

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

Curator Prof. Dr. Valery Mikhailov mikhailov@piboc.dvo.ru

CONTENT

Prokaryota	2
Domain <i>Bacteria</i>	2
Phylum <i>Actinobacteria</i>	2
Phylum <i>Bacteroidetes</i>	24
Classis <i>Cytophagia</i>	24
Classis <i>Flavobacteriia</i>	26
Classis <i>Sphingobacteriia</i>	44
Phylum <i>Firmicutes</i>	45
Classis <i>Bacilli</i>	45
Phylum <i>Proteobacteria</i>	59
Classis <i>Alphaproteobacteria</i>	59
Classis <i>Gammaproteobacteria</i>	63
Phylum <i>Verrucomicrobia</i>	91
Classis <i>Verrucomicrobiae</i>	91
Eukaryota	92
Regnum Fungi (Mycota)	92
Filamentous fungi	92

Prokaryota

Domain *Bacteria*

Phylum *Actinobacteria*

***Agrococcus* sp.**

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

Arthrobacter agilis

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

***Arthrobacter* sp.**

KMM 1372 = Pi 44 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, 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 °C, 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 °C, aerobic

***Arthrobacter* sp.**

KMM 8028 = Z 323 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 °C, 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, 20-25°C, 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, 20-25°C, 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 143° 39' 469 N; 52° 03' 064 E, a depth of 48 m / Medium 1, 28 °C, 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 °C, 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 °C, 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 °C, 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 °C, aerobic. **Reference:** M&E (2008), 23, 209-214, Romanenko LA et al.

***Microbacterium* sp.**

KMM 1417 = Pi2-61 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, 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 unidentified 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 °C, aerobic.

***Micrococcus* sp.**

KMM 9125 = Pi3-25 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, 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 °C, aerobic.

***Nocardioides* sp.**

KMM 1449 = Pi2-60 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, 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, 25°C.

***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 °C, aerobic.

***Promicromonospora* sp.**

KMM 9196 = Sa4-19 / Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic.

Saccharothrix espanaensis

KMM 3885 = An 113 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 °C, 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*, Troitsa Bay, Sea of Japan, Russia / Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 3053 = 14-109-10 /Sponge *Axinella blanca*, the Bering Sea/ Medium 1, 30 °C, 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, 25°C, aerobic.

***Streptomyces* sp.**

KMM 9044 = D15 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 9045 = D16 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 9046 = D17 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 9047 = D18 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 9048 = D19 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

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

***Streptomyces* sp.**

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

***Streptomyces* sp.**

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

***Streptomyces* sp.**

KMM 9083 = PA8/1 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 9163 = Pi3-65 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 9164 = Pi3-66 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 9293 = Sa27-15/2 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 9294 = Sa27-16 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 9299 = Sa29-5 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 9322 = Sa31-17 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 9336 = Sa31-31 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 9372 = SI32 /Bottom sediments, the Sea of Japan / Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 9408 = Sl68 /Bottom sediments, the Sea of Japan/ Medium 1, 28 °C, aerobic.

***Streptomyces* sp.**

KMM 9409 = Sl69 /Bottom sediments, the the Sea of Japan / Medium 1, 28 °C, aerobic.

Unidentified strains of actinobacteria

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

KMM 7095= 27-9g2 / bottom sediment, Sea of Okhotsk, 57 m, 2001, Russia/Medium 1 or 3, 25°C, aerobic

KMM 7096 =27-9g3 / bottom sediment, Sea of Okhotsk, 57 m, 2001, Russia/Medium 1 or 3, 25°C, aerobic

KMM 7097 = 27-9g5 /bottom sediment, Sea of Okhotsk, 57 m, 2001, Russia/Medium 1 or 3, 25°C, aerobic.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

KMM 7144 =27-27-2/3 /*Ophiuroidea Gorgonocephalus* sp., Aniva Bay, Sea of Okhotsk, 58 m, 2001, Russia / Medium 1 or 3, 25°C, aerobic

KMM 7145 = 27-28-1/1 /sponge *Homaxinella subdola* , Aniva Bay, Sea of Okhotsk, 73m, 2001, Russia / Medium 1 or 3, 25°C, aerobic.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

KMM 7706 = 9A10-12 /sandy beach Amursky bay, Sea of Japan, 2010, Russia/ Medium 1 or 3, 25°C, 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 3957^T = 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 °C, aerobic.

***Algoriphagus* sp.**

KMM 8018 = Z 10 / Sea grass *Zostera marina*, Troitsa Bay, Sea of Japan, Russia / Medium 1, 28 °C, aerobic.

***Algoriphagus* sp.**

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

Fulvirirga 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.

Bizonia 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.

Bizonia 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.

Bizonia 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.

Bizonia 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.

Bizonia 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.

Bizonia 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.

Bizonia 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.

***Bizonia* sp.**

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

***Bizonia* sp.**

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

***Bizonia* sp.**

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

***Bizonia* 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, Troitsa 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, 23°C, 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, 28-30°C, aerobic

***Formosa* sp.**

KMM 8022 = MF 2-6 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30°C, 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 °C, 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 °C, 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 °C, 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 ophiuræ* (Romanenko *et al.*, 2007)**

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

***Mesonialgae* 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.

***Mesonialgae* 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.

Mesonía 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.

Mesonía 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 3524^T = 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, 20-25°C, 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 °C, 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 °C, 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, 23°C, 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 °C, aerobic.

***Sphingobacterium* sp.**

KMM 3857 = An 28 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 °C, 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, 25-28°C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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, 4° 12' 1N, 73° 30' 3 E, 10 m/ Medium 1, 30 °C, aerobic

***Bacillus* sp.**

KMM 245 = 219 / Sea water, a depth of 30 m, Pacific Ocean, 12°00' N; 132°00' W/ Medium 1, 28 °C, aerobic

***Bacillus* sp.**

KMM 257 = 381 / Sea water, a depth of 800 m, Pacific Ocean, 9°40' N; 131°40' W/ Medium 1, 28 °C, aerobic

***Bacillus* sp.**

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

***Bacillus* sp.**

KMM 264 = 474 /Sea water, a depth of 300 m, Pacific Ocean, 12°41' N; 132°38' W/ Medium 1, 30 °C, aerobic.

***Bacillus* sp.**

KMM 265 = 501 / Sea water, a depth of 30 m, Pacific Ocean, 12°40' N; 131°20' W/ Medium 1, 30 °C, aerobic.

***Bacillus* sp.**

KMM 267 = 6-273-1 /Ascidian *Clarelina molucensis*, Indian Ocean / Medium 1, 30 °C, aer

***Bacillus* sp.**

KMM 275 = 10-70-5 /Ascidian, Maldives/ Medium 1, 30 °C, aerobic

***Bacillus* sp.**

KMM 276 = 10-1AS-10 /Ascidian, Maldives, 4° 12' 1N, 73° 30' 3 E, 1 m depth/ Medium 1, 30 °C, aerobic

***Bacillus* sp.**

KMM 1385 = 1 /Sea water, surface layer, Pacific Ocean, 15°00' N; 133°00' W/ Medium 1, 28 °C, aerobic.

***Bacillus* sp.**

KMM 8 = 64 /Sea water, 5000 m depth, Pacific Ocean, 13°00' N; 133°00' W/ Medium 1, 28 °C, aerobic.

***Bacillus* sp.**

KMM 1387 = 539 /Sea water, surface layer, Pacific Ocean, 9°20' N; 131°20' W/ Medium 1, 28 °C, aerobic.

***Bacillus* sp.**

KMM 1392 = 473 /Sea water, 200 m depth, Pacific Ocean, 12°41' N; 132°38' W/ Medium 1, 28 °C, aerobic.

***Bacillus* sp.**

KMM 1393 = 643 /Sea water, 4000 m depth, Pacific Ocean, 10°40' N; 134°40' W/ Medium 1, 28 °C, aerobic.

***Bacillus* sp.**

KMM 1405 = 63 /Sea water, 3000 m depth, Pacific Ocean, 13°00' N; 133°00' W/ Medium 1, 28 °C, aerobic.

***Bacillus* sp.**

KMM 1403 = 6-267-1 / Ascidian *Pseudodistoma australis*, 33°42' S; 134°37' E/ Medium 1, 28 °C, aerobic.

***Bacillus* sp.**

KMM 1404 = 6-267-3/ Ascidian *Pseudodistoma australis*, 33°42' S; 134°37' E/ Medium 1, 28 °C, 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 °C, 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 °C, aerobic.

***Bacillus* sp.**

KMM 1435 = 462 /Sea water, 30 m depth, Pacific Ocean, 12°41' N; 132°38' W/ Medium 1, 28 °C, aerobic.

***Bacillus* sp.**

KMM 1515 = 14-P1-5 /Fish skin, the Bering Sea/ Medium 1, 28 °C, aerobic

***Bacillus* sp.**

KMM 1516 = 14-P1-6 /Fish skin, the Bering Sea/ Medium 1, 30 °C, aerobic.

***Bacillus* sp.**

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

***Bacillus* sp.**

KMM 1394 = 6-3B-13 /Sea water, Maldives/ Medium 1, 30 °C, aerobic

***Bacillus* sp.**

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

***Bacillus* sp.**

KMM 273 = 10-100-3 / Seaweed, Maldives/ Medium 1, 30 °C, aerobic .

***Bacillus* sp.**

KMM 274 = 10-100-5 / Seaweed, Maldives/ Medium 1, 30 °C, aerobic.

***Bacillus* sp.**

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

***Bacillus* sp.**

KMM 653 = 10-2MB-7 /Sea water, Maldives/ Medium 1, 30 °C, aerobic.

Bacillus sp.

KMM 1431 = 4-285-3 /Ascidian, 28° 47' 6 S, 114° 00' 7 E, a depth of 4 m/ Medium 1, 30 °C, aerobic.

Bacillus sp.

KMM 3013 = 14-95-3 /Sponge, the Bering Sea/ Medium 1, 30 °C, aerobic.

Bacillus sp.

KMM 9114 = Pi3-14 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, 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 °C, 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 °C, aerobic.

Bacillus sp.

KMM 9185 = Sa4-8 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic.

Bacillus sp.

KMM 9194 = Sa4-17 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic.

Bacillus sp.

KMM 9197 = Sa11-3 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic

Bacillus sp.

KMM 9198 = Sa11-4 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic

Bacillus sp.

KMM 9202 = Sa13-2 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic

Bacillus sp.

KMM 9204 = Sa13-4 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic

Bacillus sp.

KMM 9208 = Sa13-8 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic

Bacillus sp.

KMM 9210 = Sa13-10 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic

Bacillus sp.

KMM 9219 = Sa13-19 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic

Bacillus sp.

KMM 9220 = Sa13-20 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic

Bacillus sp.

KMM 9225 = Sa13-25 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic

***Bacillus* sp.**

KMM 9226 = Sa13-26 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic

***Bacillus* sp.**

KMM 9273 = Sa26-8 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic

***Bacillus* sp.**

KMM 9276 = Sa26-11 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic

***Bacillus* sp.**

KMM 9277 = Sa26-12 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic

***Bacillus* sp.**

KMM 9285 = Sa 27-7 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, aerobic

***Bacillus* sp.**

KMM 9287 = Sa 27-9 /Bottom sediments, the Sakhalin seashore/ Medium 1, 28 °C, 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 °C, 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, 20-25°C, 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, 25°C, aerobic.

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

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

KMM 1922 = 2-14S16/3 /sponge *Stelletta validissima*, Island Iturup, Sea of Okhotsk, Pacific Ocean, - 120 m, 1986, Russia/ Medium 1 or 2, 25°C, aerobic.

KMM 2501 = 3-1M /sediment, littoral, Island Nosy Anjombavola, Indian Ocean, 1986, Madagascar/ Medium 1 or 2, 25°C, aerobic.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Media:

1. (g/l): Peptone - 5.0; yeast extract - 1.0; glucose – 1.0; MgSO₄– 0.5; K₂HPO₄ -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 6042^T (= 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 °C, 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 °C, aerobic. **Reference:** Microbiol Res (2008), 163, 633-644, Romanenko LA *et al.*

Brevundimonas sp.

KMM 8008 = Z 192 / Sea grass *Zostera marina*, Troitsa 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, 25°C, 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, 28-30°C, aerobic.

Cohaesibacter sp.

KMM 8010 = SF 2-8 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30°C, aerobic.

Cohaesibacter sp.

KMM 8011 = SF 2-9 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30°C, 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, 25°C, 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, 15°00' N; 133°00' W/ Medium 1, 28 °C, aerobic.

Erythrobacter sp.

KMM 31 = 454 /Sea water, 4000 m depth, the Pacific Ocean, 12°40' N; 134°40' W/ Medium 1, 28 °C, 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, Troitsa 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 °C, 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 °C, 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, 25°C, 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, 25°C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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, 28-30°C, aerobic.

***Roseobacter* sp.**

KMM 8017 = SF 2-3 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30°C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, aerobic.

***Sphingopyxis* sp.**

KMM 8013 = Z 278 / Sea grass *Zostera marina*, Troitsa 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 (26° 28.3' N, 122° 29.0' E) / Medium 1, 28 °C, 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 °C, aerobic. **Reference:** IJSEM (2004), 54, 475-480, Ivanova E.P *et al.*

Sulfitobacter pontiacus

KMM 1386 = 576 /Sea water, 2000 m depth, Pacific Ocean, 9°20' N; 133°20' W/ Medium 1, 28 °C, aerobic.

Sulfitobacter pontiacus

KMM 3889 = An 94 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 1, 28 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, aerobic.

***Acinetobacter* sp.**

KMM 6015 = Z 206 / Sea grass *Zostera marina*, Troitza Bay, Sea of Japan, Russia / Medium 1, 28 °C, aerobic.

***Aeromonas* sp.**

KMM 3871 = An22 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 6, 30 °C, 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 °C, 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, 30°C, 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 °C, 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, 25°C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, aerobic. **Reference:** IJSEM (2010), 60, 1832-1836, Romanenko L.A *et al.*

Cobetia marina

KMM 266 / Mussel *Crenomytilus grayanus*, Troitsa Bay (3 m depth), Sea of Japan, Russia / Medium 1, 28°C, aerobic.

Cobetia marina

KMM 8002 = Z 149 / Sea grass *Zostera marina*, Troitsa Bay, Sea of Japan, Russia / Medium 1, 28 °C, aerobic.

Cobetia marina

KMM 8003 = ZSW 73 / Sea water, Troitsa Bay, Sea of Japan, Russia / Medium 1, 28 °C, aerobic.

Cobetia sp.

KMM 3878 = R27 /Marine sediments, 2 m depth, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

Cobetia sp.

KMM 3879 = R34 /Marine sediments, 2 m depth, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

Cobetia sp.

KMM 3880 = R36 /Marine sediments, 2 m depth, the Sea of Japan, Russia/ Medium 1, 28 °C, 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 °C, aerobic.

Cobetia sp.

KMM 1561 = 14-46-2 / Sponge *Amphilectus digitatus*, Poecilosclerida, Esperlopsidae, the Bering Sea, Gulf of Alaska, a depth of 61 m/ Medium 1, 28 °C, aerobic.

***Cobetia* sp.**

KMM 1518 = An 38 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 1, 30 °C, aerobic.

***Cobetia* sp.**

KMM 1459 = R70 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Cobetia* sp.**

KMM 8001 = MF 2-5 / Brown alga *Fucus evanescens*, Kraternaya Bay, Kuril Islands, Pacific Ocean, Russia / Medium 1, 28-30°C, 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 °C, aerobic.

Glaciecola mesophila (Romanenko *et al.*, 2003)

KMM 241^T = Asb2-3^T = DSM 15026^T /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 30 °C, 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 °C, 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*, Troitsa Bay, Sea of Japan, Russia / Medium 1, 28 °C, 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 °C, aerobic. **Reference:** IJSEM (2002), 52, 1767-1772, Romanenko L.A *et al.*

***Halomonas* sp.**

KMM 2 = 447 /Sea water, 300 m depth, Pacific Ocean, 12°40' N; 134°40' W/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 23 = 308 /Sea water, 2000 m depth, Pacific Ocean, 12°20' N; 134°00' W/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 24 = 33 /Sea water, 200 m depth, Pacific Ocean, 15°00' N; 133°00' W/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 25 = 72 /Sea water, 30 m depth, Pacific Ocean, 11°00' N; 133°00' W/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 222 = 90/1 /Sea water, 5000 m depth, Pacific Ocean, 8°20' N; 133°0' W/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 224 = 522 /Sea water, 800 m depth, Pacific Ocean, 12°40' N; 131°20' W/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 233 = 49 /Sea water, 5000 m depth, Pacific Ocean, 15°00' N; 133°00' W/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 643 = 548 /Sea water, 500 m depth, Pacific Ocean, 9°20' N; 131°20' W/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 1399 = 6-158-26 /Ascidian, 9°01' S 158°03'W/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 1449 = 16g / Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 3656 = R63 = DSM 15399 / Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 3859 = An 37 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 1, 28 °C, 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 °C, aerobic.

***Halomonas* sp.**

KMM 1474 = 14-61-1 / Sponge *Suberites domuncula*, Hadromerida, Suberitidae, the Bering Sea, a depth of 83 m / Medium 1, 30 °C, aerobic.

***Halomonas* sp.**

KMM 9065 = a9 /Seaweed *Dictyopteris divaricata*, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 9066 = a10 /Seaweed *Dictyopteris divaricata*, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 9068 = a12 /Seaweed *Dictyopteris divaricata*, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 9070 = a14 /Seaweed *Dictyopteris divaricata*, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Halomonas* sp.**

KMM 9071= a15 /Seaweed *Dictyopteris divaricata*, the Sea of Japan, Russia/ Medium 1, 28 °C, 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, 8° 20' N; 133° 00' W/ Medium 1, 28 °C, 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, 12° 40' N; 131° 20' W/ Medium 1, 28 °C, 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 °C, aerobic.

***Idiomarina* sp.**

KMM 1436 = R38/ Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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, 20-25°C, 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, 20-25°C, 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, 20-25°C, 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, 20-25°C, 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, 20-25°C, 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 = 46-16^T = LMG 22531^T = UCM 11075^T / Sea water, Karadag Natural Reserve of the Eastern Crimea, Black Sea, Ukraine / Medium 1, 20-25°C, 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 °C, 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 °C, 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 °C, aerobic.

***Marinobacter* sp.**

KMM 647 = 558 /Sea water, 75 m depth, Pacific Ocean, 9°20' N; 133°20' W/ Medium 1, 28 °C, aerobic.

***Marinobacter* sp.**

KMM 236 = 647 /Sea water, 5000 m depth, Pacific Ocean, 9°20' N; 134°40' W/ Medium 1, 28 °C, aerobic.

***Marinobacter* sp.**

KMM 252 = 443 /Sea water, 100 m depth, Pacific Ocean, 12°40' N; 134°40' W/ Medium 1, 28 °C, aerobic.

***Marinobacter* sp.**

KMM 229 = 430 /Sea water, 200 m depth, Pacific Ocean, 10°59' N; 134°20' W/ Medium 1, 28 °C, aerobic.

***Marinobacter* sp.**

KMM 3 = 316 /Sea water, 30 m depth, Pacific Ocean, 12°20' N; 131°40' W/ Medium 1, 28 °C, aerobic.

***Marinobacter* sp.**

KMM 1438 = 468 /Sea water, 100 m depth, Pacific Ocean, 12°41' N; 132°38' W/ Medium 1, 28 °C, aerobic

***Marinobacter* sp.**

KMM 30 = 12 /Sea water, 20 m depth, Pacific Ocean, 15°00' N; 133°00' W/ Medium 1, 28 °C, aerobic.

***Marinobacter* sp.**

KMM 214 = 445 /Sea water, 200 m depth, Pacific Ocean, 12°40' N; 134°40' W/ Medium 1, 28 °C, aerobic.

***Marinobacter* sp.**

KMM 217 = 446 /Sea water, 200 m depth, Pacific Ocean, 12°40' N; 134°40' W/ Medium 1, 28 °C, aerobic.

***Marinobacter* sp.**

KMM 9 = 96 /Sea water, 75 m depth, Pacific Ocean, 9°20' N; 133°20' W/ Medium 1, 28 °C, aerobic.

***Marinobacter* sp.**

KMM 1442 = R68 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Marinobacter* sp.**

KMM 9027 = Sd2-35 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C,

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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C,
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 °C,
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, 10°00' N; 133°40' W/ Medium 1, 28
°C, 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 °C, 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 °C,
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, 22-25°C, 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, 22-25°C, 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, 22-25°C, 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, 22-25°C,
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, 22-25°C, 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, 22-25°C, 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, 22-25°C, 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, 25°C, aerobic.

Pseudoalteromonas citrea

KMM 7448 = 10SG7 /sediment coastal, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25°C, 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, 25-35°C, 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, 28-30°C, 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, 28-30°C, 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, 25-35°C, 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, 25°C, 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, 25-30°C, 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, 25-30°C, 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, Troitsa Bay, Gulf of Peter the Great, Sea of Japan, Russia / Medium 1, 25°C, 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 °C, aerobic.

Pseudoalteromonas sp.

KMM 213 = 6-273-18 /Ascidian *Polysyncraton* sp., Indian Ocean, 33°41'S, 134°28'E/ Medium 1, 28 °C, aerobic.

Pseudoalteromonas sp.

KMM 215 = As3-6 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic

Pseudoalteromonas sp.

KMM 219 = Asb1-3 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

Pseudoalteromonas sp.

KMM 220 = k6 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

Pseudoalteromonas sp.

KMM 221 = As3-4 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

Pseudoalteromonas sp.

KMM 223 = 44-1 /Sea water, 1950 m depth, Pacific Ocean, 15°00' N; 133°00' W/ Medium 1, 28 °C, aerobic / Producer of polyuridylyl-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 °C, aerobic.

Pseudoalteromonas sp.

KMM 249 = Asb2-1 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

Pseudoalteromonas sp.

KMM 251 = As3-3 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

Pseudoalteromonas sp.

KMM 253 = 4-10 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

Pseudoalteromonas sp.

KMM 517 = Asb8 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 500 = p2 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 646 = 5-32 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 °C, 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 °C, 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 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 1452 = 5-37 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 1453 = 5-41 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 1454 = 5-42 /Ascidian *Halocynthia aurantium*, Troitsa Bay, Peter the Great Bay, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 1455 = 24g /Marine sediments, the Sea of Japan, Troitsa Bay, Peter the Great Bay, Russia/ Medium 1, 28 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 1456 = 25g /Marine sediments, the Sea of Japan, Troitsa Bay, Peter the Great Bay, Russia/ Medium 1, 28 °C, 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 °C, 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 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 1378 = Pi2-15 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 1379 = Pi2-16 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 1390 = Pi2-19 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 1464 = R26 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 1433 = R33 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 3854 = An27 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Medium 1, 6, 28 °C, 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 °C, 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 °C, aerobic

***Pseudoalteromonas* sp.**

KMM 1598 = 15-44-1 / Sponge *Amphimedon* sp., the Tasman Sea, a depth of 299 m / Medium 1, 28 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 9101 = Pi3-1 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic.

***Pseudoalteromonas* sp.**

KMM 9170 = Pi3-72 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, 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), 25°C, 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 °C, 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 °C, 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 °C, 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 °C, aerobic. **Reference:** JGAM (2005), 51, 65-71, Romanenko L.A *et al.*

Pseudomonas stutzeri

KMM 226 = 43 /Sea water, 2000 m depth, Pacific Ocean, 15°00' N; 133°00' W/ Medium 1, 28 °C, 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 °C, 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, 25°C, aerobic.

***Pseudomonas* sp.**

KMM 7440 = 10w5 /seawater, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25°C, aerobic.

***Pseudomonas* sp.**

KMM 7441 = 10w6 /seawater, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25°C, aerobic.

***Pseudomonas* sp.**

KMM 7442 = 10sg/sediment coastal, Amursky Bay, Sea of Japan, Pacific Ocean, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25°C, aerobic.

***Pseudomonas* sp.**

KMM 7443 = 10SG2 /sediment coastal, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25°C, aerobic.

***Pseudomonas* sp.**

KMM 7444 = 10SG3 /sediment coastal, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25°C, aerobic.

***Pseudomonas* sp.**

KMM 7445 = 10SG4 /sediment coastal, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25°C, aerobic.

***Pseudomonas* sp.**

KMM 7446 = 10SG5 /sediment coastal, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25°C, aerobic.

***Pseudomonas* sp.**

KMM 228 = 417 /Sea water, 10 m depth, Pacific Ocean, 10°59' N; 134°20' W/ Medium 1, 28 °C, aerobic

Pseudomonas sp.

KMM 230 = 549 /Sea water, 1000 m depth, Pacific Ocean, 9°20' N; 131°20' W/ Medium 1, 28 °C, aerobic

Pseudomonas sp.

KMM 1370 = Pi13 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, 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 °C, aerobic

Pseudomonas sp.

KMM 1426 = R8 /Marine sediments, the Sea of Japan, Russia/ Medium 1, 28 °C, aerobic

Pseudomonas sp.

KMM 3848 = An 4 /Mollusc *Anadara broughtoni*, the Sea of Japan, Russia/ Media 1, 6, 28 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, aerobic

Psychrobacter sp.

KMM 3641 = Pi2-13 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, 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 °C, 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 °C, 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 °C, aerobic

Psychrobacter sp.

KMM 3652 = Pi2-52 = DSM 15404 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, aerobic

***Psychrobacter* sp.**

KMM 3844 = Pi46 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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, 28°C, aerobic.

***Rahnella* sp. (*Rahnella* genospecies 3)**

KMM 9155 = Pi3-57 /Sea ice, the Sea of Japan, Russia/ Medium 1, 28 °C, 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 °C, 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, 10°00' N; 133°40' W/ Medium 1, 28 °C, 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, 20-25°C, 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, 20-25°C, 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, 20-25°C, 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, 20-25°C, 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 °C, aerobic. **Reference:** IJSEM (2003), 53, 577-582, Ivanova E.P *et al.*
al.

Shewanella fidelis (Ivanova *et al.*, 2003)
KMM 3589 / Sea water, Troitz Bay, Gulf of Peter the Great, Sea of Japan, Russia / Medium 1,
28 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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, Troitz Bay, Gulf of Peter the Great,
Sea of Japan, Russia / Medium 1, 20-25 °C, aerobic. **Reference:** IJSEM (2001), 51, 1027-1033,
Ivanova E.P *et al.*

Shewanella japonica (Ivanova *et al.*, 2001)
KMM 3000 / Mussel *Protothaca jadoensis*, Yellow Sea, Pacific Ocean / Medium 1, 20-25 °C,
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, 20-25°C, 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, 20-25°C, 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, 20-25°C,

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, 20-25°C,

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, 20-25°C,

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, 20-25°C,

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, Troitz Bay, Gulf of Peter the Great, Sea of Japan, Russia / Medium 1, 20-25°C,

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*, Troitz Bay, Gulf of Peter the

Great, Sea of Japan, Russia / Medium 1, 20-25°C, 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 °C, 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 °C, 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 °C, 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 °C, aerobic

Reference: M&E (2008), 23, 209-214, Romanenko LA *et al.*

Mikrobiologiya (2011), 80, 33-39, Frolova GM *et al.*

Shewanella sp.

KMM 1418 = Pi 2-64 /Sea ice, the Sea of Japan, Russia/ Medium 1, 20 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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 °C, 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, 25°C, aerobic.

2 KMM 3570 = M3G30 /sediment, Posiet Bay, Sea of Japan, Pacific Ocean, 2m, 2002, Russia/ Medium 1 or 2, 25°C, aerobic

3 KMM 3571 = 19-19G1 /sediment, i. Paramushir, Kuril isles, Sea of Okhotsk, Pacific Ocean, 1.5m, 1996, Russia/ Medium 1 or 2, 25°C, 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, 25°C, 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, 25°C, aerobic

7 KMM 7351 = 27-29g1 /sediment, Aniva Bay, Sea of Okhotsk, Pacific Ocean, 36 m, 2001, Russia/ Medium 1 or 2, 25°C, aerobic

8 KMM 7352 = 29-1g10 /sediment, Peter the Great Bay, Sea of Japan, Pacific Ocean, 33 m, 2003, Russia/ Medium 1 or 2, 25°C, aerobic

9 KMM 7353 = 29-5w1 /seawater, Lunskey Bay, i. Sakhalin, Pacific Ocean, 2003, Russia /Medium 1 or 2, 25°C, aerobic

10 KMM 7354 = 29-5w2 /seawater, Lunskey Bay, i. Sakhalin, Pacific Ocean, 2003, Russia /Medium 1 or 2, 25°C, aerobic

11 KMM 7355 = 29-1w1/seawater, Peter the Great Bay, Sea of Japan, Pacific Ocean, 2003, Russia / Medium 1 or 2, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, aerobic

- 15 KMM 7359 = 29-19-1/1 /sponge *Halichondria panicea*, Piltun Bay, i. Sakhalin, Pacific Ocean, 107m, 2003, Russia, /Medium 1 or 2, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, aerobic
- 22 KMM 7366 = 31-2-8/2 /sponge *Hymedesmia* cf. *irregularis*, Aniva Bay, i. Sakhalin, Pacific Ocean, 37 m, 2005, Russia/Medium 1 or 2, 25°C, aerobic
- 23 KMM 7367 = 31-2-8/3 /sponge *Hymedesmia* cf. *irregularis*, Aniva Bay, i. Sakhalin, Pacific Ocean, 37 m, 2005, Russia/Medium 1 or 2, 25°C, aerobic
- 24 KMM 7368 = 31-2-5/3 /sediment sludge, Aniva Bay, i. Sakhalin, Pacific Ocean, 37 m, 2005, Russia/Medium 1 or 2, 25°C, aerobic
- 25 KMM 7369 = 31-2-5/4 /sediment sludge, Aniva Bay, i. Sakhalin, Pacific Ocean, 37m, 2005, Russia/Medium 1 or 2, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, aerobic
- 33 KMM 7377 = 31-8g1 /sediment, i. Iturup, Kuril isles, Sea of Okhotsk, Pacific Ocean, 180m, 2005, Russia/Medium 1 or 2, 25°C, aerobic
- 34 KMM 7378 = 31-44g1 /sediment, i. Urup, Kuril isles, Sea of Okhotsk, Pacific Ocean, 200m, 2005, Russia/Medium 1 or 2, 25°C, aerobic
- 35 KMM 7379 = 31-2-8/6 /sponge *Hymedesmia* cf. *irregularis*, Aniva Bay, i. Sakhalin, Pacific Ocean, 37 m, 2005, Russia/Medium 1 or 2, 25°C, aerobic
- 36 KMM 7380 = 31-2-8/7 /sponge *Hymedesmia* cf. *irregularis*, Aniva Bay, i. Sakhalin, Pacific Ocean, 37 m, 2005, Russia/Medium 1 or 2, 25°C, aerobic
- 37 KMM 7381 = 12K1 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25°C, aerobic
- 38 KMM 7382 = 12K4 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25°C, aerobic
- 39 KMM 7383 = 12K5 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25°C, aerobic
- 40 KMM 7384 = 12K18 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25°C, aerobic

- 41 KMM 7385 =12K44 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25°C, aerobic
- 42 KMM 7386 =12K46 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25°C, aerobic
- 43 KMM 7387 =12K47 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25°C, aerobic
- 44 KMM 7388 = 12K58 /hard coral *Tubastrea* sp., Coral Sea, Pacific Ocean, 5 m, 1990, Australia/Medium 1 or 2, 25°C, aerobic
- 45 KMM 7389 = 34-27-4/2 /alga *Turbinaria* sp., i. Re, South China Sea, 8 m, 2007, Vietnam/Medium 1 or 2, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, aerobic
- 50 KMM 7394 = 34-3-8/7 /sponge *Haliclona cymaeformis* + alga *Ceratoduction spongiosum*, i. Zenk Lam, South China Sea, Pacific Ocean, 7 m, 2007, Vietnam/Medium 1 or 2, 25°C, aerobic
- 51 KMM 7395 = 34-2g5a /sediment, i. Ko To, South China Sea, Pacific Ocean, 5 m, 2007, Vietnam/Medium 1 or 2, 25°C, aerobic
- 52 KMM 7396 = 34-1g11 /sediment, i. Ko To, South China Sea, Pacific Ocean, 5 m, 2007, Vietnam/Medium 1 or 2, 25°C, aerobic
- 53 KMM 7397 = 34-1g12 /sediment, i. Ko To, South China Sea, Pacific Ocean, 5 m, 2007, Vietnam/Medium 1 or 2, 25°C, aerobic
- 54 KMM 7398 = 34-1g12a /sediment, i. Ko To, South China Sea, Pacific Ocean, 5 m, 2007, Vietnam/Medium 1 or 2, 25°C, aerobic
- 55 KMM 7399 = 34-3-8/2b /sponge *Haliclona cymaeformis* + alga *Ceratoduction spongiosum*, i. Zenk Lam, South China Sea, Pacific Ocean, 7 m, 2007, Vietnam/ Medium 1 or 2, 25°C, aerobic
- 56 KMM 7400 = 34-3-8/3a /sponge *Haliclona cymaeformis* + alga *Ceratoduction spongiosum*, i. Zenk Lam, South China Sea, Pacific Ocean, 7 m, 2007, Vietnam/Medium 1 or 2, 25°C, aerobic
- 57 KMM 7402 = 34-3-8/6a /sponge *Haliclona cymaeformis* + alga *Ceratoduction spongiosum*, i. Zenk Lam, South China Sea, Pacific Ocean, 7 m, 2007, Vietnam/Medium 1 or 2, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, 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, 25°C, 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, 25°C
- 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, 25°C, 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, 25°C, aerobic
- 66 KMM 7411 = 34-56-5/3 /soft coral *Dendronephthya* sp., Vanfong Bay, South China Sea, Pacific Ocean, 10 m, 2007, Vietnam/Medium 1 or 2, 25°C, aerobic
- 67 KMM 7412 = 34-56-5/4 /soft coral *Dendronephthya* sp., Vanfong Bay, South China Sea, Pacific Ocean, 10 m, 2007, Vietnam/Medium 1 or 2, 25°C, aerobic
- 68 KMM 7413 = 34-59g1 /sediment, Vanfong Bay, South China Sea, Pacific Ocean, 10 m, 2007, Vietnam/Medium 1 or 2, 25°C, aerobic
- 69 KMM 7414 = 34-59g2 /sediment, Vanfong Bay, South China Sea, Pacific Ocean, 10 m, 2007, Vietnam/Medium 1 or 2, 25°C, aerobic
- 70 KMM 7415 = 34-59g3 /sediment, Vanfong Bay, South China Sea, Pacific Ocean, 10 m, 2007, Vietnam/Medium 1 or 2, 25°C, aerobic
- 71 KMM 7416 = 34-3dg1 /sediment, i.Re, South China Sea, Pacific Ocean, 65 m, 2007, Vietnam/Medium 1 or 2, 25°C, aerobic
- 72 KMM 7417 = 34-3dg2 /sediment, i.Re, South China Sea, Pacific Ocean, 65 m, 2007, Vietnam/Medium 1 or 2, 25°C, 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, 25°C, 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, 25°C
- 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, 25°C, aerobic
- 76 KMM 7421 = 7ws1 /seawater, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia, /Medium 1 or 2, 25°C, aerobic
- 77 KMM 7422 = 7ws2 /seawater, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia, /Medium 1 or 2, 25°C, aerobic
- 78 KMM 7423 = 7ws3 /seawater, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia, /Medium 1 or 2, 25°C, aerobic
- 79 KMM 7424 = 7ws4 /seawater, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia, /Medium 1 or 2, 25°C, aerobic
- 80 KMM 7425 = 7gs1 /sediment littoral, Posiet Bay, Sea of Japan, Pacific Ocean 2007, Russia /Medium 1 or 2, 25°C
- 81 KMM 7426 = 7gs2 /sediment littoral, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia/Medium 1 or 2, 25°C, aerobic
- 82 KMM 7427 = 7gs3/sediment littoral, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia/Medium 1 or 2, 25°C, aerobic
- 83 KMM 7428 = 7gs4/sediment littoral, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia/Medium 1 or 2, 25°C, aerobic
- 84 KMM 7429 = 7gs5 /sediment littoral, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia/Medium 1 or 2, 25°C, aerobic
- 85 KMM 7430 = 7gs6 /sediment littoral, Posiet Bay, Sea of Japan, Pacific Ocean, 2007, Russia/Medium 1 or 2, 25°C, aerobic
- 86 KMM 7431 = 10w1 /seawater, Amursky Bay, Sea of Japan, Pacific Ocean, 2010 Russia/Medium 1 or 2, 25°C, aerobic
- 87 KMM 7432 = 10w2 /seawater, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25°C, aerobic
- 88 KMM 7433 = 10w3 /seawater, Amursky Bay, Sea of Japan, Pacific Ocean, 2010, Russia/Medium 1 or 2, 25°C, aerobic
- 89 KMM 7434 = 11-33-11 /sponge *Verongida* sp., i. Praslin, Indian Ocean, 6 m, 1990, Republic of Seychelles/Medium 1 or 2, 25°C, aerobic
- 90 KMM 7435 = 11-33-11a /sponge *Verongida* sp., i. Praslin, Indian Ocean, , 6 m, 1990, Republic of Seychelles/Medium 1 or 2, 25°C, aerobic

- 91 KMM 7436 = 11-33-11b /sponge *Verongida* sp., i. Praslin, Indian Ocean, 6 m, 1990, Republic of Seychelles/Medium 1 or 2, 25°C, aerobic
- 92 KMM 7437 = 11-33-9 /sponge *Verongida* sp., i. Praslin, Indian Ocean, 6 m, 1990 Republic of Seychelles/Medium 1 or 2, 25°C, aerobic
- 93 KMM 7438 = 11-33-9a /sponge *Verongida* sp., i. Praslin, Indian Ocean, 6 m, 1990 Republic of Seychelles/Medium 1 or 2, 25°C, aerobic

Phylum *Verrucomicrobia*

Class *Verrucomicrobiae*

Roseibacillus persicus

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 restrictus* G. Sm. KMM 4129 The Sea of Japan, the Trinity bay, Ex: bottom sediments of estuary a depth of 5m
- 61 *Aspergillus restrictus* 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 3m
- 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* Schldl. 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 *Hialenospora 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 & Masee) 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 & Masee) 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 & Masee) 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 1,5m

- 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