansen *et al*. 1999, sp. nov.
KMM 6065; 16-10-13/3; the red alga *Polysiphonia* sp., the Okhotsk Sea; marine agar (Difco), 25-28°C; aerobic.

Cellulophaga lytica (Lewin 1969) Johansen *et al*. 1999, comb. nov. (Type species of the genus).
KMM 3517; M-3HL-23/1; the holothurian *Aposichopus japonicus*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Cellulophaga lytica (Lewin 1969) Johansen *et al*. 1999, comb. nov. (Type species of the genus).
KMM 3535; M-3Hc-1/1; the holothurian *Aposichopus japonicus,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Cellulophaga lytica (Lewin 1969) Johansen *et al*. 1999, comb. nov. (Type species of the genus).
KMM 6418, M-5Alg 10/1; the brown alga *Chorda filum*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Cellulophaga lytica (Lewin 1969) Johansen *et al*. 1999, comb. nov. (Type species of the genus).
KMM 6502; 7Alg 6; the green alga *Cladophora stimsonii,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Cellulophaga pacifica Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3664^{T} = JCM 11735 = LMG 21938 = NBRC 101531; V1SW-12^{T}; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2004), 54, 609-613.

Cellulophaga pacifica Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3669; V1SW 28; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Reference: IJSEM (2004), 54, 609-613.
Cellulophaga pacifica Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3915; V1SW 29; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2004), 54, 609-613.

***Cellulophaga* sp.**
KMM 3743; V1SW 6/1; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 3747; V1SW 33/1; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 3748; V1SW 106/1; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 6062; 20-104, the Okhotsk Sea; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 6063; 20-105/1, the Okhotsk Sea; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 6069; M-3Alg-50; the green alga *Ulva fenestrata,* Posiet Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 6072; V1SW 54; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 6073; M-4Alg-34; the brown alga *Saccharina japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 6121; M-4Alg-11; the brown alga *Saccharina japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 6122; M-4Alg-15; the brown alga *Saccharina japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 6123; M-4Alg-13; the brown alga *Saccharina japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 6124; M-3Alg-63; the green alga *Ulva fenestrata,* Posiet Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 6174; M-3Alg-56; the green alga *Ulva fenestrata,* Posiet Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 6418; M-5Alg 10; the brown alga *Chorda filum*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 6420, V1SW-37/2; seawater, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 6483; M-4Alg 40/1; the brown alga *Chorda filum*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.** KMM 6502; M-7Alg 8/1; the green alga *Cladophora stimsonii,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Cellulophaga* sp.**
KMM 8020 = ZBS 33 / Sea bottom sediment, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 C, aerobic

Corallibacter vietnamensis Kim et al., 2011, gen. nov. (the type species of the genus)

KMM 6217T (= JCM 17525^T = KCTC 23026^T), 30-P-B24^T, the coral *Palythoa* sp., Vanfong Bay, South China Sea; marine agar (Difco), 25-28°C; aerobic.

Corallibacter vietnamensis Kim et al., 2011, gen. nov. (the type species of the genus)
KMM 6332, 30-P-B25, the coral *Palythoa* sp., Vanfong Bay, South China Sea; marine agar (Difco), 25-28°C; aerobic.

Dokdonia genica
KMM 6505, M-6Alg 227; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Dokdonia* sp.**
KMM 6364, M-6Alg 251; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Dokdonia* sp.**
KMM 6388, M-6Alg 20; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Dokdonia* sp.**
KMM 6393, M-7Alg 12; the green alga *Cladophora stimpsonii,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Dokdonia* sp.**
KMM 6444, M-6Alg 48; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Dokdonia* sp.**
KMM 6506, M-6Alg 263; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Formosa algae (Ivanova *et al.*, 2004)
KMM 3553^T = CIP 107684^T / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 23ºC, aerobic. **Reference:** IJSEM (2004), 54, 705-711, Ivanova EP *et al.*

Formosa agariphila Nedashkovskaya *et al*. 2006, sp. nov.
KMM 3901^T (= DSM 15362 = KCTC 12365 = LMG 23005), M-2Alg 35/1^T; the green alga *Acrosiphonia sonderi,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2006), 56, 161-167.

Formosa agariphila Nedashkovskaya *et al*. 2006, sp. nov.
KMM 3962, V1SW 46/2; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2006), 56, 161-167.

***Formosa* sp.**
KMM 3963; M-4Alg-33; the brown alga *Saccharina japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 3971, V1SW 46/1; seawater, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 6035; M-11MB-19; seawater, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 6078; M-1Alg-31; the red alga *Polysiphonia japonica*., Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 6128, V1SW 111/1; seawater, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 6134; M-3Alg-19; the green alga *Ulva fenestrata*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 6135; M-3Alg 43; the green alga *Ulva fenestrata*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 6137, M-3Alg 49/1; the green alga *Ulva fenestrata*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 6147; M-4Alg-39; the brown alga *Saccharina japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 6175; M-3Alg-54; the green alga *Ulva fenestrata*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 6408; M-4Alg-35; the brown alga *Saccharina japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 6414; M-3Alg-49; the green alga *Ulva fenestrata*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 6423, M-2Alg 34/3; the green alga *Acrosiphonia sonderi,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 6424, M-2Alg 39/3; the green alga *Acrosiphonia sonderi,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 6429, M-12MB-26; seawater, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Formosa* sp.**
KMM 8021 = MF 2-3 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30ºC, aerobic

***Formosa* sp.**
KMM 8022 = MF 2-6 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30ºC, aerobic

Gillisia mitskevichiae Nedashkovskaya *et al*. 2005, sp. nov.
KMM 6034^T (= KCTC 12261 = LMG 22575 = NBRC 100590), V1SW 124^T; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Gillisia mitskevichiae Nedashkovskaya *et al*. 2005
KMM 6031 = KCTC 12262 = LMG 22573 = NBRC 100591; M-2Alg 63; the green alga *Acrosiphonia sonderi,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Gillisia mitskevichiae Nedashkovskaya *et al*. 2005
KMM 6033; V1SW 10; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Gramella echinicola Nedashkovskaya *et al*. 2005, sp. nov. (Type species of the genus).
KMM 6050^T (= JCM 13510 = KCTC 12278 = LMG 22585 = NBRC 100593), M-Sg 39^T; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2005), 55, 391-394.

Gramella marina Nedashkovskaya *et al*. 2010, sp. nov.
KMM 6048^T (= KCTC 12366 = LMG 25418), M-Sg 1^T; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2010), 60, 2799-2802.

***Gramella* sp.**
KMM 6018, M-Sg 23; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Gramella* sp.**
KMM 6053, M-Sg 37; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Gramella* sp.**
KMM 6054, M-Scf 22; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Gramella* sp.**
KMM 6150, M-Sg 62; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Gramella* sp.**
KMM 6179, M-11G-24; bottom sediments; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Gramella* sp.**

KMM 6207, M-Sg 41; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Gramella* sp.**
KMM 6292, M-Sg 34; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Gramella* sp.**
KMM 6317, M-15G-31; the bottom sediments; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Kriegella aquimaris Nedashkovskaya *et al*. 2008, sp. nov. (Type species of the genus). KMM 3665^T = DSM 19886 = KCTC 22188; V1SW 13^T; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2008), 58, 2624-2628.

Kriegella aquimaris Nedashkovskaya *et al*. 2008, sp. nov.
KMM 3942, M-3Alg 67/4; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: JSEM (2008), 58, 2624-2628.

***Lacinuthrix* sp.**
KMM 3838 = An 60 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

Leeuwehhoekiella aequorea Nedashkovskaya *et al*. 2005, sp. nov.
CCUG 50091 = LMG 22550^T; sea water, Antarctica; marine agar (Difco), 25°C; aerobic.
Reference: IJSEM (2005), 55, 1033-1038.

Leeuwehhoekiella aequorea Nedashkovskaya *et al*. 2005
KMM 6066, M-Sg 17; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2005), 55, 1033-1038.

Leeuwehhoekiella palythoae Nedashkovskaya *et al*. 2009, sp. nov.
KMM 6264^T = KCTC 22020 = LMG 24856; 30-P-B 16^T; the coral *Palythoae* sp., South China Sea; marine agar (Difco), 25°C; aerobic. Reference: IJSEM (2009), 59, 3074-3077.

Maribacter aquivivus Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3949^T (= CCUG 48009 = KCTC 12968), V1SW 120^T; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2004), 54, 1017-1023.

Maribacter dokdonensis
KMM 6377, M-6Alg 74; the green alga *Ulva fenestrata*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Maribacter dokdonensis
KMM 6403, M-7Alg 111; the green alga *Cladophora stimpsonii,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Maribacter dokdonensis
KMM 6498, M-7Alg 72; the green alga *Cladophora stimpsonii,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Maribacter orientalis Nedashkovskaya *et al*. 2004, sp. nov.

KMM 3947^T (= CCUG 48008 = KCTC 12967), V1SW-115^T; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2004), 54, 1017-1023.

Maribacter polysiphoniae Nedashkovskaya *et al*. 2007, sp. nov.
KMM 6151^T (= KCTC 22021 = LMG 23671), M-1Alg 19/3^T; the red alga *Polysiphonia japonica,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2007), 57, 2840-2843.

Maribacter sedimenticola Nedashkovskaya *et al*. 2004, sp. nov. (Type species of the genus).
KMM 3903T = CCUG 47098 = KCTC 12966; M-10G-3^T; the bottom sediments, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.Reference: IJSEM IJSEM (2004), 54, 1017-1023.

Maribacter sedimenticola Nedashkovskaya *et al*. 2004, sp. nov. (Type species of the genus).
KMM 6068, M-10G-4; the bottom sediments, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Maribacter stanieri Nedashkovskaya *et al*. 2010, sp. nov.
KMM 6046^T = KCTC 22023 = LMG 22581; M-3Alg-3^T; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2010), 60, 214-218.

Maribacter stanieri Nedashkovskaya *et al*. 2010, sp. nov.
KMM 6025; V1SW 129; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2010), 60, 214-218.

Maribacter ulvicola Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3951^T = DSM 15366 = KCTC 12969; M-3Alg-46^T; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM IJSEM (2004), 54, 1017-1023.

Maribacter ulvicola Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3952, M-3Alg 47/3; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM IJSEM (2004), 54, 1017-1023.

***Maribacter* sp.**
KMM 3662; V1SW 8; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
***Maribacter* sp.**
KMM 3671; V1SW 32; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 3680, M-1Alg-6/1; the red alga *Polysiphonia japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 3681, M-1Alg-2; the red alga *Polysiphonia japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**

KMM 3981; V1SW 114; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6022; V1SW 15; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6026, V1SW 130; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
***Maribacter* sp.**
KMM 6030; V1SW 1; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6036, M-Sg 54; the sea urchin *Strongylocentrotus intermedius*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6045; M-3Alg-2; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6070; V1SW 77; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6079; V1SW 87; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6129; M-3Alg-1; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6130; M-3Alg-4; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6142; V1SW 41; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6144, M-2Alg 25/3; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6145; M-3Alg-32; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**

KMM 6148, M-2Alg 28/2; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6149; M-1Alg-20; the red alga *Polysiphonia japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6168, M-3Alg 8/6; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6176, M-2Alg 16/1; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6274, M-Sg 56/2; the sea urchin *Strongylocentrotus intermedius*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6409; M-1Alg-6; the red alga *Polysiphonia japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 6422, M-2Alg 9; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Maribacter* sp.**
KMM 9159 = Pi3-61 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic **Reference:** M&E (2008), 23, 209-214, Romanenko LA *et al*.

***Maribacter* sp.**
KMM 9173 = Pi3-75 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** M&E (2008), 23, 209-214, Romanenko LA *et al*.

Mariniflexile gromovii Nedashkovskaya *et al*. 2006, sp. nov. (Type species of the genus).
KMM 6038^T = KCTC 12570 = LMG 22578; M-Sg $52/2^T$; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2006), 56, 1635-1638.

Marixanthomonas ophiurae (Romanenko *et al*., 2007)
KMM 3046^T = $15\text{-}26\text{-}5^T$ = NRIC 0684^T = JCM 14121^T /An unidentified brittle-star, Ophiuroidea, Echinodermata, 480 m depth, the Fiji Sea/ Medium 1, 28 ºC, aerobic
Reference: IJSEM (2007), 57, 457-462, Romanenko LA *et al*.

Mesonia algae Nedashkovskaya *et al*. 2003, sp. nov. (Type species of the genus).
KMM 3909^T = CCUG 47092 = DSM 15361 = KCTC 12089 = NBRC 100447; M-2Alg $33/2^T$; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2003), 53, 1967-1971.

Mesonia algae Nedashkovskaya *et al*. 2003, sp. nov. (Type species of the genus).

KMM 3936, M-2Alg 32/2; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2003), 53, 1967-1971.

Mesonia algae Nedashkovskaya *et al*. 2003, sp. nov. (Type species of the genus).
KMM 3937, M-2Alg 32/3; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2003), 53, 1967-1971.

Mesonia mobilis Nedashkovskaya *et al*. 2006, sp. nov.
KMM 6059^T (= KCTC 12708 = LMG 23670), M-12MB-25^T; sea water, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2006), 56, 2433-2436.

***Olleya* sp.**
KMM 6133; M-3Alg 18; the green alga *Ulva fenestrata,* Posiet Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Polaribacter butkevichii Nedashkovskaya *et al*. 2006, sp. nov.
KMM 3938^T = KCTC 12100 = CCUG 48005; V1SW 17^T; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: Curr. Microbiol., 2005, **51**, 408-412.

Polaribacter dokdonensis Yoon *et al*. 2006
KMM 6375, M-6Alg 72; the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Pontirhabdus pectinovorans
KMM 6362, M-6Alg 5/2, the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Pontirhabdus pectinovorans
KMM 6376, M-6Alg 253, the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Pontirhabdus pectinovorans
KMM 6499, M-6Alg 57/2, the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Pontirhabdus pectinovorans
KMM 6503, M-6Alg 199, the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Pontirhabdus pectinovorans
KMM 6504, M-6Alg 209, the green alga *Ulva fenestrata,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Salegentibacter holothuriorum Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3524T = LMG 21968 = NBRC 100249; M-3HB-15/3^T; the holothurian *Apostichopus japonicus*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2004), 54, 1107-1110.

Salegentibacter mishustinae Nedashkovskaya *et al*. 2005, sp. nov.
KMM 6049^T (= KCTC 12263 = LMG 22584 = NBRC 100592), M-Sg 10^T; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2005), 55, 235-237.

Salegentibacter mishustinae Nedashkovskaya *et al*. 2005, sp. nov.
KMM 6167, M-Sg 66; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Salegentibacter flavus (Ivanova *et al.*, 2006)
KMM 6000^T = Fg 69^T = CIP 107843^T / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2006), 56, 583-586, Ivanova EP *et al.*

***Salegentibacter* sp.**
KMM 3839 = An 140 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

***Salegentibacter* sp.**
KMM 6040, M-11MB-5/3; seawater; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Salegentibacter* sp.**
KMM 6057, V1SW 126; seawater; Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Salegentibacter* sp.**
KMM 6424, V1SW 127; seawater; Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Tenacibaculum* sp.**
KMM 6445, M-16G-26; the bottom sediments, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Tenacibaculum* sp.**
KMM 6478, M-16G-22; the bottom sediments, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Tenacibaculum* sp.**
KMM 6480, M-16G-27; the bottom sediments, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Ulvibacter litoralis Nedashkovskaya *et al*. 2004, sp. nov. (Type species of the genus).
KMM 3912^T (= CCUG 47093 = KCTC 12104), M-3Alg 8/5^T; the green alga *Ulva fenestrata*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2004), 54, 119-123.

Vitellibacter vladivostokensis Nedashkovskaya *et al*. 2003, sp. nov. (Type species of the genus).
KMM 3516^T = JCM 11732 = NBRC 16718; M-3HB-26^T; the holothurian *Apostichopus japonicus*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2003), 53, 1281-1286.

Winogradskyella arenosi (Romanenko *et al*., 2009)
KMM 3968^T = R60^T = NRIC 0748^T = JCM 15527^T /Marine sediments, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: IJSEM (2009), 59, 143-1446, Romanenko LA *et al*.

Winogradskyella arenosi
KMM 6432, M-5Alg 12/1; the brown alga *Chorda filum*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Winogradskyella echinorum Nedashkovskaya *et al*. 2009, sp. nov.
KMM 6211^T (= KCTC 22026 = LMG 24757), M-Sg 57^T; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2009), 59, 1465-1468.

Winogradskyella epiphytica Nedashkovskaya *et al*. 2005, sp. nov.
KMM 3906^T = CCUG 47091 = KCTC 12220 = LMG 224; M-2Alg 18^T; the green alga *Acrosiphonia sonderi*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2005), 55, 49-55.

Winogradskyella exilis (Ivanova *et al.*, 2010)
KMM 6013^T = 022-2-26^T = CIP 109976^T / Starfish, South China Sea (latitude 26˚ 28,3' N; longitude 122˚ 29,0' E) / Medium 1, 23ºC, aerobic. **Reference:** IJSEM (2010), 60, 1577-1580, Ivanova EP *et al.*

Winogradskyella eximia Nedashkovskaya *et al*. 2005, sp. nov.
KMM 3944^T (= KCTC 12219 = LMG 22474), M-4Alg 2/1^T; the brown alga *Saccharina japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Winogradskyella eximia Nedashkovskaya *et al*. 2005, sp. nov.
KMM 3945, V1SW-116; seawater, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Winogradskyella eximia Nedashkovskaya *et al*. 2005, sp. nov.
KMM 3946, V1SW-117; seawater, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Winogradskyella eximia Nedashkovskaya *et al*. 2005, sp. nov.
KMM 6139, M-1Alg 38/1; the red alga *Polysiphonia japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Winogradskyella pacifica Kim and Nedashkovskaya 2010, sp. nov.
KMM 6019^T = KCTC 22997 = LMG 22568; V1SW-2^T; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2010), 60, 1948-1951.

Winogradskyella rapida Pinhassi *et al*. 2009, sp. nov.
KMM 6434, M-5Alg 13/1; the brown alga *Chorda filum*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Winogradskyella thalassocola Nedashkovskaya *et al*. 2005, sp. nov. (Type species of the genus).
KMM 3907^T = DSM 15363 = KCTC 12221 = LMG 22492; M-5Alg 9^T; the brown alga *Chorda filum*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2005), 55, 49-55.

Winogradskyella thalassocola Nedashkovskaya *et al*. 2005, sp. nov. (Type species of the genus).
KMM 6043, M-2Alg 19/3; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Winogradskyella ulvae Nedashkovskaya *et al*. 2012, sp. nov.
KMM 6390, M-6Alg 133^{T}; the green alga *Ulva fenestrata*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Winogradskyella* sp.**
KMM 3908, M-1Alg 8/1; the red alga *Polysiphonia japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Winogradskyella* sp.**
KMM 3913, M-2Alg 5/2; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Winogradskyella* sp.**
KMM 3943, M-4Alg 2/2; the brown alga *Saccharina japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Winogradskyella* sp.**
KMM 6131, V1SW 105/2; seawater, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Winogradskyella* sp.**
KMM 6415, M-1Alg 8/2; the red alga *Polysiphonia japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Winogradskyella* sp.**
KMM 6417, M-2Alg 5/1; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Winogradskyella* sp.**
KMM 6419, M-2Alg 50; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Zobellia amurskyensis Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3526^{T} = CCUG 47080 = LMG 22069; V1SW 24^{T}; sea water, Amursky Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2004), 54, 1643-1648.

Zobellia amurskyensis Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3955; M-2Alg 4; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Zobellia laminariae Nedashkovskaya *et al*. 2004, sp. nov.
KMM 3676^{T} (= CCUG 47083 = LMG 22070), M-4Alg 7^{T}; the brown alga *Saccharina japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2004), 54, 1643-1648.

Zobellia laminariae Nedashkovskaya *et al*. 2004, sp. nov.
KMM 6205, M-4Alg 6; the brown alga *Saccharina japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Zobellia russelli Nedashkovskaya *et al*. 2004, sp. nov.

KMM 3677^{T} = CCUG 47084 = LMG 22071; M-2Alg 19/4^{T}; the green alga *Acrosiphonia sonderi*, ; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Reference: IJSEM (2004), 54, 1643-1648.

***Zobellia* sp.**
KMM 3668, V1SW 23/1; sea water, Amursky Bay; marine agar (Difco), 25-28°C; aerobic.

***Zobellia* sp.**
KMM 3644, V1SW 23/2; sea water, Amursky Bay; marine agar (Difco), 25-28°C; aerobic.

***Zobellia* sp.**
KMM 3745; V1SW 25/1; sea water, Amursky Bay; marine agar (Difco), 25-28°C; aerobic.

***Zobellia* sp.**
KMM 3746, V1SW 27/1; sea water, Amursky Bay; marine agar (Difco), 25-28°C; aerobic.

***Zobellia* sp.**
KMM 3964, M-2Alg 30; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Zobellia* sp.**
KMM 6075; the green alga *Ulva fenestrata*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Zobellia* sp.**
KMM 6076, M-3Alg-48/3; the green alga *Ulva fenestrata*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Zobellia* sp.**
KMM 6113; M-1Alg-17; the red alga *Polysiphonia japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Zobellia* sp.**
KMM 6114; M-1Alg-19; the red alga *Polysiphonia japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Zobellia* sp.**
KMM 6152; M-1Alg-18; the red alga *Polysiphonia japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Zobellia* sp.**
KMM 6160, M-1Alg 19/1; the red alga *Polysiphonia japonica*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Zobellia* sp.**
KMM 6204; V1SW 80; sea water, Amursky Bay; marine agar (Difco), 25-28°C; aerobic.
***Zobellia* sp.**
KMM 6421, M-2Alg 46; the green alga *Acrosiphonia sonderi*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Zobellia* sp.**

KMM 8024 = Z 257 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 C, aerobic.

***Zobellia* sp.**
KMM 8025 = Z 182 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 C, aerobic.

Class *Sphingobacteriia*

***Pedobacter* sp.**
KMM 8023 = ZSW 42 / Sea water, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic.

***Sphingobacterium* sp.**
KMM 3857 = An 28 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

Phylum *Firmicutes*

Class *Bacilli*

Bacillus algicola (Ivanova *et al.*, 2004)
KMM 3737^T = F 12 = CIP 107850^T / brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 25-28ºC, aerobic. **Reference:** Syst Appl Microbiol (2004), 27, 301-307, Ivanova EP *et al.*

Bacillus licheniformis
KMM 3883 = An 105 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

Bacillus licheniformis
KMM 3886 = An 114 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

Bacillus marisflavi Yoon *et al*. 2003
KMM 6431; 4Alg43/1; the brown alga *Saccharina japonica*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Bacillus pumilus
KMM 1364 = 1m-4 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Producer of surfactin-like cyclic depsipeptides/ Medium 1, 30 ºC, aerobic **Reference:** Biologiya morya (2001), 27, 334-339, Romanenko LA *et al*.; Mar Biotechnol (2002), 4, 179-188, Kalinovskaya NI *et al*.

Bacillus pumilus
KMM 3884 = An 112 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

Bacillus pumilus
KMM 3887 = An 118 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

Bacillus pumilus Meyer and Gottheil 1901
KMM 6439, M-5Alg 16; a brown alga *Chorda filum*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Bacillus vietnamensis Noguchi *et al*. 2004
KMM 6407; M-4Alg 29; the brown alga *Saccharina japonica*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Bacillus vietnamensis Noguchi *et al*. 2004
KMM 6243, M-Sh 24; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Bacillus* sp**.

KMM 240 = 10-1AS-3 /Ascidian, Maldives, 4º 12 1N, 73º 30 3 E, 10 m/ Medium 1, 30 ºC, aerobic

***Bacillus* sp**.
KMM 245 = 219 / Sea water, a depth of 30 m, Pacific Ocean, 12º00’ N; 132º00’ W/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 257 = 381 / Sea water, a depth of 800 m, Pacific Ocean, 9º40’ N; 131º40’ W/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 263 = 6-302-13 /Ascidian *Didemnum* sp., Maldives/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 264 = 474 /Sea water, a depth of 300 m, Pacific Ocean, 12º41’ N; 132º38’ W/ Medium 1, 30 ºC, aerobic.

Bacillus sp.
KMM 265 = 501 / Sea water, a depth of 30 m, Pacific Ocean, 12º40’ N; 131º20’ W/ Medium 1, 30 ºC, aerobic.

Bacillus sp.
KMM 267 = 6-273-1 /Ascidian *Clarelina molucensis*, Indian Ocean / Medium 1, 30 ºC, aer

Bacillus sp.
KMM 275 = 10-70-5 /Ascidian, Maldives/ Medium 1, 30 ºC, aerobic

Bacillus sp.
KMM 276 = 10-1AS-10 /Ascidian, Maldives, 4º 12 1N, 73º 30 3 E, 1 m depth/ Medium 1, 30 ºC, aerobic

Bacillus sp.
KMM 1385 = 1 /Sea water, surface layer, Pacific Ocean, 15º00’ N; 133º00’ W/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 8 = 64 /Sea water, 5000 m depth, Pacific Ocean, 13º00’ N; 133º00’ W/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 1387 = 539 /Sea water, surface layer, Pacific Ocean, 9º20’ N; 131º20’ W/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 1392 = 473 /Sea water, 200 m depth, Pacific Ocean, 12º41’ N; 132º38’ W/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 1393 = 643 /Sea water, 4000 m depth, Pacific Ocean, 10º40’ N; 134º40’ W/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 1405 = 63 /Sea water, 3000 m depth, Pacific Ocean, 13º00' N; 133º00' W/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 1403 = 6-267-1 / Ascidian *Pseudodistoma australis*, 33º42' S; 134º37' E/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 1404 = 6-267-3/ Ascidian *Pseudodistoma australis*, 33º42' S; 134º37' E/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 1368 = 3.3.7 /Ascidian *Styela clava*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 1369 = 3.7.10 /Ascidian *Styela clava*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 1435 = 462 /Sea water, 30 m depth, Pacific Ocean, 12º41' N; 132º38' W/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 1515 = 14-P1-5 /Fish skin, the Bering Sea/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 1516 = 14-P1-6 /Fish skin, the Bering Sea/ Medium 1, 30 ºC, aerobic.

Bacillus sp.
KMM 1430 = 2-1As-10 /Ascidian, the Kuriles, Kunashir, 43º 59' 6 N, 146º 08' 8 E, a depth of 60 m/ Medium 1, 30 ºC, aerobic.

Bacillus sp.
KMM 1394 = 6-3B-13 /Sea water, Maldives/ Medium 1, 30 ºC, aerobic

Bacillus sp.
KMM 1365 = 2m-15 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 30 ºC, aerobic.

Bacillus sp.
KMM 273 = 10-100-3 / Seaweed, Maldives/ Medium 1, 30 ºC, aerobic .

Bacillus sp.
KMM 274 = 10-100-5 / Seaweed, Maldives/ Medium 1, 30 ºC, aerobic.

Bacillus sp.
KMM 3044 = 15-2-5 /Sponge *Dysidea* sp., The Fiji Sea/ Medium 1, 30 ºC, aerobic.

Bacillus sp.
KMM 653 = 10-2MB-7 /Sea water, Maldives/ Medium 1, 30 ºC, aerobic.

Bacillus sp.
KMM 1431 = 4-285-3 /Ascidian, 28º 47’ 6 S, 114º 00’ 7 E, a depth of 4 m/ Medium 1, 30 ºC, aerobic.

Bacillus sp.
KMM 3013 = 14-95-3 /Sponge, the Bering Sea/ Medium 1, 30 ºC, aerobic.

Bacillus sp.
KMM 9114 = Pi3-14 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Bacillus sp.
KMM 9117 = Pi3-17 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Bacillus sp.
KMM 9183 = Sa4-6 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 9185 = Sa4-8 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 9194 = Sa4-17 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic.

Bacillus sp.
KMM 9197 = Sa11-3 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 9198 = Sa11-4 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 9202 = Sa13-2 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 9204 = Sa13-4 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 9208 = Sa13-8 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 9210 = Sa13-10 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 9219 = Sa13-19 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 9220 = Sa13-20 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 9225 = Sa13-25 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 9226 = Sa13-26 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 9273 = Sa26-8 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 9276 = Sa26-11 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 9277 = Sa26-12 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 9285 = Sa 27-7 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus sp.
KMM 9287 = Sa 27-9 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 ºC, aerobic

Bacillus **sp.**
KMM 3939, M-10G-14/2; the bottom sediments, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Bacillus **sp.**
KMM 6244, M-Sh 25; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Chryseomicrobium **sp.**
KMM 6535, M-5Alg 10/2; the brown alga *Chorda filum*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Paenibacillus polymyxa
KMM 3888 = An 145 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko L.A *et al*.

Planococcus **sp.** (Ivanova *et al.*, 2006)
KMM 3738 = F 90 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** Mikrobiologiya (2006), 68, 10-20, Ivanova EP *et al.*

Unidentified bacilli strains

KMM 457 = 8-98-6 /soft coral *Alcyonacea*, *Sarcophyton* sp., Vanfong Bay, South China Sea, - 6 m, 1988, Vietnam/ Medium 1 or 2, 25ºC, aerobic.

KMM 521 = 2-14S16/1 /sponge *Stelletta validissima*, Island Iturup, Sea of Okhotsk, Pacific Ocean, - 120 m, 1986, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 1920 = 3-35-7/1 /sponge *Bajalus laxus*, sh. Saya de Malha, Indian Ocean, - 32 m, 1986, Seychelles/ Medium 1 or 2, 25ºC, aerobic.

KMM 1922 = 2-14S16/3 /sponge *Stelletta validissima*, Island Iturup, Sea of Okhotsk, Pacific Ocean, - 120 m, 1986, Russia/ Medium 1 or 2, 25ºC, aerobic.
KMM 2501 = 3-1M /sediment, littoral, Island Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2502 = 3-2M /sediment, littoral, Island Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2503 = 3-3M /sediment, littoral, Island Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2504 = 3-4M /sediment, littoral, Island Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2505 = 3-4M1/sediment, littoral, i. Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2506 = 3-5M1/sediment, littoral, Island Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2507 = 3-6M1 /sediment, littoral, Island Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2508 = 3-6M1a /sediment, littoral, Island Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2509 = 3-6M1b /sediment, littoral, Island Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2510 = 3-6M2 /sediment, littoral, Island Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2511 = 3-6M2a /sediment, littoral, Island Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2513 = 3-9M1 /sediment, littoral, Island Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2514 = 3-10M2 /sediment, littoral, Island Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2515 = 3-10M2a /sediment, littoral, Island Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 3567 = M3w9 /sediment, Posiet Bay, Sea of Japan, - 2 m, 1996, Russia/ Medium 1 or 2, 25ºC.

KMM 3569 = M3w36 /sediment, Posiet bay, Sea of Japan, - 2 m, 1996, Russia/ Medium 1 or 2, 25ºC.

KMM 3572 =19-18-2/2 /brown alga *Fucus evanescens*, Is. Paramushir, Kuril Islands, Sea of Okhotsk, Russia, 1996/ Medium 1 or 2, 25ºC.

KMM 3573 = 19-18-2/2a /brown alga *Fucus evanescens*, Is. Paramushir, Kuril Islands, Sea of Okhotsk, Russia, 1996/ Medium 1 or 2, 25ºC.

KMM 2578 = 3-131-1a /sponge *Dictyodendrilla* sp., Is. Nosy Anjombavola, Indian Ocean, - 3 m, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2579 = 3-131-1/1a /sponge *Dictyodendrilla* sp., Is. Nosy Anjombavola, Indian Ocean, -3 m, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2580 = 3-131-1/1b /sponge *Dictyodendrilla* sp., Nosy Anjombavola, Indian Ocean, - 3 m, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2581 = 3-131-2 /sponge *Dictyodendrilla* sp., Nosy Anjombavola, Indian Ocean, - 3 m, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2582 = 3-131-2a /sponge *Dictyodendrilla* sp., Nosy Anjombavola, Indian Ocean, - 3 m, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2583 = 3-131-3/2 /sponge *Dictyodendrilla* sp., Nosy Anjombavola, Indian Ocean, - 3 m, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2584 = 3-131-3/2a /sponge *Dictyodendrilla* sp., Nosy Anjombavola, Indian Ocean, - 3 m, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2585 = 3-131-3/2b /sponge *Dictyodendrilla* sp., Nosy Anjombavola, Indian Ocean, -3 m, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2586 = 3-131-4/1 /sponge *Dictyodendrilla* sp., Nosy Anjombavola, Indian Ocean, - 3 m, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2587 = 3-131-4/1a /sponge *Dictyodendrilla* sp., Nosy Anjombavola, Indian Ocean, - 3 m, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2588 = 3-131-5 /sponge *Dictyodendrilla* sp., Nosy Anjombavola, Indian Ocean, - 3 m, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2589 = 3-131-5a /sponge *Dictyodendrilla* sp., Nosy Anjombavola, Indian Ocean, - 3 m, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 2590 = 3-131-7 /sponge *Dictyodendrilla* sp., Nosy Anjombavola, Indian Ocean, - 3 m, 1986, Madagascar/ Medium 1 or 2, 25ºC, aerobic.

KMM 3684 = 6-4p1 /fish *Takifugu rubripes,* Maldives Islands, Indian Ocean, 1988/ Medium 1 or 2, 25ºC, aerobic.

KMM 3685 = 6-4p6 /fish *Takifugu rubripes,* Maldives Islands, Indian Ocean, 1988/ Medium 1 or 2, 25ºC, aerobic.

KMM 3686 = 6-4p10 /fish *Takifugu rubripes*, Maldives Islands, Indian Ocean, 1988/ Medium 1 or 2, 25ºC, aerobic.

KMM 3687 = 6-4p18 /fish *Takifugu rubripes,* Maldives Islands, Indian Ocean, 1988/ Medium 1 or 2, 25ºC, aerobic.

KMM 3688 = 6-4p23 /fish *Takifugu rubripes,* Maldives Islands, Indian Ocean, 1988/ Medium 1 or 2, 25ºC, aerobic.

KMM 3689 = 6-4p26 /fish *Takifugu rubripes*, Maldives Islands, Indian Ocean, 1988/ Medium 1 or 2, 25ºC, aerobic.

KMM 3690= 27-18g9 /sediment, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 42 m, Russia, 2001/ Medium 1 or 2, 25ºC, aerobic.

KMM 3691= 27-18g10 /sediment, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 42 m, Russia, 2001/ Medium 1 or 2, 25ºC, aerobic.

KMM 3692 = 27-20g1 /sediment, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 76 m, Russia, 2001/ Medium 1 or 2, 25ºC, aerobic

KMM 3693 = 27-20g2 /sediment, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 76 m, Russia, 2001/ Medium 1 or 2, 25ºC, aerobic.

KMM 3894 = 27-20-1/3 / mollusc *Leonucula* sp., Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 76 m, Russia, 2001/ Medium 1 or 2, 25ºC, aerobic.

KMM 3695 = 27-21g7 /sediment, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 46 m, Russia, 2001/ Medium 1 or 2, 25ºC, aerobic.

KMM 3696 = 27-21g8 /sediment, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 46 m, Russia, 2001/ Medium 1 or 2, 25ºC, aerobic.

KMM 3697 = 27-21-2/4 /mollusc *Macoma loveni*, Aniva Bay, Sea of Okhotsk, i. Sakhalin, - 46 m, Russia, 2001/ Medium 1 or 2, 25ºC, aerobic.

KMM 3698 = 27-23g13 /sediment, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, 61 m, Russia, 2001/ Medium 1 or 2, 25ºC, aerobic.

KMM 3699 = 27-23g14 /sediment, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, 61 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3700 = 27-23g15 /sediment, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 61 m, 2001, Russia / Medium 1 or 2, 25ºC, aerobic.

KMM 3701 = 27-26-1/1 /sponge *Hymeniacidon assimilis* , Aniva Bay, Sea of Okhotsk, Island Sakhalin, 26 m, 2001, Russia / Medium 1 or 2, 25ºC, aerobic.

KMM 3702 = 27-26-1/4 /sponge *Hymeniacidon assimilis* , Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 26 m, 2001, Russia / Medium 1 or 2, 25ºC, aerobic.

KMM 3703 = 27-26-2/5 /sponge *Calcarea* sp., Охотское море, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 26 m, 2001, Russia / Medium 1 or 2, 25ºC, aerobic.

KMM 3704 = 27-26-2/6 /sponge *Calcarea* sp., Охотское Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 26 m, 2001,Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3705 = 27-27g4 /sediment, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 58 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3706 = 27-27g5 /sediment, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 58 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3707 = 27-27g6 /sediment, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 58 m, 2001, Russia / Medium 1 or 2, 25ºC, aerobic.

KMM 3708 = 27-27-1/7 /sea urchin *Strongylocentrotus* sp., Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 58 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3709 = 27-27-1/8 /sea urchin *Strongylocentrotus* sp., Aniva Bay, Sea of Okhotsk,Is. Sakhalin, - 58 m, 2001 Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3710 = 27-27-1/9 /sea urchin *Strongylocentrotus* sp., Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 58 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3711 = 27-27-2/1 /*Ophiuroidea*, *Gorgonocephalus* sp., Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 58 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3712 = 27-27-2/5 /*Ophiuroidea*, *Gorgonocephalus* sp., Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 58 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3713 = 27-27-2/6 /*Ophiuroidea*, *Gorgonocephalus* sp., Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 58 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3714 = 27-28-1/6 /sponge *Homaxinella subdola*, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 74 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3715 = 27-28-1/8 /sponge *Homaxinella subdola*, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 74 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3716 = 27-28-1/9 /sponge *Homaxinella subdola*, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 74 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3717 = 27-29-2/1 /sponge *Halichondria panicea*, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 36 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3718 = 27-29-2/2 /sponge *Halichondria panicea*, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 36 m, Russia, 2001/ Medium 1 or 2, 25ºC, aerobic.

KMM 3719 = 27-29-2/5 /sponge *Halichondria panicea*, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 36 m, Russia, 2001/ Medium 1 or 2, 25ºC, aerobic.

KMM 3720 = 27-29g2 /sediment, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 36 m, Russia, 2001/ Medium 1 or 2, 25ºC, aerobic.

KMM 3721 = 27-29g3 /sediment, Aniva Bay, Sea of Okhotsk, Is. Sakhalin, - 36 m, Russia, 2001/ Medium 1 or 2, 25ºC, aerobic.

KMM 3722 = 29-1g11 /sediment, Peter the Great Bay, Sea of Japan, - 33 m, Russia, 2003/ Medium 1 or 2, 25ºC, aerobic.

KMM 3723 = 29-1g12 /sediment, Peter the Great Bay, Sea of Japan, - 33 m, Russia, 2003/ Medium 1 or 2, 25ºC, aerobic.

KMM 3724 = 29-1g13 /sediment, Peter the Great Bay, Sea of Japan, - 33 m, Russia, 2003/ Medium 1 or 2, 25ºC, aerobic.

KMM 3725 = 29-1g14 /sediment, Peter the Great Bay, Sea of Japan, - 33 m, Russia, 2003/ Medium 1 or 2, 25ºC, aerobic.

KMM 3726 = 29-1g15 /sediment, Peter the Great Bay, Sea of Japan, - 33 m, Russia, 2003/ Medium 1 or 2, 25ºC, aerobic.

KMM 3727 = 29-3g10 /sediment, Rudnaya Bay, Sea of Japan, - 146 m, Russia, 2003/ Medium 1 or 2, 25ºC, aerobic.

KMM 3728 = 29-3g11 /sediment, Rudnaya Bay, Sea of Japan, - 146 м, Russia, 2003/ Medium 1 or 2, 25ºC, aerobic.

KMM 3729 = 29-3g12 /sediment, Rudnaya Bay, Sea of Japan, - 146 m, Russia, 2003/ Medium 1 or 2, 25ºC, aerobic.

KMM 3730 = 29-1g7 /sediment, Peter the Great Bay, Sea of Japan, - 33 m, 2003, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3731 = 29-1g8 /sediment, Peter the Great Bay, Sea of Japan, 33 m, 2003, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3732 = 29-1g16 /sediment, Peter the Great Bay, Sea of Japan, - 33 m, 2003, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3733 = 29-1g17 /sediment, Peter the Great Bay, Sea of Japan, - 33 m, 2003, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3734 = 29-2g4 /sediment, Peter the Great Bay, Sea of Japan, - 33 m, 2003, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 3735 = 29-2g9 /sediment, Peter the Great Bay, Sea of Japan, - 33 m, 2003, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7245 = 6-2p3 /fish *Takifugu rubripes,* Maldives Islands, Indian Ocean, 1988/ Medium 1 or 2, 25ºC, aerobic.

KMM 7246 = 6-2p8 /fish *Takifugu rubripes,* Maldives Islands, Indian Ocean, 1988/ Medium 1 or 2, 25ºC, aerobic.

KMM 7247 = 6-2p31 /fish *Takifugu rubripes,* Maldives Islands, Indian Ocean, 1988/ Medium 1 or 2, 25ºC, aerobic.

KMM 7248 = 6-2p34 /fish *Takifugu rubripes,* Maldives Islands, Indian Ocean, 1988/ Medium 1 or 2, 25ºC, aerobic.

KMM 7249 = 6-2p35 /fish *Takifugu rubripes,* Maldives Islands, Indian Ocean, 1988/ Medium 1 or 2, 25ºC, aerobic.

KMM 7250 = 27-20g1 /sediment, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 76 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7251 = 27-20g2 /sediment, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 76 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7252 = 27-20-1/4 /mollusc *Leonucula* sp., Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 76 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7253 = 27-21g10 /sediment, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 46 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7254 = 27-21g11 /sediment, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 46 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7255 = 27-21-2/6 /mollusc *Macoma loveni*, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 46 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7256 = 27-21-2/7 /mollusc *Macoma loveni*, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 46 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7257 = 27-23g9 /sediment, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 61 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7258 = 7-23g10 /sediment, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 61 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7259 = 27-23-2/4 /*Ophiuroidea*, *Gorgonocephalus* sp., Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 61 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7260 = 27-23-2/5 /*Ophiuroidea*, *Gorgonocephalus* sp., Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 61 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7261 = 27-26-1/2 /sponge *Hymeniacidon assimilis*, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 26 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7262 = 27-26-1/7 /sponge *Hymeniacidon assimilis*, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 26 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7263 = 27-26-2/3 /sponge *Calcarea* sp.*,* Aniva Bay, Sea of Okhotsk, Island Sakhalin, 26 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7264 = 27-26-2/4 /sponge *Calcarea* sp.*,* Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 26 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7265 = 27-27g7 /sediment, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 58 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7266 = 27-27g8 /sediment, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 58 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7267 = 27-27-1/4 /sea urchin *Strongylocentrotus* sp., Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 58 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7268 = 27-27-1/5 /sea urchin *Strongylocentrotus* sp., Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 58 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7269 = 27-27-1/6 /sea urchin *Strongylocentrotus* sp., Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 58 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7270 = 27-28-1/4 /sponge *Homaxinella subdola*, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 74 m, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7271 = 27-28-1/4 /sponge *Homaxinella subdola*, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 74 m, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7272 = 27-29-2/6 /sponge *Halichondria panicea*, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 36 m, 2001, Russia/Medium 1 or 2, 25ºC, aerobic.

KMM 7273 = 27-29-2/7 /sponge *Halichondria panicea*, Aniva Bay, Sea of Okhotsk, Island Sakhalin, - 36 m, 2001, Russia/Medium 1 or 2, 25ºC, aerobic.

KMM 7274 = 12bs7 /sediment, Coral Sea, - 5 m, 1990, Australia/Medium 1 or 2, 25ºC, aerobic.

KMM 7275 = 12bs8 /sediment, Coral Sea, - 5 m, 1990, Australia/Medium 1 or 2, 25ºC, aerobic.

KMM 7276 = 12bs10 /sediment, Coral Sea, - 5 m, 1990, Australia/Medium 1 or 2, 25ºC, aerobic.

KMM 7277 = 12bs12 /sediment, Coral Sea, - 5 m, 1990, Australia/Medium 1 or 2, 25ºC, aerobic.

KMM 7278 = 12bs13 /sediment, Coral Sea, - 5 m, 1990, Australia/Medium 1 or 2, 25ºC, aerobic.

KMM 7279 = 29-11-3 /*Ophiuroidea*, *Gorgonocephalus* sp., Sea of Okhotsk, Island Sakhalin, - 36 m, 2003, Russia/Medium 1 or 2, 25ºC, aerobic.

KMM 7280 = 29-11-8 /*Ophiuroidea*, *Gorgonocephalus* sp., Sea of Okhotsk, Island Sakhalin, - 36 m, 2003, Russia/Medium 1 or 2, 25ºC, aerobic.

KMM 7281 = 31-2-8/5 /sponge *Hymedesmia* af. *irregularis*, Aniva Bay, Island Sakhalin, - 37 m, 2005, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7282 = 31-1-9/2 /sponge *Phorbas paucistylifer*, Aniva Bay, Island Sakhalin, - 39 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic.

KMM 7283 = 31-1-9/4 /sponge *Phorbas paucistylifer*, Aniva Bay, Island Sakhalin, - 39 m, 2005, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7284 = 31-8g1 /sediment, Island Iturup, Kuril Islands , Sea of Japan, - 180 m, 2005, Russia/ Medium 1 or 2, 25ºC, aerobic.

KMM 7285 = 31-8g2 /sediment, Island Iturup, Kuril Islands, Sea of Japan, - 180 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic.

KMM 7286 = 31-8g3 /sediment, Island Iturup, Kuril Islands, Sea of Japan, - 180 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic.

KMM 7287 = 34-3-8/2 /sponge *Haliclona cymaeformis* + alga *Ceratodyction spongiosum*, Island Zenk Lam, South China Sea, - 7 m, 2007, Vietnam/ Medium 1 or 2, 25ºC, aerobic.

KMM 7288 = 34-3-8/2a /sponge *Haliclona cymaeformis* + alga *Ceratodyction spongiosum*, Island Zenk Lam, South China Sea, - 7 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic.

KMM 7289 = 34-4-5/2a /sponge *Haliclona* sp., Island Dong Ho, South China Sea, - 5 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic.

KMM 7290 = 34-59g2a /sediment, Vanfong Bay, South China Sea , - 10 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic.

KMM 7291 = 34-27-1/1a /sponge *Spongia* sp., Island Re, South China Sea, - 8 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic.

KMM 7292 = 34-27-2/1 /sponge *Aaptos* sp., Island Re, South China Sea, - 8 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic.

KMM 7293 = 34-27-3/1 /sponge *Callyspongia* sp., Island Re, South China Sea, - 3 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic.

KMM 7294 = 34-56-3/1 /sponge *Haliclona* sp., Vanfong Bay, South China Sea, - 10 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic.

KMM 7295 = 34-62g5 /sediment, Vanfong Bay, South China Sea, - 3 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic.

KMM 7401 = 31-1-9/13 /sponge *Phorbas paucistylifer*, Aniva Bay, Island Sakhalin, - 39 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic.

Media:

1. (g/l)**:** Peptone - 5.0; yeast extract - 1.0; glucose – 1.0; $MgSO_4$ – 0.5; K_2HPO_4 -0.2; agar – 14.0; sea water -500 ml; tap water – 500 ml, pH 7.5-7.8.

2. Difco™ Marine Broth 2216

Phylum *Proteobacteria*

Class *Alphaproteobacteria*

Alterythrobacter troitsensis Kim *et al*., 2012
KMM 6042T (= KCTC 12303^T = JCM 17037^T), M-Sgm 8^T; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic. Reference: IJSEM (2012), 62.

***Brevundimonas* sp.**
KMM 1482 = An16 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

***Brevundimonas* sp.**
KMM 3837 = An15 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

***Brevundimonas* sp.**
KMM 8008 = Z 192 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 C, aerobic.

Celeribacter neptunius (Ivanova *et al.*, 2010)
KMM 6012^T = H 14^T = CIP 109922^T / Sea water, St Kilda Beach, Port Phillip Bay, Melbourne, Australia / Medium 1, 25ºC, aerobic. **Reference:** IJSEM (2010), 60, 1620-1625, Ivanova E.P *et al.*

***Cohaesibacter* sp.**
KMM 8009 = SF 2-7 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30ºC, aerobic.

***Cohaesibacter* sp.**
KMM 8010 = SF 2-8 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30ºC, aerobic.

***Cohaesibacter* sp.**
KMM 8011 = SF 2-9 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30ºC, aerobic.

Erythrobacter vulgaris (Ivanova *et al.*, 2005)
KMM 3465^T = 022-2-10^T = CIP 107841^T / Starfish *Stellaster equestris*, South China Sea / Medium 1, 25ºC, aerobic. **Reference:** Systematic and Applied Microbiology (2005), 28, 123-130, Ivanova EP *et al.* IJSEM (2006), 56, 499-500, Ivanova E.P *et al.*

***Erythrobacter* sp.**
KMM 16 = 18 /Sea water, 30 m depth, the Pacific Ocean, 15º00’ N; 133º00’ W/ Medium 1, 28 ºC, aerobic.

***Erythrobacter* sp.**

KMM 31 = 454 /Sea water, 4000 m depth, the Pacific Ocean, 12º40' N; 134º40' W/ Medium 1, 28 ºC, aerobic.

***Erythrobacter* sp.**
KMM 6108, M-Sg 43/3; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Erythrobacter* sp.**
KMM 6161, M-Scf 31; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Erythrobacter* sp.**
KMM 6209, M-Sg 51; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Erythrobacter* sp.**
KMM 6251, M-Sg 58; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Erythrobacter* sp.**
KMM 6287, M-Sgm 1; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Erythrobacter* sp.**
KMM 6426, M-Scf 29; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Erythrobacter* sp.**
KMM 6427, M-Scf 30; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Labrenzia* sp.**
KMM 6254, M-Sgf 20/2; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Labrenzia* sp.**
KMM 8012 = ZBS 55 / Sea bottom sediment, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 C, aerobic.

Lentibacter algarum
KMM 6383, IDSW-5, sea water, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Litoreibacter albidus (Romanenko *et al*., 2011)
KMM 3851^T = Sh18^T = NRIC 0773^T = JCM 16493^T /Mollusc *Umbonium costatum*, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2011), 61, 148-154, Romanenko L.A *et al*.

Litoreibacter janthinus (Romanenko *et al*., 2011)
KMM 3842^T = Sd1^T = NRIC 0772^T = JCM 16492^T /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2011), 61, 148-154, Romanenko L.A *et al*.

Loktanella agnita (Ivanova *et al.*, 2005)
KMM 3788^T = R10SW5^T = CIP 107883^T / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 25ºC, aerobic. **Reference:** IJSEM (2005), 55, 2203-2207, Ivanova E.P *et al.*

Loktanella rosea (Ivanova *et al.*, 2005)
KMM 6003^T = Fg36^T = CIP 107851^T = LMG 22534^T / Sediments, Chazhma Bay, Sea of Japan, Russia / Medium 1, 25ºC, aerobic. **Reference:** IJSEM (2005), 55, 2203-2207, Ivanova E.P *et al.*

***Ochrobactrum* sp.**
KMM 371 = 13-39-8 /Sponge, 388 m depth, the Philippine Sea/ Medium 1, 28 ºC, aerobic.

Pacificibacter maritimus (Romanenko *et al*., 2011)
KMM 9031^T = D1^T = NRIC 0785^T = JCM 17096^T /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2011), 61, 1375-1381, Romanenko L.A *et al*.

***Paracoccus* sp.**
KMM 3929, V1SW 88; sea water, Amursky Bay; marine agar (Difco), 25-28°C; aerobic.

***Paracoccus* sp.**
KMM 6153, M-3Alg-29; the green alga *Ulva fenestrata,* Posiet Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Paracoccus* sp.**
KMM 6169, M-Sh 73; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Paracoccus* sp.**
KMM 6222, 30-P-B 6/1; the coral *Palythoa* sp.; Vanfong Bay, South China Sea; marine agar (Difco), 25-28°C; aerobic.

***Paracoccus* sp.**
KMM 6233, 30-P-B8/2; the coral *Palythoa* sp.; Vanfong Bay, South China Sea; marine agar (Difco), 25-28°C; aerobic.

***Phaeobacter* sp.**
KMM 6379, M-7Alg 1, the green alga *Cladophora stimpsonii,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Phaeobacter* sp.**
KMM 6440, M-7Alg 2, the green alga *Cladophora stimpsonii,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Phaeobacter* sp.**
KMM 6533, M-9Alg 58; the red alga *Tichocarpus crinitus*, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Poseidonocella pacifica (Romanenko *et al*., 2012)
KMM 9010^T = Sd3-10 ^{T} =NRIC 0794^T = JCM 17310^T /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** Archives of Microbiology (2011), 194, 2, 113-121, Romanenko L.A *et al*.

Poseidonocella sedimentorum (Romanenko *et al*., 2012)

KMM 9023^T = Sd3-23 ^{T} =NRIC 0796^T = JCM 17311^T /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** Archives of Microbiology (2011), 194, 2, 113-121, Romanenko L.A *et al*.

Primorskyibacter sedentarius (Romanenko *et al*., 2011)
KMM 9018^T = Sd3-18 ^{T} = NRIC 0784^T = JCM 16874^T /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2011), 61, 1561-1566, Romanenko L.A *et al*.

Primorskyibacter sedentarius (Romanenko *et al*., 2011)
KMM 9015 = Sd3-15 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.
Reference: IJSEM (2011), 61, 1561-1566, Romanenko L.A *et al*.

Roseovarius nubinhibens
KMM 6532, M-9Alg 28, the red alga *Tichocarpus crinitus,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

***Roseobacter* sp.**
KMM 8016 = MF 1-2 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30ºC, aerobic.

***Roseobacter* sp.**
KMM 8017 = SF 2-3 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30ºC, aerobic.

Sphingomonas japonica (Romanenko *et al*., 2009)
KMM 3038^T = KC7^T = NRIC 0738^T = JCM 15438^T /Crustacean *Paralithodes camtschatica,* Decapoda, the Sea of Japan/ Medium 3, 28 ºC, aerobic. **Reference:** IJSEM (2009), 59, 1179 - 1182, Romanenko L.A *et al*.

Sphingomonas molluscorum (Romanenko *et al*., 2007)
KMM 3882^T = An 18^T = NRIC 0685^T = JCM 14122^T = CIP 109223^T /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2007), 57, 358-363, Romanenko L.A *et al*.

***Sphingomonas* sp**.
KMM 3852 = An 20 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko L.A *et al*.

***Sphingomonas* sp.**
KMM 3933 = An 19 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko L.A *et al*.

***Sphingomonas* sp.**
KMM 9002 = Sd3-2 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Sphingopyxis* sp.**
KMM 8013 = Z 278 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 C, aerobic

Sulfitobacter brevis

KMM 8014 = Z 129 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 C, aerobic.

Sulfitobacter brevis
KMM 8015 = Z 109 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 C, aerobic.

Sulfitobacter delicatus (Ivanova *et al*., 2004)
KMM 3584^T = LMG 20554^T=ATCC BAA-321^T / Starfish *Stellaster equestris*, South China Sea (26º 28.3´ N, 122º 29.0´ E) / Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2004), 54, 475-480, Ivanova E.P *et al.*

Sulfitobacter dubius (Ivanova *et al*., 2004)
KMM 3554^T = Z 208 = LMG 20555^T=ATCC BAA-320^T/ Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2004), 54, 475-480, Ivanova E.P *et al.*

Sulfitobacter pontiacus
KMM 1386 = 576 /Sea water, 2000 m depth, Pacific Ocean, 9º20' N; 133º20' W/ Medium 1, 28 ºC, aerobic.

Sulfitobacter pontiacus
KMM 3889 = An 94 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko L.A *et al*.

Vadicella arenosi (Romanenko *et al*., 2011)
KMM 9024^T = Sd3-24^T = =NRIC 0787^T = JCM 17190^T / Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** Curr. Microbiol (2011), 62,795-801, Romanenko L.A *et al*. IJSEM (2011), Validation List № 140, 61, 1499-1501.

Vadicella arenosi (Romanenko *et al*., 2011)
KMM 9008 = Sd3-8 = NRIC 0797 / Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** Curr. Microbiol (2011), 62, 795-801, Romanenko L.A *et al*. IJSEM (2011), Validation List № 140, 61, 1499-1501.

Vadicella arenosi (Romanenko *et al*., 2011)
KMM 9017 = Sd3-17 / Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** Curr. Microbiol (2011), 62, 795-801, Romanenko L.A *et al*. IJSEM (2011), Validation List № 140, 61, 1499-1501.

Class *Gammaproteobacteria*

***Acinetobacter* sp.**
KMM 1367 = Pi 4 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** M&E (2008), 23, 209-214, Romanenko L.A *et al*.

***Acinetobacter* sp**.
KMM 1519 = An 46 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko L.A *et al*.

***Acinetobacter* sp.**
KMM 1520 = An 97 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic.

***Acinetobacter* sp.**
KMM 6015 = Z 206 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic.

***Aeromonas* sp**.
KMM 3871 = An22 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko L.A *et al*.

Aestuariibacter litoralis (Tanaka *et al*., 2010)
KMM 3894^T = Sd2-38^T = NRIC 0754^T = JCM 15896^T /Marine sediments, 3 m depth, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2010), 60, 317-320, Tanaka N. *et al*.

Alteromonas addita (Ivanova *et al.*, 2005)
KMM 3600^T = R10SW13^T = KCTC 12195^T = LMG 22532^T / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 30ºC, aerobic. **Reference:** IJSEM (2005), 55, 1065-1068, Ivanova E.P *et al.*

Alteromonas distincta (Romanenko *et al*., 1995) → ***Pseudoalteromonas distincta*** (Ivanova *et al*., 2000)
KMM 638^T = 14-104-7^T = CIP 105340^T /An unidentified sponge, the Bering Sea, a depth of 350 m/ Medium 1, 28 ºC, aerobic. **Reference:** Mikrobiologiya (1995), 64, 74-77, Romanenko L.A *et al*. IJSEM (2000), 50, 141-144, Ivanova E.P *et al*.

Alteromonas elyakovii (Ivanova *et al*., 1997) --> ***Pseudoalteromonas elyakovii*** (Ivanova *et al*., 1997; Sawabe *et al*., 2000)
KMM 162^T = 40MC^T = ATCC 700519^T = CCUG 44496^T = CIP 105338^T = LMG 14908^T = VKPM $B3905^T$ / Mussel *Crenomytilus grayanus*, Troitza Bay, Gulf of Peter the Great, Sea of Japan, Russia / Medium 1, 25ºC, aerobic. **Reference:** Biologiya Morya (Russian Journal of Marine Biology, Vladivostok) (1996), 22, 213-237, Ivanova E.P *et al.* IJSEM (1997), 47, 601-602, Ivanova E.P *et al.* IJSEM (2000), 50, 265-271, Sawabe T. *et al.*

Alteromonas fuliginea (Romanenko *et al*., 1994) → ***Pseudoalteromonas citrea*** (Ivanova *et al*., 1998)
KMM 216^T = 4-5^T /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** Mikrobiologiya (1994), 63, 1081-1087, Romanenko L.A *et al*. IJSEM (1998), 48, 247-256, Ivanova E.P *et al*.

Alteromonas fuliginea (Romanenko *et al*., 1994) → ***Pseudoalteromonas citrea*** (Ivanova *et al*., 1998)
KMM 250 = Asb1-2 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** Mikrobiologiya (1994), 63, 1081-1087, Romanenko L.A *et al*. IJSEM (1998), 48, 247-256, Ivanova E.P *et al*.

Alteromonas fuliginea (Romanenko *et al*., 1994) → ***Pseudoalteromonas citrea*** (Ivanova *et al*., 1998)
KMM 256 = am3-5 /ascidian *Amaroucium translucidum*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Producer of restriction endonuclease/ Medium 1, 28 ºC, aerobic. **Reference:** Mikrobiologiya (1994), 63, 1081-1087, Romanenko LA *et al*. IJSEM (1998), 48, 247-256, Ivanova E.P *et al*. Biologiya Morya – Russian Journal of Marine Biology (2001), 27, 334-339, Romanenko L.A *et al*.

Alteromonas fuliginea (Romanenko *et al*., 1994) → ***Pseudoalteromonas citrea*** (Ivanova *et al*., 1998)
KMM 504 = 14-87-1 / Sponge *Plocamia* sp., the Bering Sea, the Commander Islands/ Medium 1, 28 ºC, aerobic. **Reference:** Mikrobiologiya (1994), 63, 1081-1087, Romanenko LA *et al*. IJSEM (1998), 48, 247-256, Ivanova E.P *et al*.

Arenicella xantha (Romanenko *et al*., 2010)
KMM 3895^T = Sd2-39^T = NRIC 0759^T = JCM 16153^T / Marine sediments, 2 m depth, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2010), 60, 1832-1836, Romanenko L.A *et al*.

Cobetia marina
KMM 296 / Mussel *Crenomytilus grayanus*, Troitza Bay (5-8 m depth), Sea of Japan, Russia Medium 1, 28ºC, aerobic.

Cobetia marina
KMM 8002 = Z 149 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic.

Cobetia marina
KMM 8003 = ZSW 73 / Sea water, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic.

***Cobetia* sp.**
KMM 3878 = R27 /Marine sediments, 2 m depth, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Cobetia* sp.**
KMM 3879 = R34 /Marine sediments, 2 m depth, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Cobetia* sp**.
KMM 3880 = R36 /Marine sediments, 2 m depth, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Cobetia* sp**.
KMM 1383 = 3.2.7/1 /Ascidian *Styela clava*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Cobetia* sp.**
KMM 1561 = 14-46-2 / Sponge *Amphilectus digitatus*, Poecilosclerida, Esperiopsidae, the Bering Sea, Gulf of Alaska, a depth of 61 m/ Medium 1, 28 ºC, aerobic.

***Cobetia* sp.**
KMM 1518 = An 38 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 1, 30 ºC, aerobic.

***Cobetia* sp**.
KMM 1459 = R70 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Cobetia* sp.**
KMM 8001 = MF 2-5 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30ºC, aerobic.

Cocleimonas mariniflava (Tanaka *et al*., 2011)
KMM 3898^T = $Sh2^T$ = NRIC 0757^T = JCM 16494^T /Mollusc *Umbonium costatum*, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

Glaciecola mesophila (Romanenko *et al*., 2003)
KMM 241^T = $Asb2\text{-}3^T$ = DSM 15026^T /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 30 ºC, aerobic. **Reference:** IJSEM (2003), 53, 647-651, Romanenko L.A *et al*.

Glaciecola mesophila (Romanenko *et al*., 2003)
KMM 642 = 14-87-13 /sponge *Plocamia* sp., 350 m depth, Komandorskie Islands/ Medium 1, 30 ºC, aerobic. **Reference:** IJSEM (2003), 53, 647-651, Romanenko L.A *et al*.

Granulosicoccus coccoides (Kurilenko *et al.*, 2010)
KMM 6014^T = Z 271^T = CIP 109923^T / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2010), 60, 972-976, Kurilenko V.V *et al.*

Halomonas halocynthiae (Romanenko *et al*., 2002)
KMM 1376^T = 2.1.2 = DSM 14573^T /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 30 ºC, aerobic. **Reference:** IJSEM (2002), 52, 1767-1772, Romanenko L.A *et al*.

***Halomonas* sp.**
KMM 2 = 447 /Sea water, 300 m depth, Pacific Ocean, 12º40’ N; 134º40’ W/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp**.
KMM 23 = 308 /Sea water, 2000 m depth, Pacific Ocean, 12º20’ N; 134º00’ W/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp**.
KMM 24 = 33 /Sea water, 200 m depth, Pacific Ocean, 15º00’ N; 133º00’ W/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 25 = 72 /Sea water, 30 m depth, Pacific Ocean, 11º00’ N; 133º00’ W/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 222 = 90/1 /Sea water, 5000 m depth, Pacific Ocean, 8º20’ N; 133º0’ W/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 224 = 522 /Sea water, 800 m depth, Pacific Ocean, 12º40' N; 131º20' W/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 233 = 49 /Sea water, 5000 m depth, Pacific Ocean, 15º00' N; 133º00' W/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 643 = 548 /Sea water, 500 m depth, Pacific Ocean, 9º20' N; 131º20' W/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 1399 = 6-158-26 /Ascidian, 9º01' S 158º03W/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 1449 = 16g / Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 3656 = R63 = DSM 15399 / Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 3859 = An 37 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** Microbiol. Res. (2008), 163, 633-644, Romanenko L.A *et al*.

***Halomonas* sp.**
KMM 1441 = R64 / Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 1474 = 14-61-1 / Sponge *Suberites domuncula*, Hadromerida, Suberitidae, the Bering Sea, a depth of 83 m / Medium 1, 30 ºC, aerobic.

***Halomonas* sp.**
KMM 9065 = a9 /Seaweed *Dictyopteris divaricata,* the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 9066 = a10 /Seaweed *Dictyopteris divaricata,* the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 9068 = a12 /Seaweed *Dictyopteris divaricata,* the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 9070 = a14 /Seaweed *Dictyopteris divaricata,* the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 9071= a15 /Seaweed *Dictyopteris divaricata,* the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Halomonas* sp.**
KMM 8004 = ZBS 62 / Sea bottom sediment, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 C, aerobic.

Idiomarina abyssalis (Ivanova *et al*., 2000)
KMM 227^T = 90/2^T = CIP 107408^T /Sea water, 5000 m depth, Pacific Ocean, 8º 20' N; 133º 00' W/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2000), 50, 901-907, Ivanova E.P *et al*.

Idiomarina zobellii (Ivanova *et al*., 2000)
KMM 231^T = 531^T = CIP 107407^T /Sea water, 4000 m depth, Pacific Ocean, 12º 40' N; 131º 20' W/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2000), 50, 901-907, Ivanova E.P *et al*.

***Idiomarina* sp.**
KMM 8005 = L3B6 / Brown alga *Laminaria saccharina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic.

***Idiomarina* sp.**
KMM 1436 = R38/ Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

Kangiella japonica (Romanenko *et al*., 2010)
KMM 3899^T = Sd2-40^T = NRIC 0764^T = JCM 16211^T / Marine sediments, the Sea of Japan, Russia/ Medium 1, 30 ºC, aerobic. **Reference:** IJSEM (2010), 60, 2583-2586, Romanenko L.A *et al*.

Kangiella japonica (Romanenko *et al*., 2010)
KMM 3896 = SW2-3 /Sea water, the Sea of Japan, Russia/ Medium 1, 30 ºC, aerobic. **Reference:** IJSEM (2010), 60, 2583-2586, Romanenko L.A *et al*.

Kangiella japonica (Romanenko *et al*., 2010)
KMM 3897 = SW2-5 /Sea water, the Sea of Japan, Russia/ Medium 1, 30 ºC, aerobic. **Reference:** IJSEM (2010), 60, 2583-2586, Romanenko L.A *et al*.

***Kushneria* sp.**
KMM 6521, IDSW-3; sea water, Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Lysobacter spongiicola (Romanenko *et al*., 2008)
KMM 329^T = 13-54-6^T = NRIC 0728^T = JCM 14760^T /Sponge *Pachastrella* sp., the Philippine Sea/ Medium 3, 28 ºC, aerobic. **Reference:** IJSEM (2008), 58, 370-374, Romanenko L.A *et al*.

Marinicella litoralis (Romanenko *et al*., 2010)
KMM 3900^T = SW2-10^T = NRIC 0758^T = JCM 16154^T /Sea water, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2010), 60, 1613-1619, Romanenko L.A *et al*.

Marinobacter bryozoorum (Romanenko *et al*., 2005)
KMM 3840^T = 14-50-11^T = DSM 15401^T /Bryozoan, the Bering Sea/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2005), 55, 143-148, Romanenko L.A *et al*.

Marinobacter excellens (Gorshkova *et al.*, 2003)
KMM 3809^T = Fg 86 = CIP 107686^T / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2003), 53, 2073-2078, Gorshkova N.M *et al.*

Marinobacter excellens (Gorshkova *et al.*, 2003)
KMM 3814 = Fg 85 / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2003), 53, 2073-2078, Gorshkova N.M *et al.*

Marinobacter excellens (Gorshkova *et al.*, 2003)
KMM 3815 = Fg 85/1 / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2003), 53, 2073-2078, Gorshkova N.M *et al.*

Marinobacter excellens (Gorshkova *et al.*, 2003)
KMM 3817 = Fg 86/1 / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2003), 53, 2073-2078, Gorshkova N.M *et al.*

Marinobacter excellens (Gorshkova *et al.*, 2003)
KMM 3818 = Fg 86/2 / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2003), 53, 2073-2078, Gorshkova N.M *et al.*

Marinobacter litoralis
KMM 6246, M-Scf 13; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Marinomonas pontica (Ivanova *et al.*, 2005)
KMM 3492^T = $46\text{-}16^T$ = LMG 22531^T = UCM 11075^T / Sea water, Karadag Natural Reserve of the Eastern Crimea, Black Sea, Ukraine / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2005), 55, 275-279, Ivanova E.P *et al.*

Marinobacter sediminum (Romanenko *et al*., 2005)
KMM 3657^T = $R65^T$ = DSM 15400^T / Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2005), 55, 143-148, Romanenko L.A *et al*.

***Marinobacter* sp.**
KMM 1382 = 3.2.7 /Ascidian *Styela clava*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Marinobacter* sp**.
KMM 1384 = 3.7.4 /Ascidian *Styela clava*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Marinobacter* sp.**
KMM 647 = 558 /Sea water, 75 m depth, Pacific Ocean, 9º20' N; 133º20' W/ Medium 1, 28 ºC, aerobic.

***Marinobacter* sp.**
KMM 236 = 647 /Sea water, 5000 m depth, Pacific Ocean, 9º20' N; 134º40' W/ Medium 1, 28 ºC, aerobic.

***Marinobacter* sp.**
KMM 252 = 443 /Sea water, 100 m depth, Pacific Ocean, 12º40' N; 134º40' W/ Medium 1, 28 ºC, aerobic.

***Marinobacter* sp**.

KMM 229 = 430 /Sea water, 200 m depth, Pacific Ocean, 10º59' N; 134º20' W/ Medium 1, 28 ºC, aerobic.

***Marinobacter* sp.**
KMM 3 = 316 /Sea water, 30 m depth, Pacific Ocean, 12º20' N; 131º40' W/ Medium 1, 28 ºC, aerobic.

***Marinobacter* sp.**
KMM 1438 = 468 /Sea water, 100 m depth, Pacific Ocean, 12º41' N; 132º38' W/ Medium 1, 28 ºC, aerobic

***Marinobacter* sp.**
KMM 30 = 12 /Sea water, 20 m depth, Pacific Ocean, 15º00' N; 133º00' W/ Medium 1, 28 ºC, aerobic.

***Marinobacter* sp.**
KMM 214 = 445 /Sea water, 200 m depth, Pacific Ocean, 12º40' N; 134º40' W/ Medium 1, 28 ºC, aerobic.

***Marinobacter* sp.**
KMM 217 = 446 /Sea water, 200 m depth, Pacific Ocean, 12º40' N; 134º40' W/ Medium 1, 28 ºC, aerobic.

***Marinobacter* sp.**
KMM 9 = 96 /Sea water, 75 m depth, Pacific Ocean, 9º20' N; 133º20' W/ Medium 1, 28 ºC, aerobic.

***Marinobacter* sp.**
KMM 1442 = R68 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Marinobacter* sp.**
KMM 9027 = Sd2-35 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC,

Marinomonas arenicola (Romanenko *et al*., 2009)
KMM 3893^T = Sd3^T =NRIC 0752^T =JCM 15737^T /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2009), 59, 2834-2838, Romanenko L.A *et al*.

Marinomonas primoryensis (Romanenko *et al*., 2003)
KMM 3633^T = Pi61^T = NRIC 523^T = JCM 11775^T /Sea ice, the Sea of Japan, Russia/
Medium 1, 20 ºC, aerobic. **Reference**: IJSEM (2003), 53, 829-832, Romanenko L.A ***et al.***

Marinomonas primoryensis (Romanenko *et al*., 2003)
KMM 3634 = Pi64 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic. **Reference**: IJSEM (2003), 53, 829-832, Romanenko L.A *et al*.

Microbulbifer thermotolerans
KMM 6242, M-Sh 1; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.
Microbulbifer thermotolerans
KMM 6262, M-Sgf 25; the sea urchin *Strongylocentrotus intermedius*; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Microbulbifer thermotolerans
KMM 6263, M-14G-21; the bottom sediment; Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Oceanisphaera litoralis (Romanenko *et al*., 2003)
KMM 3654^T = R5 ^{T} = DSM 15406^T /Marine sediments, the Sea of Japan, Russia/
Medium 1, 28 ºC, aerobic. **Reference**: IJSEM (2003), 53, 1885-1888, Romanenko L.A *et al*.

Pacificibacter maritimus (Romanenko *et al*., 2011)
KMM 9031^T = $D1^T$ = NRIC 0785^T = JCM 17096^T /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2011), 61, 1375-1381, Romanenko L.A *et al*.

***Pantoea* sp.**
KMM 3872 = An 23 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic. **Reference:** Microbiol. Res. (2008), 163, 633-644, Romanenko L.A *et al*.

***Pantoea* sp.**
KMM 3873 = An 9 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 ºC, aerobic. **Reference:** Microbiol. Res. (2008), 163, 633-644, Romanenko L.A *et al*.

Pseudoalteromonas agarivorans (Romanenko *et al*., 2003)
KMM 232 = 178 / Sea water, 500 m depth, Pacific Ocean, 10º00' N; 133º40' W/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2003), 53, 125-131, Romanenko L.A *et al*.

Pseudoalteromonas agarivorans (Romanenko *et al*., 2003)
KMM 254 = 6-273-6 /Ascidian *Clarelina molucensis*, Indian Ocean/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2003), 53, 125-131, Romanenko L.A *et al*.

Pseudoalteromonas agarivorans (Romanenko *et al*., 2003)
KMM 644 = 5-24 /Ascidian *Halocynthia aurantium*, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2003), 53, 125-131, Romanenko L.A *et al*.

Pseudoalteromonas aliena (Ivanova *et al.*, 2004)
KMM 3562^T = $SW19^T$ = LMG 22059^T / Sea water, Amursky Bay, Sea of Japan, Russia / Medium 1, 22-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1431-1437, Ivanova E.P *et al.*

Pseudoalteromonas aliena (Ivanova *et al.*, 2004)
KMM 3536 / Sea water, Amursky Bay, Sea of Japan, Russia / Medium 1, 22-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1431-1437, Ivanova E.P *et al.*

Pseudoalteromonas aliena (Ivanova *et al.*, 2004)
KMM 3537 / Sea water, Amursky Bay, Sea of Japan, Russia / Medium 1, 22-25ºC, aerobic
Reference: IJSEM (2004), 54, 1431-1437, Ivanova E.P *et al.*

Pseudoalteromonas aliena (Ivanova *et al.*, 2004)
KMM 3538 / Sea water, Amursky Bay, Sea of Japan, Russia / Medium 1, 22-25ºC, aerobic.**Reference:** IJSEM (2004), 54, 1431-1437, Ivanova E.P *et al.*

Pseudoalteromonas aliena (Ivanova *et al.*, 2004)
KMM 3539 / Sea water, Amursky Bay, Sea of Japan, Russia / Medium 1, 22-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1431-1437, Ivanova E.P *et al.*

Pseudoalteromonas aliena (Ivanova *et al.*, 2004)
KMM 3615 / Sea water, Amursky Bay, Sea of Japan, Russia / Medium 1, 22-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1431-1437, Ivanova E.P *et al.*

Pseudoalteromonas aliena (Ivanova *et al.*, 2004)
KMM 3629 / Sea water, Amursky Bay, Sea of Japan, Russia / Medium 1, 22-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1431-1437, Ivanova E.P *et al.*

Pseudoalteromonas citrea
KMM 7447 = 10SG6 /sediment coastal, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25ºC, aerobic.

Pseudoalteromonas citrea
KMM 7448 = 10SG7 /sediment coastal, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25ºC, aerobic

Pseudoalteromonas flavipulchra (Ivanova *et al.*, 2002) (***Pseudoalteromonas aurantia***, NCIMB 2033)
KMM 3630^T = NCIMB 2033^T = ATCC BAA-314^T = LMG 20361^T / Sea water, Nice, France/ Medium 1, 25-35ºC, aerobic. **Reference:** IJSEM (2002), 52, 263-271, Ivanova E.P *et al.*

Pseudoalteromonas issachenkonii (Ivanova *et al.*, 2002)
KMM 3549^T = LMG 19697^T = CIP 106858^T / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30ºC, aerobic. **Reference:** IJSEM (2002), 52, 229-234, Ivanova E.P *et al.*

Pseudoalteromonas issachenkonii (Ivanova *et al.*, 2002)
KMM 3558 = F 2 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30ºC, aerobic. **Reference:** IJSEM (2002), 52, 229-234, Ivanova E.P *et al.*

Pseudoalteromonas maricaloris (Ivanova *et al.*, 2002)
KMM 636^T = LMG 19692^T = CIP 106859^T / Sponge *Fascaplysinopsis reticulata*, Coral Sea, Pacific Ocean (latitude 14° 30′ 2′′ S, longitude 144° 56′ 9′′ E) / Medium 1, 25-35ºC, aerobic. **Reference:** IJSEM (2002), 52, 263-271, Ivanova E.P *et al.*

Pseudoalteromonas mariniglutinosa (Romanenko *et al*., 2003)
KMM 3635^T = NCIMB 1770^T /Diatom *Chaetoceros lauderi*, the Gulf Marseille/ **Reference:** IJSEM (2003), 53, 1105-1109, Romanenko L.A *et al*.

Pseudoalteromonas paragorgicola (Ivanova *et al.*, 2002)
KMM3548^T = LMG 19694^T = ATCC BAA-322^T / Gorgonian *Paragorgia arborea*, Onekotan, Kuril Islands, Russia (latitude 49° 22′ 1′′ N, longitude 154° 09′ 5′′ E) / Medium 1, 25ºC, aerobic. **Reference:** IJSEM (2002), 52, 1759-1766, Ivanova E.P *et al.*

Pseudoalteromonas ruthenica (Ivanova *et al.*, 2002)
KMM 300^T = LMG 19699^T = CIP 106857^T / Mussel *Crenomytilus grayanus*, Troitza Bay, Gulf of Peter the Great, Sea of Japan, Russia / Medium 1, 25-30ºC, aerobic. **Reference:** IJSEM (2002), 52, 235-240, Ivanova E.P *et al.*

Pseudoalteromonas ruthenica (Ivanova *et al.*, 2002)
KMM 290 / Scallop *Patinopecten yessoensis*, Troitza Bay, Gulf of Peter the Great, Sea of Japan, Russia / Medium 1, 25-30ºC, aerobic. **Reference:** IJSEM (2002), 52, 235-240, Ivanova E.P *et al.*

Pseudoalteromonas translucida (Ivanova *et al.*, 2002)
KMM 520^T = LMG 19696^T = ATCC BAA-315^T / Sea water, Troitza Bay, Gulf of Peter the Great, Sea of Japan, Russia / Medium 1, 25ºC, aerobic. **Reference:** IJSEM (2002), 52, 1759-1766, Ivanova E.P *et al.*

***Pseudoalteromonas* sp.**
KMM 22 = 5-55 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 213 = 6-273-18 /Ascidian *Polysyncraton* sp., Indian Ocean, 33°41'S, 134°28'E/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp**.
KMM 215 = As3-6 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic

***Pseudoalteromonas* sp.**
KMM 219 = Asb1-3 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp**.
KMM 220 = k6 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 221 = As3-4 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp**.
KMM 223 = 44-1 /Sea water, 1950 m depth, Pacific Ocean, 15º00’ N; 133º00’ W/ Medium 1, 28 ºC, aerobic / Producer of polyuridyl-specific endoribonuclease / **Reference:** Patent of the Russian Federation № 2026347, (1995), BI № 139, Romanenko L.A *et al*.

***Pseudoalteromonas* sp**.
KMM 237 = 6-4 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp**.
KMM 249 = Asb2-1 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 251 = As3-3 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 253 = 4-10 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**

KMM 517 = Asb8 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp**.
KMM 500 = p2 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 646 = 5-32 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 743 = 5-23 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Producer of restriction endonuclease/ Medium 1, 28 ºC, aerobic. **Reference:** Biologiya Morya – Russian Journal of Marine Biology (2001), 27, 334-339, Romanenko L.A *et al*.

***Pseudoalteromonas* sp.**
KMM 1451 = 5-30 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 1452 = 5-37 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp**.
KMM 1453 = 5-41 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 1454 = 5-42 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 1455 = 24g /Marine sediments, the Sea of Japan, Troitsa Bay, Peter the Great Bay, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 1456 = 25g /Marine sediments, the Sea of Japan, Troitsa Bay, Peter the Great Bay, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp**.
KMM 742 = 5-58 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Producer of restriction endonuclease/ Medium 1, 28 ºC, aerobic.
Reference: Biologiya Morya - Russian Journal of Marine Biology (2001), 27, 334-339, Romanenko L.A *et al*.

***Pseudoalteromonas* sp.**
KMM 3648 = 19g /Marine sediments, the Sea of Japan, Troitsa Bay, Peter the Great Bay, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**

KMM 1378 = Pi2-15 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp**.
KMM 1379 = Pi2-16 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 1390 = Pi2-19 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 1464 = R26 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 1433 = R33 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 3854 = An27 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 1, 6, 28 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko L.A *et al*.

***Pseudoalteromonas* sp.**
KMM 3855 = An8 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 1, 6, 28 ºC, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko L.A *et al*.

***Pseudoalteromonas* sp.**
KMM 1513 = 14-35-10 / Sponge, the Bering Sea / Medium 1, 28 ºC, aerobic

***Pseudoalteromonas* sp**.
KMM 1598 = 15-44-1 / Sponge *Amphimedon* sp., the Tasman Sea, a depth of 299 m / Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 9101 = Pi3-1 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

***Pseudoalteromonas* sp.**
KMM 9170 = Pi3-72 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic.

Pseudomonas extremorientalis(Ivanova *et al.*, 2002)
KMM 3447^T = LMG 19695^T / Fresh water, drinking (raw) water reservoir, Vladivostok City, Russia / Tryptic soy agar (TSA), 25ºC, aerobic. **Reference:** IJSEM (2002), 52, 2113-2120, Ivanova E.P *et al.*

Pseudomonas marincola (Romanenko *et al*., 2008)
KMM 3042^T = 15-26-6^T = NRIC 729^T =JCM 14761^T/ An unidentified brittle-star, Ophiuroidea, Echinodermata, the Fiji Sea, 480 m depth/ Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2008), 58, 706 - 710, Romanenko L.A *et al*.

Pseudomonas pachastrellae (Romanenko *et al*., 2005)
KMM 330^T = 13-54-12^T = JCM 12285^T = NRIC 0583^T = CCUG 46540^T /Sponge *Pachastrella* sp., the Philippine Sea, a depth of 750 m / Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2005), 55, 919-924, Romanenko L.A *et al*.

Pseudomonas pachastrellae (Romanenko *et al*., 2005)

KMM 331 = 13-54-13 /Sponge *Pachastrella* sp., the Philippine Sea, a depth of 750 m / Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2005), 55, 919-924, Romanenko L.A *et al*.

Pseudomonas stutzeri
KMM 235 = 6-302-15 = CCUG 46542 /Ascidian *Didemnum* sp., the Maldives/ Medium 1, 28 ºC, aerobic. **Reference:** JGAM (2005), 51, 65-71, Romanenko L.A *et al*.

Pseudomonas stutzeri
KMM 226 = 43 /Sea water, 2000 m depth, Pacific Ocean, 15º00' N; 133º00' W/ Medium 1, 28 ºC, aerobic.

Pseudomonas xanthomarina (Romanenko *et al*., 2005)
KMM 1447^{T} = 5-13 ^{T} = JCM 12468^{T}= NRIC 0617^{T} = CCUG 46543^{T} = CIP 109222^{T} /Ascidian *Halocynthia aurantium,* Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 2, 28 ºC, aerobic. **Reference:** JGAM (2005), 51, 65-71, Romanenko L.A *et al*.

***Pseudomonas* sp.**
KMM 7439 = 10w4 /seawater, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25ºC, aerobic.

***Pseudomonas* sp.**
KMM 7440 = 10w5 /seawater, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25ºC, aerobic.

***Pseudomonas* sp.**
KMM 7441 = 10w6 /seawater, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25ºC, aerobic.

***Pseudomonas* sp.**
KMM 7442 = 10sg/sediment coastal, Amursky Bay, Sea of Japan, Pacific Ocean, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25ºC, aerobic.

***Pseudomonas* sp.**
KMM 7443 = 10SG2 /sediment coastal, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25ºC, aerobic.

***Pseudomonas* sp.**
KMM 7444 = 10SG3 /sediment coastal, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25ºC, aerobic.

***Pseudomonas* sp.**
KMM 7445 = 10SG4 /sediment coastal, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25ºC, aerobic.

***Pseudomonas* sp.**
KMM 7446 = 10SG5 /sediment coastal, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium1 or 2, 25ºC, aerobic.

***Pseudomonas* sp.**
KMM 228 = 417 /Sea water, 10 m depth, Pacific Ocean, 10º59' N; 134º20' W/ Medium 1, 28 ºC, aerobic

Pseudomonas sp.
KMM 230 = 549 /Sea water, 1000 m depth, Pacific Ocean, 9º20' N; 131º20' W/ Medium 1, 28 ºC, aerobic

Pseudomonas sp.
KMM 1370 = Pi13 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 1377 = 3.3.4 /Ascidian *Styela clava*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic

Pseudomonas sp.
KMM 1426 = R8 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic

Pseudomonas sp.
KMM 3848 = An 4 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Media 1, 6, 28 ºC, aerobic
Reference: Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

Pseudomonas sp.
KMM 3881 = An 10 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Media 1, 6, 28 ºC, aerobic
Reference: Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

Pseudomonas sp.
KMM 3631 = Pi14 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 3632 = Pi32 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9108 = Pi3-8 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9121 = Pi3-21 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9123 = Pi3-23 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9128 = Pi3-28 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9130 = Pi3-30 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9131 = Pi3-31 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9133 = Pi3-33 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9134 = Pi3-34 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9135 = Pi3-35 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.
Pseudomonas sp.
KMM 9137 = Pi3-37 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9141 = Pi3-42 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9156 = Pi3-58 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9158 = Pi3-60 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9160 = Pi3-62 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9161 = Pi3-63 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Pseudomonas sp.
KMM 9162 = Pi3-64 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** M&E (2008), 23, 209-214, Romanenko L.A *et al*.

***Pseudomonas* sp.**
KMM 9169 = Pi3-71 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** M&E (2008), 23, 209-214, Romanenko L.A *et al*.

Pseudomonas sp.
KMM 9171 = Pi3-73 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic. **Reference:** M&E (2008), 23, 209-214, Romanenko L.A *et al*.

***Pseudomonas* sp**.
KMM 9172 = Pi3-74 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter arenosus (Romanenko *et al*., 2004)
KMM 3659^T = $R7^T$ = DSM 15389^T /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: IJSEM (2004), 54, 1741-1745, Romanenko LA *et al*.

Psychrobacter fulvigenes (Romanenko *et al*., 2009)
KMM 3954^T = KC 40^T = NRIC 0746^T = JCM 15525^T /Crustacean *Paralithodes camtschatica,* Decapoda, the Sea of Japan/ Medium 6, 28 ºC, aerobic
Reference: IJSEM (2009), 59, 1480-1486, Romanenko LA *et al*.

Psychrobacter fulvigenes (Romanenko *et al*., 2009)
KMM 3967 = KC 65 /Crustacean *Paralithodes camtschatica,* Decapoda, the Sea of Japan/ Medium 6, 28 ºC, aerobic
Reference: IJSEM (2009), 59, 1480-1486, Romanenko LA *et al*.

Psychrobacter immobilis
KMM 1389 = Pi2-10 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter marincola (Romanenko *et al*., 2002)
KMM 277^T = 6-238-6^T = DSM 14160^T /Ascidian *Polysyncraton* sp., Indian Ocean, 33°41'S, 134°28'E/ Medium 1, 28 ºC, aerobic
Reference: IJSEM (2002), 52, 1291-1297, Romanenko LA *et al*.

Psychrobacter maritimus (Romanenko *et al*., 2004)
KMM 3646^T = Pi2-20^T = DSM 15387^T /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: IJSEM (2004), 54, 1741-1745, Romanenko LA *et al*.

Psychrobacter maritimus (Romanenko *et al*., 2004)
KMM 3645 = Pi2-25 = DSM 15397 / Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: IJSEM (2004), 54, 1741-1745, Romanenko LA *et al*.

Psychrobacter maritimus (Romanenko *et al*., 2004)
KMM 3643 = Pi2-4 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: IJSEM (2004), 54, 1741-1745, Romanenko LA *et al*.

Psychrobacter submarinus (Romanenko *et al*., 2002)
KMM 225^T = 478^T = DSM 14161^T /Sea water, 300 depth, Pacific Ocean, 12°41'N, 132°38'W/ Medium 1, 28 ºC, aerobic
Reference: IJSEM (2002), 52, 1291-1297, Romanenko LA *et al*.

Psychrobacter urativorans
KMM 1407 = Pi2-50 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter urativorans

KMM 3841= Pi2-28 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 773 = Pi22 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3638 = Pi2-1 = DSM 15403 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3639 = Pi2-7 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3640 = R20 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic

Psychrobacter sp.
KMM 3641 = Pi2-13 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3642 = Pi2-51 = DSM 15386 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3644 = Pi2-33 = DSM 15404 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3651 = 14-127-6 / Sponge *Polymastia affinis*, the Bering Sea/ Medium 1, 28 ºC, aerobic

Psychrobacter sp.
KMM 3652 = Pi2-52 = DSM 15404 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 1375 = Pi2-6 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 1381 = Pi2-30 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 1398 = Pi2-46 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 1400 = Pi2-47 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 1401 = Pi2-48 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 1402 = Pi2-49 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 1410 = Pi2-40 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 1411 = Pi2-53 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3843 = Pi29 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3846 = An 2 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 2, 28 ºC, aerobic
Reference: Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3847 = An 13 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 2, 28 ºC, aerobic
Reference: Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3849 = An 30 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 2, 28 ºC, aerobic
Reference: Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3850 = An 36 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 2, 28 ºC, aerobic
Reference: Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3853 = An 25 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 2, 28 ºC, aerobic
Reference: Microbiol Res (2008), 163, 633-644, Romanenko LA *et al*.

Psychrobacter sp.
KMM 1517 = Sh19 / Mollusk *Umbonium costatum,* Gastropoda, Trochidae, the Sea of Japan/ Medium 1, 28 ºC, aerobic

Psychrobacter sp.
KMM 3844 = Pi46 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3845 = Pi54 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3875 = Pi2-21 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 3876 = Pi2-34 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter sp.
KMM 1388 = Pi2-5 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Psychrobacter **sp.**
KMM 8006 = Z 304 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 C, aerobic.

Psychrobacter **sp.**
KMM 8007 = Z 307 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28ºC, aerobic.

Rahnella sp. (***Rahnella*** genospecies 3)
KMM 9155 = Pi3-57 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Reinekea marinisedimentorum (Romanenko *et al*., 2004)
KMM 3655^T = $R59^T$ = DSM 15388^T /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 ºC, aerobic
Reference: IJSEM (2004), 54, 669-673, Romanenko LA *et al*.

Rheinheimera pacifica (Romanenko *et al*., 2003)
KMM 1406^T =194^T = IAM 15043^T = JCM 12090^T = NRIC 0539^T = CCUG 46544^T /Sea water, 5000 m depth, Pacific Ocean, 10º00' N; 133º40' W/ Medium 1, 28 ºC, aerobic
Reference: IJSEM (2003), 53, 1973-1977, Romanenko LA *et al*.

Shewanella affinis (Ivanova *et al.*, 2004) --> ***Shewanella colwelliana*** (Satomi *et al.*, 2007)
KMM 3587^T = CIP 107703^T = ATCC BAA-642^T / Sipuncula *Phascolosoma japonicum*, Troitza Bay, Gulf of Peter the Great, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1089-1093, Ivanova EP *et al.* IJSEM (2007), 57, 347-352, Satomi M. *et al.*

Shewanella affinis (Ivanova *et al.*, 2004) --> ***Shewanella colwelliana*** (Satomi *et al.*, 2007)
KMM 3586 / Unidentified hydrocoral, Makarov Bay, Iturup Island, Kuril Islands, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1089-1093, Ivanova EP *et al.* IJSEM (2007), 57, 347-352, Satomi M. *et al.*

Shewanella affinis (Ivanova *et al.*, 2004) --> ***Shewanella colwelliana*** (Satomi *et al.*, 2007)
KMM 3821 / Unidentified hydrocoral, Makarov Bay, Iturup Island, Kuril Islands, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1089-1093, Ivanova E.P *et al.* IJSEM (2007), 57, 347-352, Satomi M. *et al.*

Shewanella affinis (Ivanova *et al.*, 2004) --> ***Shewanella colwelliana*** (Satomi *et al.*, 2007)
KMM 3822 / Unidentified hydrocoral, Makarov Bay, Iturup Island, Kuril Islands, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1089-1093, Ivanova E.P *et al.* IJSEM (2007), 57, 347-352, Satomi M. *et al.*

Shewanella fidelis (Ivanova *et al*., 2003)
KMM 3582^T = LMG 20551^T = ATCC BAA-318^T / Sediment, South China Sea (29° 33,2´ N, 125°14,2´ E) / Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2003), 53, 577-582, Ivanova E.P *et al.*

Shewanella fidelis (Ivanova *et al*., 2003)
KMM 3589 / Sea water, Troitza Bay, Gulf of Peter the Great, Sea of Japan, Russia / Medium 1, 28 ºC, aerobic. **Reference:** IJSEM (2003), 53, 577-582, Ivanova E.P *et al.*

Shewanella frigidimarina
KMM 3649 = Pi 42 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.
Mikrobiologiya (2011), 80, 33-39, Frolova GM *et al*.

Shewanella frigidimarina
KMM 3650 = Pi 43 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.
Mikrobiologiya (2011), 80, 33-39, Frolova GM *et al*.

Shewanella frigidimarina
KMM 3877 = Pi 2-35 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.
Mikrobiologiya (2011), 80, 33-39, Frolova GM *et al*.

Shewanella frigidimarina
KMM 1445 = Pi 2-37 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.
Mikrobiologiya (2011), 80, 33-39, Frolova GM *et al*.

Shewanella japonica (Ivanova *et al*., 2001)
KMM 3299^T = LMG 19691^T = CIP 106860^T / Sea water, Troitza Bay, Gulf of Peter the Great, Sea of Japan, Russia / Medium 1, 20-25 ºC, aerobic. **Reference:** IJSEM (2001), 51, 1027-1033, Ivanova E.P *et al.*

Shewanella japonica (Ivanova *et al*., 2001)
KMM 3000 / Mussel *Protothaca jedoensis*, Yellow Sea, Pacific Ocean / Medium 1, 20-25 ºC, aerobic. **Reference:** IJSEM (2001), 51, 1027-1033, Ivanova E.P *et al.*

Shewanella pacifica (Ivanova *et al.*, 2004)
KMM 3597^T = R10SW1^T = CIP 107849^T / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1083-1087, Ivanova E.P *et al.*

Shewanella pacifica (Ivanova *et al.*, 2004)
KMM 3775 / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1083-1087, Ivanova E.P *et al.*

Shewanella pacifica (Ivanova *et al.*, 2004)
KMM 3590 = R11SW2 / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1083-1087, Ivanova E.P *et al.*

Shewanella pacifica (Ivanova *et al.*, 2004)
KMM 3772 = R11SW3 / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1083-1087, Ivanova E.P *et al.*

Shewanella pacifica (Ivanova *et al.*, 2004)
KMM 3605 = R10SW15 / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1083-1087, Ivanova E.P *et al.*

Shewanella pacifica (Ivanova *et al.*, 2004)
KMM 3601 = R10SW16 / Sea water, Chazhma Bay, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2004), 54, 1083-1087, Ivanova E.P *et al.*

Shewanella waksmanii (Ivanova *et al*., 2003)
KMM 3823^T = CIP 107701^T = ATCC BAA-643^T / Sipuncula (peanut worm) *Phascolosoma japonicum*, Troitza Bay, Gulf of Peter the Great, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2003), 53, 1471-1477, Ivanova E.P *et al.*

Shewanella waksmanii (Ivanova *et al*., 2003)
KMM 3836 / Sipuncula (peanut worm) *Phascolosoma japonicum*, Troitza Bay, Gulf of Peter the Great, Sea of Japan, Russia / Medium 1, 20-25ºC, aerobic. **Reference:** IJSEM (2003), 53, 1471-1477, Ivanova E.P *et al.*

Shewanella sp.
KMM 1366 = Pi 2 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.
Mikrobiologiya (2011), 80, 33-39, Frolova GM *et al*.

Shewanella sp.
KMM 3856 = Pi 3 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.
Mikrobiologiya (2011), 80, 33-39, Frolova GM *et al*.

Shewanella sp.
KMM 3874 = Pi 5 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.
Mikrobiologiya (2011), 80, 33-39, Frolova GM *et al*.

Shewanella sp.
KMM 1465 = Pi 2-29 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.
Mikrobiologiya (2011), 80, 33-39, Frolova GM *et al*.

Shewanella sp.
KMM 1545 = Pi 2-64 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic **Reference:** M&E (2008), 23, 209-214, Romanenko LA *et al*.
Mikrobiologiya (2011), 80, 33-39, Frolova GM *et al*.

Shewanella sp.
KMM 1419 = Pi 2-65 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.
Mikrobiologiya (2011), 80, 33-39, Frolova GM *et al*.

Shewanella sp.
KMM 9103 = Pi3-3 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Shewanella sp.
KMM 9113 = Pi3-13 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Shewanella sp.
KMM 9120 = Pi3-20 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Shewanella sp.
KMM 9139 = Pi3-39/Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Shewanella sp.
KMM 9140 = Pi3-41/Sea ice, the Sea of Japan, Russia/ Medium 1, 20 ºC, aerobic
Reference: M&E (2008), 23, 209-214, Romanenko LA *et al*.

Stenotrophomonas rhizophila
KMM 1417 = 14-29-2 / A brittle star, Ophiuroidea, Echinodermata, a depth of 246 m, the Bering Sea, Unimak Island/
Reference: Arch Microbiol (2008), 189, 337-244, Romanenko LA *et al*.

Stenotrophomonas rhizophila
KMM 1418 = 14-29-4 / A brittle star, Ophiuroidea, Echinodermata, a depth of 246 m, the Bering Sea, Unimak Island/
Reference: Arch Microbiol (2008), 189, 337-244, Romanenko LA *et al*.

Stenotrophomonas sp. (***S. malthophilia*** **group**)
KMM 339 = 13-38-3 /Sponge *Stelletta* sp., Astrophorida, Ancorinidae, 388 m depth, the Philippine Sea/ Medium 1, 28 ºC, aerobic
Reference: Arch Microbiol (2008), 189, 337-244, Romanenko LA *et al*.

Stenotrophomonas sp. (***S. malthophilia*** **group**)
KMM 349 = 13-39-9 /An unidentified sponge, 388 m depth, the Philippine Sea/ Medium 1, 28 ºC, aerobic
Reference: Arch Microbiol (2008), 189, 337-244, Romanenko LA *et al*.

Stenotrophomonas sp. (***S. malthophilia*** group)

KMM 365 = 13-12-9 /Sea urchin, Echinodermata, 326 m depth, the Philippine Sea/ Medium 1, 28 ºC, aerobic
Reference: Arch Microbiol (2008), 189, 337-244, Romanenko LA *et al*.

Stenotrophomonas sp. (***S. malthophilia*** group)
KMM 3045 = 15-26-3 /A brittle-star, Ophiuroidea, Echinodermata, the Fiji Sea, 480 m depth/ Medium 1, 28 ºC, aerobic
Reference: Arch Microbiol (2008), 189, 337-244, Romanenko LA *et al*.

Umboniibacter marinipuniceus (Romanenko *et al*., 2010)
KMM 3891^T = $Sh24^T$ = NRIC 0753^T = JCM 15738^T / Mollusk *Umbonium costatum,* Gastropoda, Trochidae, the Sea of Japan/ Medium 1, 28 ºC, aerobic
Reference: IJSEM (2010), 60, 603-609, Romanenko LA *et al*.

Umboniibacter marinipuniceus (Romanenko *et al*., 2010)
KMM 3892 = Sh25 / Mollusk *Umbonium costatum,* Gastropoda, Trochidae, the Sea of Japan/ Medium 1, 28 ºC, aerobic
Reference: IJSEM (2010), 60, 603-609, Romanenko LA *et al*.

Unidentified proteobacteria

KMM 3568 = M3G35 /sediment, Posiet Bay, Sea of Japan, Pacific Ocean, 2 m, 2002, Russia/ Medium 1 or 2, 25ºC, aerobic.
2 KMM 3570 = M3G30 /sediment, Posiet Bay, Sea of Japan, Pacific Ocean, 2m, 2002, Russia/ Medium 1 or 2, 25ºC, aerobic
3 KMM 3571 = 19-19G1 /sediment, i. Paramushir, Kuril isles, Sea of Okhotsk, Pacific Ocean, 1.5m, 1996, Russia/ Medium 1 or 2, 25ºC, aerobic
4 KMM 3574 = 19-18-2/2b /brown alga *Fucus evanescens*, i. Paramushir, Kuril isles, Sea of Okhotsk, Pacific Ocean, 1996, Russia/ Medium 1 or 2, 25ºC, aerobic
5 KMM 3575 = 19-18-2/4 /brown alga *Fucus evanescens*, i. Paramushir, Kuril isles, Sea of Okhotsk, Pacific Ocean, 1996, Russia/ Medium 1 or 2, 25ºC, aerobic
7 KMM 7351 = 27-29g1 /sediment, Aniva Bay, Sea of Okhotsk, Pacific Ocean, 36 m, 2001, Russia/ Medium 1 or 2, 25ºC, aerobic
8 KMM 7352 = 29-1g10 /sediment, Peter the Great Bay, Sea of Japan, Pacific Ocean, 33 m, 2003, Russia/ Medium 1 or 2, 25ºC, aerobic
9 KMM 7353 = 29-5w1 /seawater, Lunsky Bay, i. Sakhalin, Pacific Ocean, 2003, Russia /Medium 1 or 2, 25ºC, aerobic
10 KMM 7354 = 29-5w2 /seawater, Lunsky Bay, i. Sakhalin, Pacific Ocean, 2003, Russia /Medium 1 or 2, 25ºC, aerobic
11 KMM 7355 = 29-1w1/seawater, Peter the Great Bay, Sea of Japan, Pacific Ocean, 2003, Russia / Medium 1 or 2, 25ºC, aerobic
12 KMM 7356 = 29-18-2/2 /sponge *Esperiopsis digitata*, Piltun Bay, i. Sakhalin, Pacific Ocean,107 m, 2003, Russia, / Medium 1 or 2, 25ºC, aerobic
13 KMM 7357 = 29-18-2/3 /sponge *Esperiopsis digitata*, Piltun Bay, i. Sakhalin, Pacific Ocean, 107 m, 2003, Russia, / Medium 1 or 2, 25ºC, aerobic
14 KMM 7358 = 29-18-2/5 /sponge *Esperiopsis digitata*, Piltun Bay, i. Sakhalin, Pacific Ocean, 107 m, 2003, Russia/ Medium 1 or 2, 25ºC, aerobic

15 KMM 7359 = 29-19-1/1 /sponge *Halichondria panicea*, Piltun Bay, i. Sakhalin, Pacific Ocean, 107m, 2003, Russia, /Medium 1 or 2, 25ºC, aerobic
16 KMM 7360 = 29-19-1/2 /sponge *Halichondria panicea*, i. Sakhalin, Piltun Bay, Pacific Ocean, 107 m, 2003, Russia/Medium 1 or 2, 25ºC, aerobic
17 KMM 7361 = 29-19-1/3 /sponge *Halichondria panicea*, i. Sakhalin, Piltun Bay, Pacific Ocean, 107 m, 2003, Russia/Medium 1 or 2, 25ºC, aerobic
18 KMM 7362 = 29-51-2/1 /sponge *Dysidea* sp., i. Bolshoy Shantar, Sea of Okhotsk, Pacific Ocean, 34 m, 2003, Russia/Medium 1 or 2, 25ºC, aerobic
19 KMM 7363 = 29-51-2/2 /sponge *Dysidea* sp., i. Bolshoy Shantar, Sea of Okhotsk, Pacific Ocean, 34 m, 2003, Russia/Medium 1 or 2, 25ºC, aerobic
20 KMM 7364 = 31-1-12/1 /sponge *Spongionella schmidti*, Aniva Bay, i. Sakhalin, Pacific Ocean, 39 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
21 KMM 7365 = 31-1-12/2 /sponge *Spongionella schmidti,* Aniva Bay , i. Sakhalin, Pacific Ocean, 39 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
22 KMM 7366 = 31-2-8/2 /sponge *Hymedesmia af. irregularis*, Aniva Bay, i. Sakhalin, Pacific Ocean, 37 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
23 KMM 7367 = 31-2-8/3 /sponge *Hymedesmia af. irregularis*, Aniva Bay, i. Sakhalin, Pacific Ocean, 37 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
24 KMM 7368 = 31-2-5/3 /sediment sludge, Aniva Bay, i.Sakhalin, Pacific Ocean, 37 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
25 KMM 7369 = 31-2-5/4 /sediment sludge, Aniva Bay, i. Sakhalin, Pacific Ocean, 37m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
26 KMM 7370 = 31-2-2/1 /sponge *Spongionella schmidti,* Aniva Bay, i. Sakhalin, Pacific Ocean, 37 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
27 KMM 7371 = 31-2-2/2 /sponge *Spongionella schmidti,* Aniva Bay, i. Sakhalin, Pacific Ocean, 37 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
28 KMM 7372 = 31-8-19/1 /sponge *Polymastia* sp., i. Iturup, Kuril isles, Sea of Okhotsk, Pacific Ocean,180 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
29 KMM 7373 = 31-8-19/2 /sponge *Polymastia* sp., i. Iturup, Kuril isles, Sea of Okhotsk, Pacific Ocean,180 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
30 KMM 7374 = 31-8-19/3 /sponge *Polymastia* sp., i. Iturup, Sea of Okhotsk, Pacific Ocean, 180 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
31 KMM 7375 = 31-8-21/1 /sponge *Monanchora pulchra*, i. Iturup, Kuril isles, Sea of Okhotsk, Pacific Ocean, 180 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
32 KMM 7376 = 31-8-21/3 /sponge *Monanchora pulchra*, i. Iturup, Kuril isles, Sea of Okhotsk, Pacific Ocean, 180 m, 2005, Russia/ Medium 1 or 2, 25ºC, aerobic
33 KMM 7377 = 31-8g1 /sediment, i. Iturup, Kuril isles, Sea of Okhotsk, Pacific Ocean,180m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
34 KMM 7378 = 31-44g1 /sediment, i.Urup, Kuril isles, Sea of Okhotsk, Pacific Ocean, 200m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
35 KMM 7379 = 31-2-8/6 /sponge *Hymedesmia af. irregularis*, Aniva Bay, i. Sakhalin, Pacific Ocean, 37 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
36 KMM 7380 = 31-2-8/7 /sponge *Hymedesmia af. irregularis*, Aniva Bay, i. Sakhalin, Pacific Ocean, 37 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
37 KMM 7381 =12K1 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25ºC, aerobic
38 KMM 7382 =12K4 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25ºC, aerobic
39 KMM 7383 =12K5 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25ºC, aerobic
40 KMM 7384 = 12K18 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25ºC, aerobic

41 KMM 7385 =12K44 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25ºC, aerobic
42 KMM 7386 =12K46 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25ºC, aerobic
43 KMM 7387 =12K47 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25ºC, aerobic
44 KMM 7388 = 12K58 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25ºC, aerobic
45 KMM 7389 = 34-27-4/2 /alga *Turbinaria* sp., i. Re, South China Sea, 8 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
46 KMM 7390 = 34-56-3/3 /sponge *Haliclona* sp., Vanfong Bay, South China Sea, Pacific Ocean, 10 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
47 KMM 7391 = 34-5-3/6 /mollusc *Glossodoris,* i. Dong Ho, South China Sea, Pacific Ocean, 7 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
48 KMM 7392 = 34-5-3/7 /mollusc *Glossodoris,* i. Dong Ho, South China Sea, Pacific Ocean, 7 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
49 KMM 7393 = 34-5-3/9 /mollusc *Glossodoris,* i. Dong Ho, South China Sea, Pacific Ocean, 7 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
50 KMM 7394 = 34-3-8/7 /sponge *Haliclona cymaeformis* + alga *Ceratodyction spongiosum*, i. Zenk Lam, South China Sea, Pacific Ocean, 7 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
51 KMM 7395 = 34-2g5a /sediment, i. Ko To, South China Sea, Pacific Ocean, 5 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
52 KMM 7396 = 34-1g11 /sediment, i. Ko To, South China Sea, Pacific Ocean, 5 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
53 KMM 7397 = 34-1g12 /sediment, i. Ko To, South China Sea, Pacific Ocean,5 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
54 KMM 7398 = 34-1g12a /sediment, i. Ko To, South China Sea, Pacific Ocean,5 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
55 KMM 7399 = 34-3-8/2b /sponge *Haliclona cymaeformis* + alga *Ceratodyction spongiosum*, i. Zenk Lam, South China Sea, Pacific Ocean, 7 m, 2007, Vietnam/ Medium 1 or 2, 25ºC, aerobic
56 KMM 7400 = 34-3-8/3a /sponge *Haliclona cymaeformis* + alga *Ceratodyction spongiosum*, i. Zenk Lam, South China Sea, Pacific Ocean, 7 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
57 KMM 7402 = 34-3-8/6a /sponge *Haliclona cymaeformis* + alga *Ceratodyction spongiosum*, i. Zenk Lam, South China Sea, Pacific Ocean, 7 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
58 KMM 7403 = 34-4-5/1a /sponge *Haliclona* sp., i. Dong Ho, South China Sea, Pacific Ocean, 5 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
59 KMM 7404 = 34-4-5/3 /sponge *Haliclona* sp., i. Dong Ho, South China Sea, Pacific Ocean, 5 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
60 KMM 7405 = 34-4-5/3a /sponge *Haliclona* sp., i. Dong Ho, South China Sea, Pacific Ocean, 5 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
61 KMM 7406 = 34-5-3/1 /mollusc *Glossodoris,* i. Dong Ho, South China Sea Pacific Ocean,7 m, 2007, Vietnam/ Medium 1 or 2, 25ºC, aerobic
62 KMM 7407 = 34-5-3/2 /mollusc *Glossodoris,* i. Dong Ho, South China Sea, Pacific Ocean,7 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
63 KMM 7408 = 34-5-3/3 /mollusc *Glossodoris,* i. Dong Ho, South China Sea, Pacific Ocean, 7 m, 2007, Vietnam/Medium 1 or 2, 25ºC
64 KMM 7409 = 34-5-3/4 /mollusc *Glossodoris,* i. Dong Ho, South China Sea, Pacific Ocean, 7 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic

65 KMM 7410 = 34-5-3/5 /mollusc *Glossodoris,* i. Dong Ho, South China Sea, Pacific Ocean, 7 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
66 KMM 7411 = 34-56-5/3 /soft coral *Dendronepthya* sp., Vanfong Bay, South China Sea, Pacific Ocean,10 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
67 KMM 7412 = 34-56-5/4 /soft coral *Dendronepthya* sp., Vanfong Bay, South China Sea, Pacific Ocean, 10 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
68 KMM 7413 = 34-59g1 /sediment, Vanfong Bay, South China Sea, Pacific Ocean, 10 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
69 KMM 7414 = 34-59g2 /sediment, Vanfong Bay, South China Sea, Pacific Ocean, 10 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
70 KMM 7415 = 34-59g3 /sediment,Vanfong Bay, South China Sea, Pacific Ocean, 10 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
71 KMM 7416 = 34-3dg1 /sediment, i.Re, South China Sea, Pacific Ocean, 65 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
72 KMM 7417 = 34-3dg2 /sediment, i.Re, South China Sea, Pacific Ocean, 65 m, 2007, Vietnam/Medium 1 or 2, 25ºC, aerobic
73 KMM 7418 = 31-30-11/1 /sponge *Polymastia* sp., i. Shikotan, Kuril isles, Sea of Okhotsk, Pacific Ocean, 157 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
74 KMM 7419 = 31-30-11/2 /sponge *Polymastia* sp., i. Shikotan, Kuril isles, Sea of Okhotsk, Pacific Ocean,Pacific Ocean,157 m, 2005, Russia/Medium 1 or 2, 25ºC
75 KMM 7420 = 31-30-11/3 /sponge *Polymastia* sp., i. Shikotan, Kuril isles, Sea of Okhotsk, Pacific Ocean, 157 m, 2005, Russia/Medium 1 or 2, 25ºC, aerobic
76 KMM 7421 = 7ws1 /seawater, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia, /Medium 1 or 2, 25ºC, aerobic
77 KMM 7422 = 7ws2 /seawater, Posiet Bay, Sea of Japan, Pacific Ocean, 2007,Russia, /Medium 1 or 2, 25ºC, aerobic
78 KMM 7423 = 7ws3 /seawater, Posiet Bay, Sea of Japan, Pacific Ocean, 2007,Russia, /Medium 1 or 2, 25ºC, aerobic
79 KMM 7424 = 7ws4 /seawater, Posiet Bay, Sea of Japan, Pacific Ocean, 2007,Russia, /Medium 1 or 2, 25ºC, aerobic
80 KMM 7425 = 7gs1 /sediment littoral, Posiet Bay, Sea of Japan, Pacific Ocean 2007, Russia /Medium 1 or 2, 25ºC
81 KMM 7426 = 7gs2 /sediment littoral, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia/Medium 1 or 2, 25ºC, aerobic
82 KMM 7427 = 7gs3/sediment littoral, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia/Medium 1 or 2, 25ºC, aerobic
83 KMM 7428 = 7gs4/sediment littoral, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia/Medium 1 or 2, 25ºC, aerobic
84 KMM 7429 = 7gs5 /sediment littoral, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia/Medium 1 or 2, 25ºC, aerobic
85 KMM 7430 = 7gs6 /sediment littoral, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia/Medium 1 or 2, 25ºC, aerobic
86 KMM 7431 = 10w1 /seawater, Amursky Bay, Sea of Japan, Pacific Ocean, 2010 Russia/Medium 1 or 2, 25ºC, aerobic
87 KMM 7432 = 10w2 /seawater, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25ºC, aerobic
88 KMM 7433 = 10w3 /seawater, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25ºC, aerobic
89 KMM 7434 = 11-33-11 /sponge *Verongida* sp., i. Praslin, Indian Ocean, 6 m, 1990, Republic of Seychelles/Medium 1 or 2, 25ºC, aerobic
90 KMM 7435 = 11-33-11a /sponge *Verongida* sp., i. Praslin, Indian Ocean, , 6 m, 1990, Republic of Seychelles/Medium 1 or 2, 25ºC, aerobic

91 KMM 7436 = 11-33-11b /sponge *Verongida* sp., i. Praslin, Indian Ocean, 6 m, 1990, Republic of Seychelles/Medium 1 or 2, 25ºC, aerobic
92 KMM 7437 = 11-33-9 /sponge *Verongida* sp., i. Praslin, Indian Ocean, 6 m, 1990 Republic of Seychelles/Medium 1 or 2, 25ºC, aerobic
93 KMM 7438 = 11-33-9a /sponge *Verongida* sp., i. Praslin, Indian Ocean, 6 m, 1990 Republic of Seychelles/Medium 1 or 2, 25ºC, aerobic

Phylum *Verrucomicrobia*

Class *Verrucomicrobiae*

Roseibacillus persicicus
KMM 6402, M-7Alg 110; the green alga *Cladophora stimpsonii,* Troitsa Bay, Sea of Japan; marine agar (Difco), 25-28°C; aerobic.

Eukaryota

Regnum Fungi (Mycota)

Filamentous fungi

1 *Acremonium hansfordii* (Deighton) W. Gams KMM 4140 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 9m

2 *Acremonium longisporum* (Preuss) W. Gams KMM 4162 The Sea of Japan, the Trinity bay, Ex: sea foam

3 *Acremonium longisporum* (Preuss) W. Gams KMM 4214 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

4 *Acremonium longisporum* (Preuss) W. Gams KMM 4157 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

5 *Acremonium longisporum* (Preuss) W. Gams KMM 4158 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

6 *Acremonium longisporum* (Preuss) W. Gams KMM 4159 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 3m

7 *Acremonium longisporum* (Preuss) W. Gams KMM 4160 The Sea of Japan, the Ussuriysky bay, Ex: sea foam.

8 *Acremonium longisporum* (Preuss) W. Gams KMM 4161 The Sea of Japan, the Trinity bay, Ex: sea foam

9 *Acremonium persicinum* (Nicot) W. Gams KMM 4142 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

10 *Acremonium persicinum* (Nicot) W. Gams KMM 4143 The Sea of Japan, the Trinity bay Ex: alga *Ulva fenestrata* Stackhouse, at a depth of 0,5m

11 *Acremonium persicinum* (Nicot) W. Gams KMM 4144 The Sea of Japan, the Ussuri bay, Ex: sea foam.

12 *Acremonium persicinum* (Nicot) W. Gams KMM 4146 The Sea of Japan, the Trinity bay, keratinophyllic, Ex: bird's flag from bottom sediments at a depth of 1,5m

13 *Acremonium persicinum* (Nicot) W. Gams KMM 4147 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

14 *Acremonium persicinum* (Nicot) W. Gams KMM 4145 The Sea of Japan, the Trinity bay, keratinophyllic, Ex: bird's flag from marine water

15 *Acremonium recifei* (Leão & Lôbo) W. Gams KMM 4156 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 9m

16 *Acremonium roseogriseum* (S.B. Saksena) W. Gams KMM 4138 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 16m

17 *Acremonium roseogriseum* (S.B. Saksena) W. Gams KMM 4139 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

18 *Acremonium roseogriseum* (S.B. Saksena) W. Gams KMM 4137 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

19 *Acremonium rutilum* W. Gams KMM 4135 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 9m

20 *Acremonium rutilum* W. Gams KMM 4136 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

21 *Acremonium rutilum* W. Gams KMM 4133 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 7m

22 *Acremonium rutilum* W. Gams KMM 4134 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 3m

23 *Acremonium* sp. KMM 4155 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

24 *Alternaria* sp. KMM 4095 The Sea of Japan, the Trinity bay, Ex: sea foam

25 *Alternaria* sp. KMM 4096 The Sea of Japan, the Trinity bay, Ex: sea foam

26 *Alternaria* sp. KMM 4097 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 7m

27 *Alternaria* sp. KMM 4100 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

28 *Alternaria sp*. KMM 4397 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Bryopsis plumosa* at a depth of 0,5m

29 *Alternaria sp*. KMM 4400 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,5m

30 *Alternaria* sp. KMM 4098 The Sea of Japan, the Peter the Great Gulf, Ex: bottom sediments at a depth of 282m

31 *Alternaria* sp. KMM 4099 The Sea of Japan, the Peter the Great Gulf, Ex: bottom sediments at a depth of 76m

32 *Aspergillus aeneus* Sappa KMM 4127 The Sea of Japan, the Amur bay, Ex: alga *Briopsis plumosa* at a depth of 0,5m

33 *Aspergillus amstelodami* Thom & Church KMM 4240 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,5m

34 *Aspergillus caesiellus* Saito KMM 4110 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

35 *Aspergillus caesiellus* Saito KMM 4111 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

36 *Aspergillus caesiellus* Saito KMM 4112 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 2m

37 *Aspergillus caesiellus* Saito KMM 4115 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 16m

38 *Aspergillus caesiellus* Saito KMM 4116 The Sea of Japan, the Trinity bay, Ex: marine water at a depth of 15m

39 *Aspergillus caesiellus* Saito KMM 4125 The Sea of Japan, the Trinity bay, Ex: alga *Coccotylus orientalis* at a depth of 9m

40 *Aspergillus caespitosus* Raper & Thom KMM 4113 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 15m

41 *Aspergillus caespitosus* Raper & Thom KMM 4114 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 3,5m

42 *Aspergillus conicus* Blochwitz KMM 4129 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

43 *Aspergillus flavus* Link KMM 4117 The Sea of Japan, the Trinity bay, Ex: marine water at a depth of 15m

44 *Aspergillus flavus* Link KMM 4118 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

45 *Aspergillus flavus* Link KMM 4119 The Sea of Japan, the Amur bay, Ex: sea foam

46 *Aspergillus flavus* var. *oryzae* (Ahlb.) Kurtzman, M.J. Smiley, Robnett & Wicklow KMM 4089 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Ulva fenestrata* at a depth of 0,5m

47 *Aspergillus gracilis* Bainier KMM 4083 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 16m

48 *Aspergillus gracilis* Bainier KMM 4084 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

49 *Aspergillus gracilis* Bainier KMM 4256 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

50 *Aspergillus gracilis* Bainier KMM 4085 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 15m

51 *Aspergillus gracilis* Bainier KMM 4086 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 75m

52 *Aspergillus gracilis* Bainier KMM 4087 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Ulva lactuca* at a depth of 0,01m

53 *Aspergillus halophilicus* M. Chr., Papav. & C.R. Benj. KMM 4088 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

54 *Aspergillus medius* R. Meissn. KMM 4176 The Sea of Japan, the Trinity bay Ex: alga *Ulva fenestrata* Stackhouse, at a depth of 0,5m

55 *Aspergillus melleus* Yukawa KMM 4126 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

56 *Aspergillus melleus* Yukawa KMM 4371 The Sea of Japan, the Trinity bay Ex: alga *Coccotylus orientalis* Stackhouse, at a depth of 9m

57 *Aspergillus nidulans* (Eidam) G. Winter KMM 4249 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

58 *Aspergillus penicilloides* Speg. KMM 4230 The Sea of Japan, the Trinity bay Ex: alga *Coccotylus orientalis* Stackhouse, at a depth of 9m

59 *Aspergillus repens* (Corda) Sacc. KMM 4091 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

60 *Aspergillus restric*tus G. Sm. KMM 4129 The Sea of Japan, the Trinity bay, Ex: bottom sediments of estuary a depth of 5m

61 *Aspergillus restric*tus G. Sm. KMM 4229 The Sea of Japan, the Trinity bay, Ex: bottom sediments of estuary a depth of 0,9m

62 *Aspergillus* sp. KMM 4363 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Ulva lactuca* at a depth of 0,01m

63 *Aspergillus* sp. KMM 4364 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Enteromorpha liuza* at a depth of 0,01m

64 *Aspergillus sydowii* (Bainier & Sartory) Thom & Church KMM 4092 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

65 *Aspergillus ustus* (Bainier) Thom & Church KMM 4124 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

66 *Aspergillus varians* Wehmer KMM 4259 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

67 *Aspergillus varians* Wehmer KMM 4223 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 75m

68 *Aspergillus versicolor* (Vuill.) Tirab. KMM 4090 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 16m

69 *Aspergillus versicolor* (Vuill.) Tirab. KMM 4120 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

70 *Aspergillus versicolor* (Vuill.) Tirab. KMM 4121 The Sea of Japan, the Trinity bay, Ex: sea foam

71 *Aspergillus versicolor* (Vuill.) Tirab. KMM 4122 The Sea of Japan, the Trinity bay, Ex: algae *Chondrus* sp. at a depth of 3,5m

72 *Aspergillus versicolor* (Vuill.) Tirab. KMM 4252 The Sea of Japan, the Trinity bay, Ex: algae *Coccotylus orientalis* at a depth of 9m

73 *Aspergillus versicolor* (Vuill.) Tirab. KMM 4254 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

74 *Aspergillus versicolor* (Vuill.) Tirab. KMM 4220 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 75m

75 *Asteromyces cruciatus* Moreau & M. Moreau ex Hennebert KMM 4151 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 9m

76 *Asteromyces cruciatus* Moreau & M. Moreau ex Hennebert KMM 4152 The Sea of Japan, the Trinity bay, Ex: bottom sediments of estuary a depth of 0,9m

77 *Asteromyces cruciatus* Moreau & M. Moreau ex Hennebert KMM 4153 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 16m

78 *Asteromyces cruciatus* Moreau & M. Moreau ex Hennebert KMM 4292 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

79 *Asteromyces cruciatus* Moreau & M. Moreau ex Hennebert KMM 4294 The Sea of Japan, the Trinity bay, Ex: sea foam.

80 *Asteromyces cruciatus* Moreau & M. Moreau ex Hennebert KMM 4291 The Sea of Japan, the Ussuri bay, Ex: sea foam.

81 *Asteromyces cruciatus* Moreau & M. Moreau ex Hennebert KMM 4293 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Enteromorpha liuza* at a depth of 0,01m

82 *Asteromyces cruciatus* Moreau & M. Moreau ex Hennebert KMM 4295 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

83 *Asteromyces cruciatus* Moreau & M. Moreau ex Hennebert KMM 4296 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

84 *Asteromyces cruciatus* Moreau & M. Moreau ex Hennebert KMM 4297 The Sea of Japan, the Ussuri bay, Ex: sea foam.

85 *Asteromyces cruciatus* Moreau & M. Moreau ex Hennebert KMM 4298 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 75m

86 *Asteromyces cruciatus* Moreau & M. Moreau ex Hennebert KMM 4299 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,05m

87 *Asteromyces cruciatus* Moreau & M. Moreau ex Hennebert KMM 4399 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,02m

88 *Botryophialophora marina* Linder KMM 4199 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

89 *Botrytis cinerea* Pers. KMM 4350 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 9m

90 *Botrytis cinerea* Pers. KMM 4351 The Sea of Japan, the Trinity bay Ex: brown alga, at a depth of 3,5m

91 *Candida* sp. KMM 4359 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,05m

92 *Cephalotrichum stemonitis* (Pers.) Nees KMM 4169 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

93 *Ceriosporopsis circumvestita* (Kohlm.) Kohlm. KMM 4175 The Sea of Japan, the Trinity bay, Ex: sea foam.

94 *Cladosporium algarum* Cooke & Massee KMM 4034 The Sea of Japan, the Trinity bay Ex: alga *Chondrus crispus* Stackhouse, at a depth of 3,5m

95 *Cladosporium algarum* Cooke et Massee KMM 4032 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

96 *Cladosporium algarum* Cooke et Massee KMM 4033 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

97 *Cladosporium algarum* Cooke et Massee KMM 4034 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 3m

98 *Cladosporium atroseptum* Pidopl. KMM 4048 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

99 *Cladosporium atroseptum* Pidopl. KMM 4051 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 2m

100 *Cladosporium atroseptum* Pidopl. KMM 4052 The Sea of Japan, the Trinity bay, Ex: sea foam.

101 *Cladosporium atroseptum* Pidopl. KMM 4054 The Sea of Japan, the Trinity bay, Ex: algae Chondrus sp. at a depth of 3,5m

102 *Cladosporium atroseptum* Pidopl. *et* Deniak KMM 4049 The Sea of Japan, the Trinity bay, keratinophyllic, Ex: bottom sediments at a depth of 0,5m

103 *Cladosporium atroseptum* Pidopl. et Deniak KMM 4050 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

104 *Cladosporium atroseptum* Pidopl. *et* Deniak KMM 4053 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

105 *Cladosporium brevicompactum* Pidopl. & Deniak KMM 4373 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Bryopsis plumosa* at a depth of 0,5m

106 *Cladosporium brevicompactum* Pidopl. & Deniak KMM 4054 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

107 *Cladosporium brevicompactum* Pidopl. *et* Deniak KMM 4055 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

108 *Cladosporium brevicompactum* Pidopl. *et* Deniak KMM 4056 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 0,5m

109 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4037 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Ulva linza* at a depth of 0,05m

110 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4376 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Ulva linza* at a depth of 0,2m

111 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4377 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Petalonia fascia* at a depth of 0,2m

112 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4035 The Sea of Japan, the Trinity bay, Ex: sea foam.

113 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4036 The Sea of Japan, the Trinity bay, Ex: sea foam.

114 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4038 The Sea of Japan, the Trinity bay, Ex: sea foam.

115 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4039 The Sea of Japan, the Trinity bay, Ex: sea foam.

116 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4040 The Sea of Japan, the Trinity bay, Ex: alga *Ulva fanestrata* at a depth of 1m

117 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4041 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 0,5m

118 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4042 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

119 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4043 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 3м

120 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4044 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 0,5m

121 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4045 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

122 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4046 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 7,5m

123 Cladosporium cladosporioides (Fresen.) G.A. de Vries KMM 4046 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 7,5m

124 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4047 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 0,5m

125 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4205 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 75m

126 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4376 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,05m

127 *Cladosporium cladosporioides* (Fresen.) G.A. de Vries KMM 4377 The Sea of Japan, the Trinity bay Ex: alga *Petalonia fascia*, at a depth of 0,15m

128 *Cladosporium oxysporum* Berk. & M.A. Curtis KMM 4211 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 16m

129 *Cladosporium oxysporum* Berk. & M.A. Curtis KMM 4212 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 5m

130 *Cladosporium oxysporum* Berk. & M.A. Curtis KMM 4380 The Sea of Japan, the Trinity bay, Ex: alga *Coccotylus orientalis* at a depth of 9m

131 *Cladosporium oxysporum* Berk. & M.A. Curtis KMM 4381 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Bryopsis plumosa* at a depth of 0,5m

132 *Cladosporium oxysporum* Berk. & M.A. Curtis KMM 4386 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,05m

133 *Cladosporium oxysporum* Berk. & M.A. Curtis KMM 4392 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Bryopsis plumosa* at a depth of 0,5m

134 *Cladosporium oxysporum* Berk. & M.A. Curtis KMM 4057 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

135 *Cladosporium oxysporum* Berk. & M.A. Curtis KMM 4058 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 0,5m

136 *Cladosporium oxysporum* Berk. & M.A. Curtis KMM 4210 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 75m

137 *Cladosporium oxysporum* Berk. & M.A. Curtis KMM 4213 The Sea of Japan, the Peter the Great Gulf, Ex: bottom sediments at a depth of 35m

138 *Cladosporium oxysporum* Berk. & M.A. Curtis KMM 4391 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Ulva lactuca* at a depth of 0,01m

139 *Cladosporium oxysporum* Berk. & M.A. Curtis KMM 4394 The Sea of Japan, the Trinity bay Ex: alga *Petalonia fascia*, at a depth of 0,15m

140 *Cladosporium oxysporum* Berk. & M.A. Curtis KMM 4395 The Sea of Japan, the Trinity bay Ex: alga *Bryopsis plumosa*, at a depth of 0,05m

141 *Cladosporium* sp. KMM 4243 The Sea of Japan, the Trinity bay, Ex: sea foam.

142 *Cladosporium* sp. KMM 4393 The Sea of Japan, the Trinity bay Ex: alga *Bryopsis plumosa*, at a depth of 0,05m

143 *Cladosporium* sp. KMM 4396 The Sea of Japan, the Trinity bay Ex: alga *Bryopsis plumosa*, at a depth of 0,05m

144 *Cladosporium* sp. KMM 4398 The Sea of Japan, the Trinity bay Ex: alga *Bryopsis plumosa*, at a depth of 0,15m

145 *Cladosporium sphaerospermum* Penz. KMM 4059 The Sea of Japan, the Trinity bay, Ex: alga *Chondrus* sp. at a depth of 3,5m

146 *Cladosporium sphaerospermum* Penz. KMM 4060 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Ulva linza* at a depth of 0,01m

147 *Cladosporium sphaerospermum* Penz. KMM 4061 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,05m

148 *Cladosporium sphaerospermum* Penz. KMM 4061 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga Neorhodomela larix at a depth of 0,05m

149 *Cladosporium sphaerospermum* Penz. KMM 4059 The Sea of Japan, the Amur bay, Ex: alga *Iridaea cornucopiae* subsp. *japonica* at a depth of 0,05m

150 *Cladosporium sphaerospermum* Penz. KMM 4060 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Enteromorpha liuza* at a depth of 0,01m

151 *Cladosporium sphaerospermum* Penz. KMM 4061 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,05m

152 *Cladosporium sphaerospermum* Penz. KMM 4062 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 0,5m

153 *Cladosporium sphaerospermum* Penz. KMM 4206 The Sea of Japan, the Peter the Great Gulf, Ex: sea

154 *Cladosporium sphaerospermum* Penz. KMM 4207 The Sea of Japan, the Trinity bay Ex: alga *Enteromorpha liuza* at a depth of 0,5m

155 *Cladosporium sphaerospermum* Penz. KMM 4208 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

156 *Cladosporium sphaerospermum* Penz. KMM 4209 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,02m

157 *Cladosporium sphaerospermum* Penz. KMM 4215 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 15m

158 *Cladosporium sphaerospermum* Penz. KMM 4372 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Enteromorpha liuza* at a depth of 0,01m

159 *Cladosporium sphaerospermum* Penz. KMM 4374 The Sea of Japan, the Trinity bay, Ex: alga *Ulva lactuca* at a depth of 0,03m

160 *Cladosporium sphaerospermum* Penz. KMM 4375 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Ulva lactuca* at a depth of 0,01m

161 *Cladosporium sphaerospermum* Penz. KMM 4378 The Sea of Japan, the Amur bay, Ex: alga *Ceramium kondoi* at a depth of 2m

162 *Cladosporium sphaerospermum* Penz. KMM 4379 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Ulva linza* at a depth of 0,01m

163 *Epicoccum nigrum* Link KMM 4336 The Sea of Japan, the Trinity bay Ex: alga *Petalonia fascia*, at a depth of 0,15m

164 *Epicoccum nigrum* Link KMM 4345 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,05m

165 *Fusarium oxysporum* Schltdl. KMM 4185 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

166 *Fusarium* sp. KMM 4165 The Sea of Japan, the Amur bay, Ex: alga *Iridaea cornucopiae* subsp. *japonica* at a depth of 0,05m

167 *Fusarium* sp. KMM 4166 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

168 *Fusarium* sp. KMM 4167 The Sea of Japan, the Amur bay, Ex: alga *Ulva fenestrata* at a depth of 0,5m

169 *Fusarium* sp. KMM 4353 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,05m

170 *Fusarium sporotrichioides* Sherb. KMM 4182 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

171 *Fusarium sporotrichioides* Sherb. KMM 4183 The Sea of Japan, the Amur bay, Ex: alga *Ulva fenestrata* at a depth of 0,5m

172 *Geomyces pannorum* (Link) Sigler & J.W. Carmich. KMM 4200 The Sea of Japan, the Amur bay, Ex: alga *Iridaea cornucopiae* subsp. *japonica* at a depth of 0,05m

173 *Geotrichum candidum* Link KMM 4201 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

174 *Gliomastix luzulae* (Fuckel) E.W. Mason ex S. Hughes KMM 4154 The Sea of Japan, the Trinity bay, keratinophyllic, Ex: bird's flag from bottom sediments at a depth of 0,5m

175 *Gliomastix murorum* var. *murorum* (Corda) S. Hughes KMM 4148 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 16m

176 *Gliomastix murorum* var. *murorum* (Corda) S. Hughes KMM 4149 The Sea of Japan, the Trinity bay, keratinophyllic, Ex: bird's flag from bottom sediments at a depth of 1,5m

177 *Gliomastix murorum* var. *murorum* (Corda) S. Hughes KMM 4150 The Sea of Japan, the Ussuriysky bay, Ex: sea foam.

178 *Gliomastix musicola* (Speg.) C.H. Dickinson KMM 4164 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 16m

179 *Gliomastix musicola* (Speg.) C.H. Dickinson KMM 4163 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 9m

180 *Haematonectria haematococca* (Berk. & Broome) Samuels & Rossman KMM 4184 The Sea of Japan, the Trinity bay, Ex: sea foam.

181 *H1alenospora varia* (Anastasiou) E.B.G. Jones KMM 4173 The Sea of Japan, the Trinity bay, Ex: sea foam.

182 *Halenospora varia* (Anastasiou) E.B.G. Jones KMM 4173 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

183 *Humicola grisea* Traaen KMM 4387 The Sea of Japan, the Amur bay, Ex: alga *Iridaea cornucopiae* subsp. *japonica* at a depth of 0,05m

184 *Myrothecium roridum* Tode KMM 4179 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 9m

185 *Myrothecium roridum* Tode KMM 4180 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

186 *Myrothecium roridum* Tode KMM 4181 The Sea of Japan, the Peter the Great bay, Ex: bottom sediments at a depth of 309m

187 *Paecilomyces* sp. KMM 4194 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

188 *Penicillium aurantiogriseum* Dierckx KMM 4221 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

189 *Penicillium aurantiogriseum* Dierckx KMM 4227 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,05m

190 *Penicillium aurantiogriseum* Dierckx KMM 4233 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

191 *Penicillium aurantiogriseum* Dierckx KMM 4235 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,02m

192 *Penicillium brevicompactum* Dierckx KMM 4108 The Sea of Japan, the Amur bay, Ex: alga *Ulva fenestrata* at a depth of 0,5m

193 *Penicillium brevicompactum* Dierckx KMM 4109 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 75m

194 *Penicillium brevicompactum* Dierckx KMM 4219 The Sea of Japan, the Amur bay, Ex: alga *Ulva fenestrata* at a depth of 0,5m

195 *Penicillium chrysogenum* Thom KMM 4131 The Sea of Japan, the Trinity bay, bottom sediments at a depth of 8m

196 *Penicillium chrysogenum* Thom KMM 4132 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 15m

197 *Penicillium chrysogenum* Thom KMM 4234 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 9m

198 *Penicillium chrysogenum* Thom KMM 4250 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

199 *Penicillium echinulatum* Raper & Thom ex Fassat. KMM 4228 The Sea of Japan, the Amur bay, Ex: alga *Ulva linza* at a depth of 0,1m

200 *Penicillium glabrum* (Wehmer) Westling KMM 4102 The Sea of Japan, the Trinity bay, bottom sediments at a depth of 7m

201 *Penicillium glabrum* (Wehmer) Westling KMM 4103 The Sea of Japan, the Amur bay, Ex: alga *Ulva fenestrata* at a depth of 0,5m

202 *Penicillium glabrum* (Wehmer) Westling KMM 4104 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

203 *Penicillium glabrum* (Wehmer) Westling KMM 4105 The Sea of Japan, the Trinity bay, bottom sediments at a depth of 8m

204 *Penicillium glabrum* (Wehmer) Westling KMM 4236 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 0,5m

205 *Penicillium glabrum* (Wehmer) Westling KMM 4237 The Sea of Japan, the Amur bay, Ex: alga *Ulva fenestrata* at a depth of 0,5m

206 *Penicillium glabrum* (Wehmer) Westling KMM 4239 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

207 *Penicillium griseofulvum* Dierckx KMM 4245 The Sea of Japan, the Amur bay, Ex: alga *Ulva linza* at a depth of 0,1m

208 *Penicillium herquei* Bainier & Sartory KMM 4094 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 15m

209 *Penicillium herquei* Bainier & Sartory KMM 4101 The Sea of Japan, the Amur bay, Ex: alga *Ulva fenestrata* at a depth of 0,5m

210 *Penicillium lanosum* Westling KMM 4238 The Sea of Japan, the Amur bay, Ex: alga *Ulva fenestrata* at a depth of 0,5m

211 *Penicillium lividum* Westling KMM 4224 The Sea of Japan, the Amur bay, Ex: alga *Iridaea cornucopiae* subsp. *japonica* at a depth of 0,05m

212 *Penicillium roqueforti* Thom KMM 4130 The Sea of Japan, the Amur bay, Ex: alga *Ulva fenestrata* at a depth of 0,5m

213 *Penicillium simplicissimum* (Oudem.) Thom KMM 4123 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

214 *Penicillium solitum* var. *crustosum* (Thom) Bridge, D. Hawksw., Kozak., Onions, R.R.M. Paterson & Sackin KMM 4253 The Sea of Japan, the Amur bay, Ex: alga *Ulva fenestrata* at a depth of 0,5m

215 *Penicillium* sp. KMM 4244 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

216 *Penicillium* sp. KMM 4361 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,05m

217 *Penicillium* sp. KMM 4362 The Sea of Japan, the Amur bay, Ex: alga *Iridaea cornucopiae* subsp. *japonica* at a depth of 0,05m

218 *Penicillium* sp. KMM 4365 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,02m

219 *Penicillium* sp. KMM 4366 The Sea of Japan, the Trinity bay Ex: alga *Bryopsis plumosa*, at a depth of 0,05m

220 *Penicillium* sp. KMM 4367 The Sea of Japan, the Trinity bay Ex: alga *Petalonia fascia*, at a depth of 0,15m

221 *Penicillium* sp. KMM 4368 The Sea of Japan, the Trinity bay Ex: alga *Bryopsis plumosa*, at a depth of 0,05m

222 *Penicillium* sp. KMM 4370 The Sea of Japan, the Amur bay, Ex: alga *Ceramium kondoi* at a depth of 2m

223 *Penicillium thomii* Maire KMM 4093 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 15m

224 *Penicillium velutinum* J.F.H. Beyma KMM 4369 The Sea of Japan, the Amur bay, Ex: alga *Polysiphonia morrowii* at a depth of 0,1m

225 *Penicillium vulpinum* (Cooke & Massee) Seifert & Samson KMM 4106 The Sea of Japan, the Amur bay, Ex: alga *Ulva fenestrata* at a depth of 0,5m

226 *Penicillium vulpinum* (Cooke & Massee) Seifert & Samson KMM 4107 The Sea of Japan, the Amur bay, Ex: alga *Ulva fenestrata* at a depth of 0,5m

227 *Penicillium vulpinum* (Cooke & Massee) Seifert & Samson KMM 4231 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

228 *Pestalotiopsis* sp. KMM 4178 The Sea of Japan, the Amur bay, Ex: alga *Chondrus* sp. at a depth of 3,5m

229 *Phialophorophoma litoralis* Linder KMM 4382 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Ulva lactuca* at a depth of 0,01m

230 *Phialophorophoma litoralis* Linder KMM 4388 The Sea of Japan, the Trinity bay, Ex: alga *Ulva lactuca* at a depth of 0,05m

231 *Phoma* sp. KMM 4197 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

232 *Phoma* sp. KMM 4198 The Sea of Japan, the Amur bay, Ex: alga *Polysiphonia morrowii* at a depth of 0,1m

233 *Rhabdospora* sp. KMM 4195 The Sea of Japan, the Trinity bay Ex: alga *Petalonia fascia*, at a depth of 0,15m

234 *Rhabdospora* sp. KMM 4196 The Sea of Japan, the Amur bay, Ex: alga *Iridaea cornucopiae* subsp. *japonica* at a depth of 0,05m

235 *Sagenomella diversispora* (J.F.H. Beyma) W. Gams KMM 4141 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 9m

236 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4001 The Sea of Japan, the Trinity bay, Ex: sea foam.

237 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4009 The Sea of Japan, the Ussuri bay, Ex: sea foam.

238 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4010 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

239 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4016 The Sea of Japan, the Trinity bay, Ex: bottom sediments of estuary at a depth of 0,9m

240 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4017 The Sea of Japan, the Trinity bay, Ex: alga *Coccotylus orientalis* at a depth of 9m

241 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4002 The Sea of Japan, the Trinity bay, Ex: sea foam.

242 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4003 The Sea of Japan, the Trinity bay, Ex: sea foam.

243 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4004 The Sea of Japan, the Trinity bay, Ex: sea foam.

244 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4005 The Sea of Japan, the Trinity bay, Ex: sea foam.

245 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4006 The Sea of Japan, the Trinity bay, Ex: sea foam.

246 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4007 The Sea of Japan, the Trinity bay, Ex: sea foam.

247 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4008 The Sea of Japan, the Trinity bay, Ex: sea foam.

248 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4011 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 0,5m

249 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4012 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

250 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4013 The Sea of Japan, the Trinity bay, Ex: seawater at a depth of 0-13m

251 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4014 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 3,5m

252 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4015 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 2m

253 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4018 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1m

254 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4019 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

255 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4020 The Sea of Japan, the Trinity bay, bottom sediments at a depth of 8m

256 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4021 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1m

257 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4022 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

258 *Scolecobasidium arenarium* (Nicot) M.B. Ellis KMM 4023 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

259 *Scolecobasidium salinum* (G.K. Sutherl.) M.B. Ellis KMM 4024 The Sea of Japan, the Trinity bay, Ex: sea foam.

260 *Scolecobasidium salinum* (G.K. Sutherl.) M.B. Ellis KMM 4029 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

261 *Scolecobasidium salinum* (G.K. Sutherl.) M.B. Ellis KMM 4030 The Sea of Japan, the Trinity bay, Ex: alga *Chondrus* sp. at a depth of 3,5m

262 *Scolecobasidium salinum* (G.K. Sutherl.) M.B. Ellis KMM 4025 The Sea of Japan, the Trinity bay, Ex: sea foam

263 *Scolecobasidium salinum* (G.K. Sutherl.) M.B. Ellis KMM 4026 The Sea of Japan, the Trinity bay, Ex: sea foam

264 *Scolecobasidium salinum* (G.K. Sutherl.) M.B. Ellis KMM 4027 The Sea of Japan, the Trinity bay, Ex: sea foam

265 *Scolecobasidium salinum* (G.K. Sutherl.) M.B. Ellis KMM 4028 The Sea of Japan, the Trinity bay, Ex: sea foam

266 *Scolecobasidium salinum* (G.K. Sutherl.) M.B. Ellis KMM 4202 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 15m

267 *Scolecobasidium salinum* (G.K. Sutherl.) M.B. Ellis KMM 4203 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

268 *Scolecobasidium salinum* (G.K. Sutherl.) M.B. Ellis KMM 4204 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 75m

269 *Scopulariopsis brumptii* Salv.-Duval KMM 4168 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

270 *Sporotrichum* sp. KMM 4172 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

271 *Talaromyces duclauxii* (Delacr.) Samson, Yilmaz, Frisvad & Seifert KMM 4226 The Sea of Japan, the Amur bay, Ex: alga *Iridaea cornucopiae* subsp. *japonica* at a depth of 0,05m

272 *Talaromyces duclauxii* (Delacr.) Samson, Yilmaz, Frisvad & Seifert KMM 4242 The Sea of Japan, the Amur bay, Ex: alga *Chondrus* sp. at a depth of 3,5m

273 *Talaromyces duclauxii* (Delacr.) Samson, Yilmaz, Frisvad & Seifert KMM 4255 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

274 *Trichoderma aureoviride* Rifai KMM 4069 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 9m

275 *Trichoderma aureoviride* Rifai KMM 4070 The Sea of Japan, the Amur bay, Ex: alga *Iridaea cornucopiae* subsp. *japonica* at a depth of 0,05m

276 *Trichoderma aureoviride* Rifai KMM 4071 The Sea of Japan, the Amur bay, Ex: alga *Chondrus* sp. at a depth of 3,5m

277 *Trichoderma aureoviride* Rifai KMM 4072 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

278 *Trichoderma harzianum* Rifai KMM 4141 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 9m

279 *Trichoderma harzianum* Rifai KMM 4063 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5м

280 *Trichoderma parceramosum* Bissett KMM 4064 The Sea of Japan, the Trinity bay, Ex: alga *Chondrus sp.*, at a depth of 3,5m

281 *Trichoderma parceramosum* Bissett KMM 4065 The Sea of Japan, the Trinity bay, Ex: alga *Chondrus sp.*, at a depth of 9,5m

282 *Trichoderma parceramosum* Bissett KMM 4066 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m

283 *Trichoderma parceramosum* Bissett KMM 4067 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 13m

284 *Trichoderma parceramosum* Bissett KMM 4068 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1m

285 *Trichoderma parceramosum* Bissett KMM 4069 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 0,5m

286 *Trichoderma* sp. KMM 4310 The Sea of Japan, the Amur bay, Ex: alga *Iridaea cornucopiae* subsp. *japonica* at a depth of 0,05m

287 *Trichoderma* sp. KMM 4360 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Ulva lactuca* at a depth of 0,01m

288 *Trichoderma viride* Pers. KMM 4222 The Sea of Japan, the Amur bay, Ex: alga *Polysiphonia morrowii* at a depth of 0,1m

289 *Trichoderma viride* Pers. KMM 4232 The Sea of Japan, the Amur bay, Ex: alga *Iridaea cornucopiae* subsp. *japonica* at a depth of 0,05m

290 *Trichothecium roseum* (Pers.) Link KMM 4191 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 9m

291 *Trichothecium roseum* (Pers.) Link KMM 4192 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 3m

292 *Trichothecium roseum* (Pers.) Link KMM 4193 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Ulva lactuca* at a depth of 0,01m

293 *Tubercularia* sp. KMM 4347 The Sea of Japan, the Amur bay, Fedorov's bay Ex: alga *Neorhodomela larix* at a depth of 0,05m

294 *Wallemia sebi* (Fr.) Arx KMM 4073 The Sea of Japan, the Trinity bay Ex: alga *Petalonia fascia*, at a depth of 0,15m

295 *Wallemia sebi* (Fr.) Arx KMM 4074 The Sea of Japan, the Amur bay, Ex: alga *Iridaea cornucopiae* subsp. *japonica* at a depth of 0,05m

296 *Wallemia sebi* (Fr.) Arx KMM 4075 The Sea of Japan, the Amur bay, Ex: alga *Chondrus* sp. at a depth of 3,5m

297 *Wallemia sebi* (Fr.) Arx KMM 4076 The Sea of Japan, the Amur bay, Ex: alga *Iridaea cornucopiae* subsp. *japonica* at a depth of 0,05m

298 *Wallemia sebi* (Fr.) Arx KMM 4077 The Sea of Japan, the Amur bay, Ex: alga *Chondrus* sp. at a depth of 7,5m

299 *Wallemia sebi* (Fr.) Arx KMM 4078 The Sea of Japan, the Trinity bay, bottom sediments at a depth of 6m

301 *Wallemia sebi* (Fr.) Arx KMM 4079 The Sea of Japan, the Amur bay, Ex: alga *Ulva fenestrata* at a depth of 0,5m

302 *Wallemia sebi* (Fr.) Arx KMM 4080 The Sea of Japan, the Trinity bay, bottom sediments at a depth of 8m

303 *Wallemia sebi* (Fr.) Arx KMM 4081 The Sea of Japan, the Peter the Great Gulf, Ex: marine water at a depth of 15m

304 *Wallemia sebi* (Fr.) Arx KMM 4082 The Sea of Japan, the Trinity bay, bottom sediments at a depth of 7m

305 *Wardomyces anomalus* F.T. Brooks & Hansf. KMM 4170 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 1,5m

306 *Wardomyces anomalus* F.T. Brooks & Hansf. KMM 4171 The Sea of Japan, the Trinity bay, Ex: bottom sediments at a depth of 6m