

***Acetobacter aceti*** (Pasteur 1864) Beijerinck 1898

- B-879 <-- INMI, VKM B-879 <-- KM StPGU. Synonym: "*Acetobacter aceti* var. *muciparum*" (sic) (Hoyer) Frateur 1950. Ex: acetate film. (Medium 99, 26-28°C, F-1, S-5)
- B-880 <-- INMI, VKM B-880 <-- KM StPGU, 1. Synonym: "*Acetobacter aceti* var. *muciparum*" (sic) (Hoyer) Frateur 1950. (Medium 99, 26-28°C, F-1, S-5)
- B-980 <-- INMI, VKM B-980 <-- KM StPGU, A-1. Synonym: "*Acetobacter aceti* var. *muciparum*" (sic) (Hoyer) Frateur 1950. Ex: acetate fermenter of acetic plant, Russia, St.-Petersburg. (Medium 99, 26-28°C, F-1, S-5)
- B-981 <-- INMI, VKM B-981 <-- KM StPGU, LG-15. Synonym: "*Acetobacter aceti* var. *muciparum*" (sic) (Hoyer) Frateur 1950. Ex: Russia, St.-Petersburg. (Medium 99, 26-28°C, F-1, S-5)
- B-1276 <-- INMI, VKM B-1276 <-- KM StPGU, Fr-I. Received as: "*Acetobacter aceti* subsp. *muciparum*". Synonym: "*Acetobacter aceti* var. *muciparum*" (sic) (Hoyer) Frateur 1950. (Medium 99, 26-28°C, F-1, S-5)
- B-1281 <-- INMI, VKM B-1281 <-- KM StPGU, AN. Synonym: "*Acetobacter aceti* var. *muciparum*" (sic) (Hoyer) Frateur 1950. (Medium 99, 26-28°C, F-1, S-5)
- B-1282 <-- INMI, VKM B-1282 <-- KM StPGU, r-3/10. Synonym: "*Acetobacter aceti* var. *muciparum*" (sic) (Hoyer) Frateur 1950. (Medium 99, 26-28°C, F-1, S-5)

***Acetobacter*** sp.

- B-1278 <-- INMI, VKM B-1278 <-- KM StPGU, Fr-2. Received as: "*Acetobacter mesoxydans* subsp. *saccharovorans*". (Medium 99, 26-28°C, F-1, S-5)

***Achromobacter ruhlandii*** (Packer and Vishniac 1955) Yabuuchi et al. 1998

- B-1333 Type <-- INMI, VKM B-1333 <-- Zavarzin G.A. INMI <-- ATCC, ATCC 15749. (ATCC 15749; DSM 653; IAM 12600; ICPB 3983; NCIB 11475; NCIMB 11475; CIP 77.26; LMG 1866, 2909; Davis D.H. 368; Vishniac W. ("*Hydrogenomonas ruhlandii*")). Received as: "*Pseudomonas ruhlandii*". Synonym: *Alcaligenes ruhlandii* (Packer and Vishniac 1955) Aragno and Schlegel 1977 Type, "*Hydrogenomonas ruhlandii*" Packer and Vishniac 1955, "*Pseudomonas ruhlandii*" (Packer and Vishniac 1955) Davis in Davis et al. 1969 Type. Ex: soil. (Medium 5, 30°C, F-1, C-1, F-3)

***Acidomonas methanolica*** (Uhlig et al. 1986) Urakami et al. 1989

- B-2104 Type <-- Doronina N.V. IBPM <-- IMET, IMET 10945 (IMET 10945; ATCC 43581; CCM 4121; CIP 103167; DSM 5432; JCM 6891; LMG 1668). Synonym: *Acetobacter methanolicus* Uhlig et al. 1986. Ex: septic methanol-yeast process. (Medium 17, pH 4.0, 30°C, F-1)

***Actinoalloteichus cyanogriseus*** Tamura et al. 2000

- Ac-1271 Type <-- Kuznetsov V.D. INMI, K-1414 <-- JCM, JCM 6095. (CIP 106755; DSM 43889; IFO 14455; JCM 6095; NRRL B-16252). Ex: soil, China. (Medium 8, 28°C, F-1, C-1)

***Actinocorallia herbida*** Iinuma et al. 1994

- Ac-1994 Type <-- JCM, JCM 9647. (ATCC 51528; CIP 104066; DSM 44254; IFO 15485; JCM 9647). Ex: soil, Thailand, Bangkok. (Medium 184, 28°C, F-1)

***Actinocorallia libanotica*** (Meyer 1981) Zhang et al. 2001

- Ac-939 Type <-- INA, IMET 9616 <-- IMET, IMET 9616. (ATCC 35576; CCM 3425; DSM 43554; IFO 14095; IMET 9616; JCM 3284; NCIMB 11686; NRRL B-16097). Synonym: *Actinomadura libanotica* Meyer 1981 Type. Ex: soil, Lebanon, Beirut. (Medium 209, 28°C, F-1, C-1)

***Actinocorallia*** sp.

- Ac-1938 <-- INA, INA 6282. (INA 6282) Ex: soil, Russia. (Medium 209, 28°C, F-1, C-1)

***Actinokineospora diospyrosa*** Tamura et al. 1995

Ac-1984 Type <-- IFO, IFO 15665. (DSM 44255; IFO 15665; JCM 9921; NRRL B-24047). Ex: fallen persimmon leaves, Japan, Yamanashi Pref. (Medium 184, 28°C, F-1)

***Actinokineospora globicatena*** Tamura et al. 1995

Ac-1981 Type <-- IFO, IFO 15664. (DSM 44256; IFO 15664; JCM 9922; NRRL B-24048). Ex: soil around a pond, Japan, Yamanashi Pref. (Medium 184, 28°C, F-1)

***Actinokineospora inagensis*** Tamura et al. 1995

Ac-1982 Type <-- IFO, IFO 15663. (DSM 44258; IFO 15663; JCM 9923; NRRL B-24050). Ex: fallen leaves on the shore of a lake, Japan, Yamanashi Pref. (Medium 184, 28°C, F-1)

***Actinokineospora riparia*** Hasegawa 1988

Ac-1980 Type <-- IFO, IFO 14541. (ATCC 49499; 13450; DSM 44259; IFO 14541; JCM 7471; NCIMB 13255; NRRL B-16432). Ex: soil, Ado river, Japan, Shiga Pref. (Medium 184, 28°C, F-1)

***Actinokineospora terrae*** Tamura et al. 1995

Ac-1983 Type <-- IFO, IFO 15668. (DSM 44260; IFO 15668; JCM 9924; NRRL B-24049). Ex: soil around a pond, Japan, Yamanashi Pref. (Medium 184, 26°C, F-1)

***Actinomadura citrea*** Lavrova et al. 1972

Ac-1119 Type <-- INA, INA 1849. (INA 1849; RIA 1501; ATCC 27887; DSM 43461; IFO 14678; JCM 3295). Ex: soil. (Medium 191, 28°C, F-1, C-1)

***Actinomadura coerulea*** Preobrazhenskaya et al. 1975

Ac-1511 Type <-- INA, INA 765. (ATCC 33576; DSM 43675; IFO 14679; JCM 3320). (Medium 184, 28°C, F-1)

***Actinomadura cremea*** subsp. *cremea* Preobrazhenskaya et al. 1975

Ac-912 Type <-- INA, INA 292. (INA 292; ATCC 33577; DSM 43676; IFO 14182; JCM 3308). Ex: soil. (Medium 205, 28°C, F-1, C-1)

***Actinomadura cremea*** subsp. *rifamycini* Gauze et al. 1987

Ac-1085 Type <-- INA, INA 1349. (INA 1349; ATCC 33264; DSM 43936; IFO 14183; JCM 3309; NCIMB 12768; NRRL B-16122). Ex: soil, USSR. (Medium 158, 28°C, F-1, C-1)

***Actinomadura formosensis*** (Hasegawa et al. 1986) Zhang et al. 1998

Ac-1954 Type <-- IFO, IFO 14204. (ATCC 49059; DSM 43997; IFO 14204, 15870; JCM 7474; NCIMB 12773; NRRL B-16984). Received as: *Thermomonospora formosensis*. Synonym: *Thermomonospora formosensis* Hasegawa et al. 1986 Type. Ex: soil, Taiwan, Taipei. (Medium 184, 28°C, F-1)

***Actinomadura fulvescens*** Terekhova et al. 1987

Ac-938 Type <-- INA, INA 3321. (INA 3321; DSM 43923; IFO 14347; IMET 9745; JCM 6833). Ex: soil, sierozem, Turkmenistan, Ashkhabad Region. (Medium 213, 28°C, F-1, C-1)

***Actinomadura glauciflava*** Lu et al. 2003

Ac-1273 Type <--Kuznetsov V.D. INMI, K-4116 <--JCM, JCM 6161. (DSM 43891; IFO 14668; JCM 6161). Received as: "*Streptomycooides glaucoflavus*" Zhang et al. 1984. Ex: soil, China, Yunnan Province. (Medium 8, 28 C, F-1, C-1)

***Actinomadura kijaniata*** Horan and Brodsky 1982

Ac-874 Type <-- Brodsky B.C. USA, SCC 1256. (ATCC 31588; DSM 43764; IFO 14229; JCM

3306). Ex: soil, Kenya. (Medium 183, 28°C, F-1, C-1)

***Actinomadura livida*** Lavrova and Preobrazhenskaya 1975

Ac-908 Type <-- INA, INA 1678. (INA 1678; ATCC 33578; DSM 43677; IFO 14682; IMET 9575; JCM 3387). Ex: soil. (Medium 205, 28°C, F-1, C-1)

***Actinomadura luteofluorescens*** (Shinobu 1962) Preobrazhenskaya et al. 1975

Ac-1509 Type <-- RIA, RIA 1249. (ISP 5398; RIA 1249; ATCC 25469; CBS 702.69; DSM 40398; IFO 13057; JCM 4203, 4491; NRRL B-12327). Synonym: "*Streptomyces luteofluorescens*" Shinobu 1962 Type. Ex: soil, Japan, Aomori Pref. Noheji City. (Medium 205, 28°C, F-1, C-1)

***Actinomadura madurae*** (Vincent 1894) Lechevalier and Lechevalier 1968

Ac-809 Type <-- INA, NCTC 5654. (ATCC 19425; CCM 136; DSM 43067; IFO 13909, 14623; IMET 9585; JCM 7436; NCTC 5654). Synonym: "*Nocardia madurae*" (Vincent 1894) Blanchard 1896. Ex: mycetoma pedis tissue. (Medium 183, 37°C, F-1, C-1)

***Actinomadura pelletieri*** (Laveran 1906) Lechevalier and Lechevalier 1968

Ac-1330 <-- INA, IMET 7141. (RIA 476; IMET 7141). (Medium 190, 37°C, F-1, C-1)

***Actinomadura rubrobrunea*** (ex Krassilnikov et al. 1968) Kroppenstedt et al. 1991

Ac-775 <-- Agre N.S., INMI 1834. (ATCC 33518; IFO 14622). Received as: "*Excellospora viridinigra*" Agre and Guzeva 1975. Former name: "*Micropolyspora viridinigra*" Krassilnikov et al. 1968. Ex: soil, Uzbekistan. (Medium 8, 55°C, F-1)

Ac-1468 <-- Agre N.S., INMI 3805. Received as: "*Excellospora viridinigra*" Agre and Guzeva 1975. Former name: "*Micropolyspora viridinigra*" Krassilnikov et al. 1968. Ex: soil, Uzbekistan. (Medium 8, 55°C, F-1)

Ac-1469 <-- Agre N.S., INMI 3689. Received as: "*Excellospora viridinigra*" Agre and Guzeva 1975. Former name: "*Micropolyspora viridinigra*" Krassilnikov et al. 1968. Ex: soil, Uzbekistan. (Medium 8, 55°C, F-1)

Ac-1470 Type <-- Agre N.S., INMI 2991. (ATCC 49883; CIP 105486; DSM 43750; IFO 15275; IMET 9705; JCM 7345; KCTC 9493). Received as: "*Excellospora rubrobrunea*" Agre and Guzeva 1975. Synonym: "*Excellospora rubrobrunea*" Agre and Guzeva 1975. Former name: "*Micropolyspora rubrobrunea*" Krassilnikov et al. 1968. Ex: soil, Uzbekistan. (Medium 8, 55°C, F-1)

***Actinomadura*** sp.

Ac-873 <-- Tomita K., G 455-101. (ATCC 31491; DSM 43766; IFO 14989). Received as: "*Actinomadura luzonensis*" Tomita et al. 1980 Type. Ex: soil, Luzon Island, Philippines. (Medium 205, 28°C, F-1, C-1)

***Actinomadura umbrina*** Galatenko et al. 1987

Ac-1086 Type <-- INA, INA 2309. (INA 2309; RIA 1997; ATCC 49502; DSM 43927; IFO 14346; JCM 6837). Ex: soil, sierozem, Turkmenistan. (Medium 213, 28°C, F-1, C-1)

**"*Actinomadura uncinata*"** Galatenko et al.

Ac-1304 <-- INA, INA 471. (INA 471). Ex: soil, Uzbekistan. (Medium 190, 28°C, F-1, C-1)

***Actinomadura verrucosospora*** Nonomura and Ohara 1971

Ac-668 Type <-- INMI, VKM A-668 <-- RIA, RIA 1503. (RIA 1503; ATCC 27299; CBS 258.72; DSM 43358, 43550; IFO 14100; IMET 9588; JCM 3147; NCIMB 11119). Ex: dry-heated soil, Japan, Yamashi Prefecture. (Medium 205, 37°C, F-1, C-1)

*Actinomadura viridis* (Nonomura and Ohara 1971) Miyadoh et al. 1989

Ac-631 <-- INMI, VKM A-631 <-- RIA, RIA 1500. (RIA 1500; INA 1920; ATCC 27888; DSM 43462; IFO 14683; IMET 9581; JCM 3297; NCIMB 11448). Received as: *Actinomadura malachitica*. Synonym: *Actinomadura malachitica* Lavrova et al. 1972 Type. Ex: soil. (Medium 177, 28°C, F-1)

Ac-1315 Type <-- DSM, DSM 43175. (ATCC 27103; CBS 833.70; DSM 43175; IFO 15238; JCM 3112). Received as: *Microtetraspora viridis*. Synonym: *Microtetraspora viridis* Nonomura and Ohara 1971 Type. Ex: soil. (Medium 214, 28°C, F-1, C-1)

*Actinoplanes auranticolor* (Couch 1963) Stackebrandt and Kroppenstedt 1988

Ac-648 Type <-- INMI, VKM A-648 <-- RIA, RIA 819. (VKM Ac-675; RIA 819; ATCC 15330; CBS 189.64; DSM 43031; IFO 12245; IMET 9034; JCM 3038; NRRL B-3343). Received as: *Amorphosporangium auranticolor*. Synonym: *Amorphosporangium auranticolor* Couch 1963 Type. Ex: soil, Nevada, USA. (Medium 8, 28°C, F-1, C-1)

*Actinoplanes brasiliensis* Thiemann et al. 1969

Ac-1320 Type <-- DSM, DSM 43805. (ATCC 25844; DSM 43805; IFO 13938; JCM 3196; NRRL B-16714). Ex: soil, Brazil. (Medium 8, 28°C, F-1, C-1)

*Actinoplanes campanulatus* (Couch 1963) Stackebrandt and Kroppenstedt 1988

Ac-1319 Type <-- DSM, DSM 43148. (CBS 190.64; DSM 43148; IFO 12511; JCM 3059; NRRL B-3344). Received as: *Ampullariella campanulata*. Synonym: *Ampullariella campanulata* (Couch 1963) Couch 1964 Type. Ex: soil, USA. (Medium 8, 28°C, F-1, C-1)

*Actinoplanes cyaneus* Terekhova et al. 1987

Ac-1095 Type <-- INA, INA 1569. (INA 1569; DSM 46137; IFO 14990; IMET 9243; JCM 9082; NCIMB 12736). Ex: soil, Russia, Siberia. (Medium 209, 28°C, F-1, C-1)

*Actinoplanes digitatis* (Couch 1963) Stackebrandt and Kroppenstedt 1988

Ac-649 Type <-- INMI, VKM A-649 <-- RIA, RIA 820. (RIA 820; ATCC 15349; CBS 191.64; DSM 43149; IFO 12512; JCM 3060; NCIMB 10182; NRRL B-3345). Received as: *Ampullariella digitata*. Synonym: *Ampullariella digitata* (Couch 1963) Couch 1964 Type. Ex: soil, USA, Michigan. (Medium 8, 28°C, F-1, C-1)

*Actinoplanes lobatus* (Couch 1963) Stackebrandt and Kroppenstedt 1988

Ac-676 Type <-- INMI, VKM A-676 <-- CBS, CBS 192.64. (ATCC 15350; CBS 192.64; DSM 43150; IFO 12513; IMET 9246; JCM 3061; NRRL B-3346). Received as: *Ampullariella lobata*. Synonym: *Ampullariella lobata* (Couch 1963) Couch 1964 Type. Ex: soil, USA, Madison. (Medium 8, 28°C, F-1)

*Actinoplanes philippinensis* Couch 1950

Ac-647 <-- INMI, VKM A-647 <-- RIA, RIA 460. (RIA 460). Ex: rice paddy soil, Philippines. (Medium 8, 28°C, F-1, C-1)

Ac-842 Type <-- RIA, RIA 468. (RIA 468; ATCC 12427; CBS 107.58; DSM 43019; IFO 13878; JCM 3001; NRRL 2506). Ex: rice paddy soil, Philippines. (Medium 8, 28°C, F-1)

*Actinoplanes regularis* (Couch 1963) Stackebrandt and Kroppenstedt 1988

Ac-650 Type <-- INMI, VKM A-650 <-- RIA, RIA 821. (RIA 821; CBS 193.64; DSM 43151; IFO 12514; IMET 9268; JCM 3062; NRRL B-3347). Received as: *Ampullariella regularis*. Synonym: *Ampullariella regularis* (Couch 1963) Couch 1964 Type. Ex: forest soil, USA, Wisconsin. (Medium 8, 28°C, F-1)

*Actinoplanes utahensis* Couch 1963

Ac-674 Type <-- INMI, VKM A-674 <-- CBS, CBS 367.66. (ATCC 14539; CBS 367.66; DSM

43147; IFO 13244; IMET 9252; JCM 3122; NRRL B-16727). Ex: soil, USA. (Medium 8, 28°C, F-1, C-1)

***Actinopolyspora halophila*** Gochnauer et al. 1975

Ac-871 Type <-- ATCC, ATCC 27976. (ATCC 27976; DSM 43834; IFO 14106; JCM 3278; NCIMB 11472). Ex: a contaminant of complex medium for *Halobacterium*. (Medium 181, 37°C, F-1, F-4)

***Actinopolyspora mortivallis*** Yoshida et al. 1991

Ac-1974 Type <-- JCM, JCM 7550. (ATCC 49777; DSM 44261; IFO 15162; JCM 7550; NCIMB 13257). Ex: salty soil, USA, California, Death Valley. (Medium 226, 45°C, halophilic, F-1)

***Actinosynnema mirum*** Hasegawa et al. 1978

Ac-843 Type <-- Seino A. KCC, KCC A-0225. (ATCC 29888; DSM 43827; IFO 14064; IMET 9740; IMRU 3971; JCM 3225; NRRL B-12336). Ex: grass blade, Raritan River, USA, New-Jersey. (Medium 8, 28°C, F-1, C-1)

***Actinosynnema pretiosum*** subsp. *auranticum* Hasegawa et al. 1983

Ac-1961 Type <-- JCM, JCM 7343. (ATCC 31309; DSM 44131; IFO 13725, 15620; JCM 7343; NRRL B-16078). Ex: surface of blade of *Carex* species, Japan, Shiga Prefecture. (Medium 184, 25°C, F-1)

***Actinosynnema pretiosum*** subsp. *pretiosum* Hasegawa et al. 1983

Ac-1963 Type <-- JCM, JCM 7344. (ATCC 31281; DSM 44132; IFO 13726, 15621; JCM 7344; NRRL B-16060). Ex: surface of blade of *Carex* species, Japan, Shiga Prefecture. (Medium 184, 25°C, F-1)

***Aeromicrobium fastidiosum*** (Collins and Stackebrandt 1989) Tamura and Yokota 1994

Ac-1324 Type <-- NCIMB, NCIMB 12713. (ATCC 49363; DSM 10552; IFO 14897; JCM 8088; LMG 16205; NCIMB 12713). Received as: *Nocardioides fastidiosa*. Synonym: *Nocardioides fastidiosus* Collins and Stackebrandt 1989 Type. Ex: herbage. (Medium 190, 25°C, F-1, C-1)

***Agreia bicolorata*** Evtushenko et. al. 2001

Ac-1375 <-- Dobrovolskaya T.G. DSB MGU, 4g1. Received as: "*Clavibacter gallus*". Ex: couch-grass, *Agropyron repens*, stem gall, Russia, Moscow region. (Medium 166, 28°C, F-1, C-1)

Ac-1804 Type <-- Evtushenko L.I. IBPM, DL-4. (DSM 14575; JCM 12206; UCM Ac-620). Ex: *Calamagrosis neglecta*, leaf gall induced by nematode *Heteroanguina graminophila*, Russia, Moscow region. (Medium 166, 25°C, F-1, C-1)

Ac-1805 <-- Evtushenko L.I. IBPM, DL-28. Ex: *Calamagrosis neglecta*, leaf gall induced by nematode *Heteroanguina graminophila*, Russia, Moscow region. (Medium 166, 25°C, F-1, C-1)

***Agreia pratensis*** (Behrendt et al. 2002) Schumann et al. 2003

Ac-2510 Type <-- DSM, DSM 14246. (DSM 14246; JCM 12145; LMG 21000). Synonym: *Subtercola pratensis* Behrendt et al. 2002 Type. Ex: phyllosphere of grasses, Germany. (Medium 166, 25°C, F-1)

***Agreia*** sp. [

Ac-1783 <-- IBPM, DL-39. Ex: *Elytrigia repens*, stem gall induced by nematode *Anguina agropyri*, Russia, Moscow region. (Medium 166, 25°C, F-1, C-1)

***Agreia*** sp.

Ac-1806 <-- Evtushenko L.I. IBPM, DL-29. Ex: couch-grass, *Agropyron repens*, stem gall, Russia,

Moscow region. (Medium 166, 28°C, F-1, C-1)

*Agreia* sp.

Ac-2052 <-- IBPM, DL-501. (IFO 16398). Ex: *Calamagrostis* sp., leaf gall induced nematode *Heteroanguina garaminophila*, Russia, Moscow region. (Medium 166, 25°C, F-1, C-1)

*Agreia* sp.

Ac-2058 <-- Dorofeeva L.V. IBPM, DL-374. (IFO 16403). Ex: *Carex* sp., phyllosphere, Russia, Belgorod region. (Medium 166, 25°C, F-1, C-1)

*Agrococcus jenensis* Groth et al. 1996

Ac-1839 Type <-- Groth I. (ATCC 700087; CCUG 35514; CIP 106528; DSM 9580; JCM 9950; NBRC 100415). Ex: soil, Germany. (Medium 166, 25°C, F-1, C-1).

*Agromyces albus* Dorofeeva et al. 2003

Ac-1800 Type <-- Dorofeeva IBPM, DL-315. (CIP 108259; DSM 15934; IAM 15234, 15338; JCM 13565; NBRC 103057; UCM Ac-623). Ex: above-ground of a plant *Androsace* sp., fam. Primulaceae, Central-chernozem biosphere park, Russia, Belgorod region. (Medium 166, 28°C, F-1)

*Agromyces bracchium* Takeuchi and Hatano 2001

Ac-2088 Type <-- IFO, IFO 16238. (ATCC BAA-403; CIP 108985; DSM 14596; IFO 16238; JCM 11433; KCTC 13909; NCIMB 13881). Ex: soil, rhizosphere of mangrove trees, *Bruguiera gymnorhiza* Lamk, Iriomote island, Japan. (Medium 166, 28°C, F-1)

*Agromyces cerinus* subsp. *cerinus* Zgurskaya et al. 1992

Ac-1340 Type <-- DSB MGU, XI-15. (ATCC 51762; CIP 103632; DSM 8595; IFO 15780; IMET 11525; JCM 9083; LMG 16155). Ex: soil, birch grove, Russia, Moscow. (Medium 64, 28°C, F-1)

Ac-1341 <-- DSB MGU, VIII-5. (JCM 10056). Ex: soil, birch grove, Russia, Moscow. (Medium 64, 28°C, F-1)

Ac-1342 <-- DSB MGU, IV. (JCM 10057). Ex: soil, birch grove, Russia, Moscow. (Medium 64, 28°C, F-1)

Ac--1343 <- DSB MGU, V-1. (JCM 10058). Ex: soil, birch grove, Russia, Moscow. (Medium 64, 28°C, F-1)

*Agromyces cerinus* subsp. *nitratu*s Zgurskaya et al. 1992

Ac-1351 Type <-- DSB MGU, 14-3. (ATCC 51763; CIP 103634; DSM 8596; IFO 15783; IMET 11532; JCM 9084; LMG 16157). Ex: soil, birch grove, Russia, Moscow. (Medium 64, 28°C, F-1)

*Agromyces fucosus* Zgurskaya et al. 1992 emend. Ortiz-Martinez et al. 2004

Ac-1345 Type <-- DSB MGU, XII-6. (ATCC 51764; CIP 103633; DSM 8597; IFO 15781; IMET 11529; JCM 9085; LMG 16156). Ex: soil, birch grove, Russia, Moscow. (Medium 64, 28°C, F-1)

Ac-1346 <-- DSB MGU. (JCM 10059). Ex: soil, birch grove, Russia, Moscow. (Medium 64, 28°C, F-1)

Ac-1347 <-- DSB MGU, XII-4. (JCM 10060). Ex: soil, birch grove, Russia, Moscow. (Medium 64, 28°C, F-1)

Ac-1348 <-- DSB MGU, 16-13. (JCM 10061). Ex: soil, birch grove, Russia, Moscow. (Medium 64, 28°C, F-1)

Ac-1349 <-- DSB MGU, X-3. (JCM 10062). Ex: soil, birch grove, Russia, Moscow. (Medium 64, 28°C, F-1)

***Agromyces hippuratus*** (Zgurskaya et al. 1992) Ortiz-Martinez et al. 2004

Ac-1352 Type <-- DSB MGU, 15-6. (ATCC 51765; CIP 103635; DSM 8598; IFO 15782; IMET 11533; JCM 9086; LMG 16158). Synonym: *Agromyces fucosus* subsp. *hippuratus* Zgurskaya et al. 1992 Type. Ex: soil, birch grove, Russia, Moscow. (Medium 64, 28°C, F-1)

Ac-1353 <-- DSB MGU, 18-8. (JCM 10063). Synonym: *Agromyces fucosus* subsp. *hippuratus* Zgurskaya et al. 1992. Ex: soil, birch grove, Russia, Moscow. (Medium 64, 28°C, F-1)

***Agromyces luteolus*** Takeuchi and Hatano 2001

Ac-2085 Type <-- IFO, IFO 16235.(ATCC BAA-401; CIP 107131; DSM 14595; IFO 16235; JCM 11431; KCTC 13907; NCIMB 13882). Ex: soil, rhizosphere of mangrove, *Sonneratia alba*, the estuaries of the Shiira river, Iriomote island, Japan. (Medium 166, 28°C, F-1)

***Agromyces mediolanus*** (ex Mamoli 1939) Suzuki et al. 1996

Ac-1388 Type <-- DSM, DSM 20152. (ATCC 14004; CIP 104860; DSM 20152; JCM 3346; NCIMB 7206). Synonym: "*Corynebacterium mediolanum*" Mamoli 1939. (Medium 166, 28°C, F-1)

***Agromyces ramosus*** Gledhill and Casida 1969

Ac-1198 Type <-- ATCC, ATCC 25173. (ATCC 25173; CIP 103037; DSM 43045; IFO 13895, 13899; IMET 11027; LMG 16660; NCIMB 10801). Ex: soil. (Medium 166, 28°C, F-1)

***Agromyces rhizosphaerae*** Takeuchi and Hatano 2001

Ac-2086 Type <-- IFO, IFO 16236. (ATCC BAA-402; CIP 108986; uDSM 14597; IFO 16236; JCM 11432; KCTC 13908). Ex: soil, rhizosphere of mangrove, *Sonneratia alba*, the estuaries of the Shiira river, Iriomote island, Japan. (Medium 166, 28°C, F-1)

Ac-2087 <-- IFO, IFO 16237.(IFO 16237). Ex: soil of rhizosphere, *Bruguiera gymnorrhiza*, the estuaries of Shiira River, Iriomote island, Japan. (Medium 166, 28°C, F-1)

***Alcaligenes faecalis*** subsp. *faecalis* Castellani and Chalmers 1919

B-1518 Type <-- IBPM, IBPM B-166 <-- CCM, CCM 1052 <-- NCIB, NCIB 8156. (ATCC 8750; NCIB 8156; DSM 30030; CCM 1052; CIP 60-80; IFO 13111; NCDO 868; Conn H.J. 16; Hugh R. 135). (Medium 5, 37°C, F-1, S-5)

***Aliivibrio fischeri*** (Beijerinck 1889) Urbanczyk et al. 2007

B-995 <-- INMI, VKM B-995 <-- Chumakova R.I. IPh, NCMB 1274. (NCMB 1274; NCIMB 1274; LMG 4413). Received as: *Vibrio fischeri*. Synonym: *Photobacterium fischeri* (Beijerinck 1889) Reichelt and Baumann 1973, *Vibrio fischeri* (Beijerinck 1889) Lehmann and Neumann 1896. Ex: fish, *Merluccius vulgaris*, Mediterranean Sea. (Medium 43, 15-20°C, F-1, S-5, S-5) (136)

***Alkalibacter saccharofermentans*** Garnova et al. 2005

B-2308 Type <-- Zhilina T. N., INMI, Z-79820 (Z-79820; DSM 14828; UNIQEM U-218). Ex: a saccharolytic component, cellulolytic community, alkaline Lake Nizhnee Beloe, Transbaikal region, Russia. (Medium 229, 35°C, F-2)

***Aminobacter aminovorans*** (den Dooren de Jong 1926) Urakami et al. 1992

B-2058 Type <-- Doronina N.V. IBPM <-- JCM, JCM 7852. (ATCC 23314; DSM 7048; JCM 7852; NCIB 9039). Synonym: *Pseudomonas aminovorans* den Dooren de Jong 1926 Type. Ex: garden soil enriched with trimethylamine. (Medium 134 with 0.3 % methylamine, 30°C, F-1).

***Amycolatopsis azurea*** (Omura et al. 1983) Henssen et al. 1987

Ac-1418 Type <-- Henssen A. (ATCC 51273; DSM 43854; IFO 14573; JCM 3275; NRRL 11412). Received as: *Pseudonocardia azurea*. Synonym: *Pseudonocardia azurea* Omura et al. 1983

Type. Ex: soil, Japan. (Medium 64, 37°C, F-1)

***Amycolatopsis coloradensis*** Labeda 1995

Ac-1732 Type <-- IFO, IFO 15804. (ATCC 53629; DSM 44225; IFO 15804; JCM 9869; NCIMB 13017; NRRL 3218). Ex: soil, USA, Colorado. (Medium 183, 28°C, F-1)

***Amycolatopsis fastidiosa*** (ex Celmer et al. 1977) Henssen et al. 1987

Ac-1419 Type <-- Henssen A. (ATCC 31181; DSM 43855; IFO 14105; JCM 3276; NRRL B-16697). Received as: "*Pseudonocardia fastidiosa*" Celmer et al. 1977. Synonym: "*Pseudonocardia fastidiosa*" Celmer et al. 1977. Ex: soil, Egypt. (Medium 64, 36°C, F-1)

***Amycolatopsis lurida*** (Lechevalier et al. 1986) Stackebrandt et al. 2004

Ac-1242 Type <-- Terekhova L.P. INA, IMET 7654. (ATCC 14930; DSM 43134; IFO 14500; IMET 7654; IMRU 3860; JCM 3141; LMG 4064; NCIMB 9601; NRRL 2430). Received as: *Amycolatopsis orientalis* subsp. *lurida*. Synonym: *Amycolatopsis orientalis* subsp. *lurida* (ex Grundy et al. 1957) Lechevalier et al. 1986 Type, "*Nocardia lurida*" Grundy et al. 1957 Type. Ex: soil, Colorado Springs, USA, Colorado. (Medium 64, 28°C, F-1, C-1)

***Amycolatopsis mediterranei*** (Margalith and Beretta 1960) Lechevalier et al. 1986

Ac-798 Type <-- RIA, RIA 1376. (ISP 5501; RIA 1376; ATCC 13685; CBS 716.72; DSM 43304; IFO 13142, 13415; IMET 7651; JCM 4789; NCIMB 9613; NRRL B-3240). Received as: *Nocardia mediterranei*. Synonym: *Nocardia mediterranei* (Margalith and Beretta 1960) Thiemann et al. 1969 Type, "*Streptomyces mediterranei*" Margalith and Beretta 1960 Type. Ex: soil, seashore, France. (Medium 190, 28°C, F-1, C-1)

***Amycolatopsis orientalis*** (Pittenger and Brigham 1956) Lechevalier et al. 1986

Ac-866 Type <-- DSM, DSM 40040. (ISP 5040; RIA 1074; ATCC 19795; CBS 547.68; DSM 40040; IFO 12806; IMET 7653; JCM 4235, 4600; NCIMB 12945; NRRL 2450;). Received as: *Nocardia orientalis*. Synonym: *Nocardia orientalis* (Pittenger and Brigham 1956) Pridham and Lyons 1969 Type, "*Streptomyces orientalis*" Pittenger and Brigham 1956 Type. Ex: soil, Asia. (Medium 183, 28°C, F-1, C-1)

***Amycolatopsis*** sp.

Ac-604 <-- INMI, VKM A-604 <-- KCC S-0912. (ATCC 27382; DSM 40930, 41254; IFO 13305; JCM 4912; NRRL 3802). Received as: "*Streptomyces lactamdurans*" Stapley et al. 1972 Type. Ex: soil. Identified as *Amycolatopsis* sp. by 16S rDNA sequence analysis. (Medium 212, 28°C, F-1, C-1) (1000)

***Amycolatopsis*** sp.

Ac-1420 <-- Evtushenko L.I. IBPM, F101. Received as: "*Amycolatopsis fructiferi*" (ex Krassilnikov 1941) Taran et al. Type. Ex: soil, Seychelles. (Medium 64, 28°C, F-1)

***Amycolatopsis sulphurea*** Lechevalier et al. 1986

Ac-1244 Type <-- Terekhova L.P. INA, IMET 7649. (ATCC 27624; DSM 46092; IFO 13270; IMET 7649; JCM 3142; NRRL 2822). Synonym: "*Nocardia sulphurea*" Oliver and Sinclair 1964 Type. Ex: garden soil. (Medium 64, 28°C, F-1)

***Anaerobacter polyendosporum*** Duda et al. 1996

B-1724 Type <-- Duda V.I. INMI, PS 1. (DSM 5272). (Medium 5, 30°C, S-1)

***Ancalomicrobium adetum*** Staley 1968

B-1375 Type <-- INMI, VKM B-1375 <-- Staley J.T. Michigan State University, 4a:2. (ATCC 23632; DSM 4722; JCM 21375; NBRC 102456). Ex: freshwater creek. (Medium 101, 30°C, F-1, S-5)

***Ancylobacter aquaticus*** (Ørskov 1928) Raj 1983

B-1287 <-- INMI, VKM B-1287 <-- Zavarzin G.A. INMI, 238. Received as: *Microcycclus aquaticus*.  
Synonym: *Microcycclus aquaticus* Ørskov 1928. Ex: bog soil, Moscow region. (Medium 3,  
28°C, F-1)

***Ancylobacter vacuolatus*** Xin et al. 2006

B-1381 Type <-- INMI, VKM B-1381 <-- Nikitin D.I. INMI, NP-300. (DSM 1277; CIP 109300).  
Received as: "*Renobacter vacuolatum*" Nikitin 1971. Ex: soil. (Medium 145, 30°C, F-1)

***Angulomicrobium tetraedrale*** Vasilyeva et al. 1986

B-1335 Type <-- INMI, VKM B-1335 <-- Vasilyeva L.V. INMI, Z-2821. (DSM 5895). Ex: bog,  
Abramtsevo, Moscow region, Russia. (Medium 56, 30°C, F-1, S-4, S-5)

B-1336 <-- INMI, VKM B-1336 <-- Vasilyeva L.V. INMI, 1109. Ex: peat marsh, Moscow region,  
Russia. (Medium 56, 30°C, F-1, S-4, S-5)

***Anoxybacillus pushchinoensis*** corrig. Pikuta et al. 2000 emend. Pikuta et al. 2003

B-2193 Type <-- Pikuta E.V. IBPM, K 1. (ATCC 700785; DSM 12423). Ex: mixed samples of cows  
and pigs manure, Moscow region, Russia. (Medium 153, pH 9.5, 60°C, F-1)

***Arthrobacter agilis*** (Ali-Cohen 1889) Koch et al. 1995

Ac-2131 Type <-- VKM, VKM B-11 <-- INMI, VKM B-11 <-- Solntseva L.I. INMI, 20. (VKM B-  
11). Received as: *Micrococcus agilis*. Synonym: *Micrococcus agilis* Ali-Cohen 1889.  
(Medium 5, 30°C, F-1, C-1, F-3)

Ac-2132 <-- VKM, VKM B-1076 <-- INMI, VKM B-1076 <-- Dobrovolskaya T.G. DSB MGU, 36f.  
Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)

Ac-2133 <-- VKM, VKM B-1077 <-- INMI, VKM B-1077 <-- Dobrovolskaya T.G. DSB MGU, 148  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)

Ac-2134 <-- VKM, VKM B-1078 <-- INMI, VKM B-1078 <-- Dobrovolskaya T.G. DSB MGU, 90  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)

Ac-2135 <-- VKM, VKM B-1079 <-- INMI, VKM B-1079 <-- Dobrovolskaya T.G. DSB MGU, 61  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)

Ac-2136 <-- VKM, VKM B-1080 <-- INMI, VKM B-1080 <-- Dobrovolskaya T.G. DSB MGU, 17  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)

Ac-2137 <-- VKM, VKM B-1081 <-- INMI, VKM B-1081 <-- Dobrovolskaya T.G. DSB MGU, 60  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)

Ac-2138 <-- VKM, VKM B-1082 <-- INMI, VKM B-1082 <-- Dobrovolskaya T.G. DSB MGU, 8 N.  
Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)

Ac-2139 <-- VKM, VKM B-1083 <-- INMI, VKM B-1083 <-- Dobrovolskaya T.G. DSB MGU, 3 N.  
Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)

Ac-2140 <-- VKM, VKM B-1084 <-- INMI, VKM B-1084 <-- Dobrovolskaya T.G. DSB MGU, 196  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)

Ac-2141 <-- VKM, VKM B-1085 <-- INMI, VKM B-1085 <-- Dobrovolskaya T.G. DSB MGU, 62  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)

- Ac-2142 <-- VKM, VKM B-1086 <-- INMI, VKM B-1086 <-- Dobrovolskaya T.G. DSB MGU, 63  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2143 <-- VKM, VKM B-1087 <-- INMI, VKM B-1087 <-- Dobrovolskaya T.G. DSB MGU, 45  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2144 <-- VKM, VKM B-1088 <-- INMI, VKM B-1088 <-- Dobrovolskaya T.G. DSB MGU, 44  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2145 <-- VKM, VKM B-1089 <-- INMI, VKM B-1089 <-- Dobrovolskaya T.G. DSB MGU, 181  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2146 <-- VKM, VKM B-1090 <-- INMI, VKM B-1090 <-- Dobrovolskaya T.G. DSB MGU, 86  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2147 <-- VKM, VKM B-1091 <-- INMI, VKM B-1091 <-- Dobrovolskaya T.G. DSB MGU, 360  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2148 <-- VKM, VKM B-1092 <-- INMI, VKM B-1092 <-- Dobrovolskaya T.G. DSB MGU, 303  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2149 <-- VKM, VKM B-1093 <-- INMI, VKM B-1093 <-- Dobrovolskaya T.G. DSB MGU, 123  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2150 <-- VKM, VKM B-1094 <-- INMI, VKM B-1094 <-- Dobrovolskaya T.G. DSB MGU, 357  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2151 <-- VKM, VKM B-1095 <-- INMI, VKM B-1095 <-- Dobrovolskaya T.G. DSB MGU, 128  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2152 <-- VKM, VKM B-1096 <-- INMI, VKM B-1096 <-- Dobrovolskaya T.G. DSB MGU, 129  
N. Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, Tien Shan. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2153 <-- VKM, VKM B-1097 <-- INMI, VKM B-1097 <-- Dobrovolskaya T.G. DSB MGU, 21.  
Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, East Pamir. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2154 <-- VKM, VKM B-1098 <-- INMI, VKM B-1098 <-- Dobrovolskaya T.G. DSB MGU, 39.  
Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, East Pamirs. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2155 <-- VKM, VKM B-1099 <-- INMI, VKM B-1099 <-- Dobrovolskaya T.G. DSB MGU, 43.  
Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, East Pamirs. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2156 <-- VKM, VKM B-1100 <-- INMI, VKM B-1100 <-- Dobrovolskaya T.G. DSB MGU, 390.  
Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, East Pamirs. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2157 <-- VKM, VKM B-1101 <-- INMI, VKM B-1101 <-- Dobrovolskaya T.G. DSB MGU, 394.  
Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, East Pamirs. (Medium 98, 30°C, F-1, C-1, F-3)
- Ac-2158 <-- VKM, VKM B-1102 <-- INMI, VKM B-1102 <-- Dobrovolskaya T.G. DSB MGU, 415.  
Received as: Genus sp. Former name: "*Mycococcus ruber*" Krassilnikov 1941. Ex:  
lithophilous lichens, USSR, East Pamirs. (Medium 98, 30°C, F-1, C-1, F-3)

***Arthrobacter atrocyaneus*** Kuhn and Starr 1960

Ac-1104 Type <-- INMI, VKM B-652 <-- NCIMB, NCIB 9220. (VKM B-799; ATCC 13752; CCM

1645; DSM 20127; IFO 12956; IMET 10432; JCM 1329; NCIMB 9220). Ex: air. (Medium 64, 28°C, F-1, C-1)

***Arthrobacter aurescens*** Phillips 1953

Ac-1105 Type <-- INMI, VKM B-653 <-- NCIMB, NCIB 8912. (VKM Ac-1124, VKM B-800; ATCC 13344; CCM 1647; DSM 20116; IFO 12136; JCM 1330; LMG 3815; NCIMB 8912; NRRL B-2879). Ex: soil. (Medium 64, 28°C, F-1, C-1)

***Arthrobacter citreus*** Sacks 1954

Ac-1106 Type <-- INMI, VKM B-654 <-- NCIMB, NCIB 8915. (VKM Ac-1125, VKM B-801; ATCC 11624; CCM 1647; DSM 20133; IAM 12341; IFO 12957; IMET 10680; JCM 1331; LMG 16338; NCIMB 8915; NRRL B-1258). (Medium 64, 28°C, F-1, C-1)

***Arthrobacter crystallopoietes*** Ensign and Rittenberg 1963

Ac-1107 Type <-- INMI, VKM B-655 <-- NCIMB, NCIB 9499. (ATCC 15481; CCM 2386; DSM 20117; IFO 14235; JCM 2522; LMG 3819; NCIMB 9499). Ex: soil. (Medium 64, 28°C, F-1)

***Arthrobacter globiformis*** (Conn 1928) Conn and Dimmick 1947

Ac-1109 <-- INMI, VKM B-658 <-- NCIMB, NCIB 8602. (VKM Ac-1141, VKM B-1220; ATCC 4336; CCM 1651; CDA 425; IMET 10503; NCIMB 8602). Ex: soil. (Medium 64, 28°C, F-1, C-1)

Ac-1110 <-- INMI, VKM B-659 <-- NCIMB, NCIB 8605. (CCM 1650; CDA 616; NCIMB 8605). Ex: soil. (Medium 64, 28°C, F-1, C-1)

Ac-1111 <-- INMI, VKM B-660 <-- NCIMB, NCIB 8717. (DSM 20125; IAM 1637; IFO 12073). Ex: soil. (Medium 64, 28°C, F-1)

Ac-1112 Type <-- INMI, VKM B-661 <-- NCIMB, NCIB 8907. (ATCC 8010; CCM 1651; DSM 20124; IAM 12438; ICPB 3434; IFO 12137; JCM 1332; LMG 3813; NCIMB 8907; NRRL B-2979). Synonyms: "*Bacterium globiforme*" Conn 1928, "*Achromobacter globiformis*" (Conn 1928) Bergey et al. 1930, "*Mycobacterium globiforme*" (Conn 1928) Krasil'nikov 1941, "*Corynebacterium globiforme*" (Conn 1928) Wood 1950. Ex: soil. (Medium 64, 28°C, F-1, C-1)

Ac-1126 <-- INMI, VKM B-802 <-- CCM, CCM 254. Ex: soil. (Medium 64, 28°C, F-1)

***Arthrobacter histidinovorans*** Adams 1954

Ac-1978 Type <-- IFO, IFO 15510. (ATCC 11442; BCRC 12111; DSM 20115; IFO 15510; JCM 2520; LMG 3822; NCIMB 9541). Ex: soil. (Medium 166, 28°C, F-1)

***Arthrobacter ilicis*** (Mandel et al. 1961) Collins et al. 1982

Ac-1987 Type <-- IFO, IFO 15514. (ATCC 14264; DSM 20138; IFO 15514; NCPPB 1228). Ex: american holly, *Ilex opaca*. (Medium 166, 28°C, F-1)

***Arthrobacter nicotianae*** Giovannozzi-Sermanni 1959

Ac-1127 Type <-- INMI, VKM B-803 <-- CCM, CCM 1648. (VKM Ac-1113, VKM B-662; ATCC 15236; CCM 1648; CIP 82.107; DSM 20123; IAM 12342; IFO 14234; IMET 10353; JCM 1333; LMG 16305; NCIMB 9458). Ex: air of tobacco warehouse. (Medium 64, 28°C, F-1, C-1)

***Arthrobacter nicotinovorans*** Kodama et al. 1992

Ac-1988 Type <-- IFO, IFO 15511. (ATCC 49919; CIP 106990; DSM 420; IFO 15511; JCM 3874; LMG 16253). (Medium 166, 28°C, F-1)

***Arthrobacter oxydans*** Sgueros 1954

Ac-1114 Type <-- INMI, VKM B-663 <-- NCIMB, NCIB 9333. (ATCC 14358; CIP 107005; DSM

20119; IFO 12138; IMET 10684; JCM 2521; LMG 3816; NCIMB 9333). Ex: air. (Medium 64, 28°C, F-1, C-1)

Ac-1115 <-- INMI, VKM B-664 <-- NCIMB, NCIB 9334. (ATCC 14359; DSM 20120; JCM 3875; NCIMB 9334). (Medium 64, 28°C, F-1, C-1)

***Arthrobacter pascens*** Lochhead and Burton 1953

Ac-1116 Type <-- INMI, VKM B-665 <-- NCIMB, NCIB 8910. (VKM Ac-1128, VKM B-804; ATCC 13346; CCM 1653; CIP 102362; DSM 20545; IFO 12139; JCM 11606; LMG 16255; NCIMB 8910; NRRL B-1814). Ex: soil. (Medium 64, 26°C, F-1)

***Arthrobacter polychromogenes*** Schippers-Lammertse et al. 1963

Ac-1955 Type <-- IFO, IFO 15512. (ATCC 15216; BCRC 12114; CIP 106989; DSM 20136; IFO 15512; JCM 2523; LMG 3821; NCIMB 10267). Ex: air. (Medium 166, 28°C, F-1)

***Arthrobacter protophormiae*** (Lysenko 1959) Stackebrandt et al. 1984

Ac-2104 Type <-- IFO, IFO 12128. (ATCC 19271; BCRC 12118; CCEB 282; CIP 106987; DSM 20168; IFO 12128; JCM 1973; LMG 16324; NCIMB 12765). Synonym: *Brevibacterium protophormiae* Lysenko 1959 Type. Ex: fly *Protophormia terraenovae*. (Medium 64, 28°C, F-1)

***Arthrobacter ramosus*** Jensen 1960

Ac-1117 Type <-- INMI, VKM B-666 <-- NCIMB, NCIB 9066. (VKM Ac-1129, VKM B-805; ATCC 13727; CCM 1646; CIP 102361; DSM 20546; IAM 12344; IFO 12958; IMET 10685; JCM 1334; LMG 17309; NCIMB 9066; NRRL B-3159). Ex: beech forest soil. (Medium 64, 26°C, F-1, C-1)

***Arthrobacter*** sp.

Ac-1099 <-- INMI, VKM B-119 <-- Naumova A.N. INMI <-- Institute Pasteur, 301. (Medium 64, 28°C, F-1, C-1)

***Arthrobacter*** sp.

Ac-1147 <-- INMI, VKM B-88 <-- Voznyakovskaya J.A., VNIISHM. Received as: "*Mycobacterium album*" Sohngen 1913. Ex: soil, beet rhizosphere. (Medium 64, 28°C, F-1)

***Arthrobacter*** sp.

Ac-1156 <-- INMI, B-647 <-- VNIISHM 250. Received as: "*Mycobacterium nigrum*" Krassilnikov 1941. Ex: wheat rhizosphere. (Medium 64, 28°C, F-1)

***Arthrobacter*** sp.

Ac-2181 <-- VKM, VKM B-1233 <-- INMI, VKM B-1233 <-- CCM, CCM 856. (NCIMB 9148; NCFB 2363). Received as: *Micrococcus* sp. Former name: "*Micrococcus cyaneus*" (Schroeter) Cohn 1872. (Medium 166, 30°C, F-1, C-1, F-3)

***Arthrobacter*** sp.

Ac-2182 <-- VKM, VKM B-1812 <-- IMG, CCM 2691 <-- Kocur M. CCM, CCM 2691. (ATCC 27571; CCM 2691; CIP 82.53). Received as: *Micrococcus kristinae* Kloos et al. 1974. Ex: human skin. (Medium 5, 30°C, F-1, C-1, F-3)

***Arthrobacter*** sp.

Ac-2183 <-- VKM, VKM B-1828 <-- IMG, CCM 1395 <-- Kocur M. CCM, CCM 1395. (CCM 1395). Received as: *Micrococcus varians* Migula 1900. Ex: meat. (Medium 5, 30°C, F-1, C-1, F-3)

***Arthrobacter uratoxydans*** Stackebrandt et al. 1984

Ac-1979 Type <-- IFO, IFO 15515. (ATCC 21749; CIP 102367; DSM 20647; IFO 15515; JCM 11944; LMG 16220). Ex: humus soil. (Medium 166, 28°C, F-1)

***Arthrobacter ureafaciens*** (Krebs and Eggleston 1939) Clark 1955

Ac-1121 Type <-- INMI, VKM B-670 <-- NCIMB, NCIB 7811. (VKM Ac-1132, VKM B-808; ATCC 7562; CCM 1644; CIP 67.3; DSM 20126; IFO 12140; JCM 1337; LMG 3812; NCIMB 7811). Synonym: "*Corynebacterium ureafaciens*" Krebs and Eggleston 1939. Ex: soil. (Medium 5, 28°C, F-1, C-1)

***Arthrobacter viscosus*** Gasdorf et al. 1965

Ac-2105 <-- IFO, IFO 13497. (ATCC 15294; DSM 20159; IFO 13497; NCIMB 10268). (Medium 64, 28°C, F-1)

***Asanoa ferruginea*** (Asano and Kawamoto 1986) Lee and Hah 2002

Ac-1422 Type <-- IFO, IFO 14496. (ATCC 49966; CIP 107013; DSM 44099; IFO 14496; JCM 7544; NRRL B-16430). Synonym: "*Catellatospora ferruginea*" Asano and Kawamoto 1986 Type. Ex: soil, Japan, Yamanashi Pref. (Medium 191, 28°C, F-1)

***Asticcacaulis excentricus*** Poindexter 1964

B-1370 Type <-- INMI, VKM B-1370 <-- Poindexter J.S. PHRI, AC-48. (ATCC 15261; CIP 107064; DSM 4724). Ex: pond water, California, USA. (Medium 56, 30°C, F-1, S-5, S-4)

***Azospirillum brasilense*** corrig. Tarrand et al. 1979

B-1547 Type <-- IBCh, sp 7. (ATCC 29145; DSM 1690; NCIMB 11860; BCRC 12270; JCM 1224; CECT 590; IMTECH 125). Ex: *Digitaria decumbens*, Brazil, Rio de Janeiro. (Medium 124, 30°C, F-1, C-1, F-3)

***Azospirillum lipoferum*** (Beijerinck 1925) Tarrand et al. 1979

B-1519 Type <-- ATCC, ATCC 29707. (ATCC 29707; DSM 1691; BCRC 12213; JCM 1247; NCIMB 11861). Ex: wheat, *Triticum vulgare*, Brazil, Rio de Janeiro. (Medium 124, 28°C, F-1, C-1, F-3)

***Azotobacter beijerinckii*** Lipman 1904

B-1615 Type <-- DSM, DSM 378. (ATCC 19360; DSM 378; NCIB 8948; NCIMB 8948; IMTECH 123). Ex: activated sludge. (Medium 40, 30°C, F-1, C-1, F-3)

***Azotobacter chroococcum*** Beijerinck 1901

B-1272 <-- INMI, VKM B-1272 <-- PCM, PCM 15. (PCM 15). (Medium 40, 30°C, F-1, C-1, F-3)  
B-1616 Type <-- DSM, DSM 2286. (VKM B-1520; ATCC 9043; DSM 2286; NCIB 11694; NCIMB 11694; BCRC 10599). (Medium 40, 30°C, F-1, C-1, F-3)

***Azotobacter vinelandii*** Lipman 1903

B-1273 <-- INMI, VKM B-1273 <-- PCM, c90. (PCM c90). (Medium 30, 30°C, F-1, C-1, F-3)  
B-1617 Type <-- DSM, DSM 2289. (ATCC 478, 8372; DSM 2289; NCIB 12096; NCIMB 12096; IMTECH 124; Smith N.R., 16). (Medium 40, 30°C, F-1, C-1, F-3)

***Bacillus atropheus*** Nakamura 1989

B-723 <-- INMI, VKM B-723 <-- NCIB, NCIB 8056. (NCIB 8056; ATCC 6537). Received as: "*Bacillus subtilis* subsp. *niger*" Smith et al. 1946. (Medium 3, 30°C, F-1, S-4)

B-763 <-- INMI, VKM B-763 <-- CCM, CCM 878. (CCM 878). Received as: "*Bacillus subtilis* subsp. *niger*" Smith et al. 1946. (Medium 3, 30°C, F-1, S-4) (1279)

B-911 <-- INMI, VKM B-911 <-- INMIA. (CIP 52.79). Received as: "*Bacillus subtilis* subsp. *niger*" Smith et al. 1946. (Medium 3, 30°C, F-1, S-4)

***Bacillus badius*** Batchelor 1919

- B-496 Type <-- INMI, VKM B-496 <-- NCTC, NCTC 10333 <-- Smith N.R., 663 <-- Henry, 110. (ATCC 14574; CCM 2113; NCIB 9364; NCTC 10333; CCEB 623; IAM 11059; DSM 23; CNCM (CIP) 58.52). (Medium 5, 37°C, F-1, C-1, S-4)  
B-936 <-- INMI, VKM B-936 <-- INMIA. (CIP 5852). (Medium 3, 30°C, F-1, C-1, S-4)

***Bacillus circulans*** Jordan 1890

- B-222 <-- INMI, VKM B-222 <-- Mishustina I.E. INMI, 1159. Ex: water, Greenland Sea, station 8, depth 200 m, 78 03'0" N.lat., 06 45'0" W.long. (Medium 3, 28°C, F-1, S-4)  
B-692 <-- INMI, VKM B-692 <-- NCIB, NCIB 7578 <-- Gibson T., 48. (NCIB 7578; NCTC 7578). (Medium 5, 30°C, F-1, S-4)  
B-693 <-- INMI, VKM B-693 <-- NCIB, NCIB 8144. (VKM B-385; NCIB 8144; ATCC 9966; IAM 1112; IFO 3329; BUCSAV 155). (Medium 3, 30°C, F-1, S-4)  
B-729 <-- INMI, VKM B-729 <-- CCM, CCM 41. (CCM 41; CN 1609). (Medium 3, 30°C, F-1, S-4)  
B-793 <-- INMI, VKM B-793 <-- CCEB, CCEB 026. (CCEB 026; Lysenko O. Ch-5). (Medium 3, 30°C, F-1, S-4)  
B-815 <-- INMI, VKM B-815 <-- CCEB. (CRIPP A 224). (Medium 5, 30°C, F-1, S-4)  
B-953 <-- INMI, VKM B-953 <-- INMIA. (CIP 5121). (Medium 5, 30°C, F-1, S-4)  
B-954 <-- INMI, VKM B-954 <-- INMIA. (IFO 3342). (Medium 5, 30°C, F-1, S-4)  
B-1242 Type <-- INMI, VKM B-1242 <-- CCM, CCM 2048 <-- Smith N.R., 726 <-- Ford W.W., 26. (VKM B-505; ATCC 24, 4513, 9140; CCM 2048; BCRC (formerly BCRC) 10605; CCUG 7416; CIP 52.75; DSM 11; HAMBI 1911; IAM 12462; IFO (now NBRC) 13626; JCM 2504; LMG 6926; 13261; NCCB 75011; NCIMB 9374 (formerly NCDO 1775); NCTC 2610; NRRL B-378, B-380). Ex: soil. (Medium 5, 30°C, F-1, S-4)  
B-1969 <-- Zvyagintseva I.S. INMI. Received as: "*Bacillus circulans* var. *halophilus*". (Medium 219, 30°C, F-1, S-4)

***Bacillus coagulans*** Hammer 1915 emend. De Clerck et al. 2004

- B-386 <-- INMI, VKM B-386 <-- INMIA <-- CCEB, CCEB 361 <-- Lysenko O., 46-11-2. (CCEB 361). Ex: bark-beetle, *Xyloterus lineatus*. (Medium 3, 30°C, F-1, S-4)  
B-731 Type <-- INMI, VKM B-731 <-- CCM, CCM 32 <-- CN, CN 2202. (VKM B-497; ATCC 7050; CCM 2013; BCRC 10606; CCUG 7417; CFBP 4225; CIP 66.25; DSM 1; HAMBI 1931; IAM 1115; NBRC 12583; IMET 10993; JCM 2257; LMG 6326; NCCB 77025, 48014; NCIMB 9365 (formerly NCDO 1761); NCTC 10334; NRIC 1005; NRRL NRS-609). Ex: evaporated milk. (Medium 5, 37°C, F-1, C-4)  
B-732 <-- INMI, VKM B-732 <-- CCM, CCM 101. (CCM 101; IFO 3557). (Medium 5, 30°C, F-1, S-4)  
B-733 <-- INMI, VKM B-733 <-- CCM, CCM 1082 <-- Smith N.R., 784 "*Bacillus dextralacticus*". (CCM 1082; BUCSAV 156; NCIB 8041; ATCC 10545; CNCM (CIP) 59.63; NCDO 725). (Medium 5, 30°C, F-1, S-4)  
B-794 <-- INMI, VKM B-794 <-- CCEB, CCEB 361. Ex: bark-beetle, *Xyloterus lineatus*. (Medium 5, 37°C, F-1, S-4)  
B-948 <-- INMI, VKM B-948 <-- INMIA. (CIP 5263). (Medium 5, 40°C, F-1, S-4)  
B-949 <-- INMI, VKM B-949 <-- INMIA. (IFO 3886). (Medium 5, 37°C, F-1, S-4)

***Bacillus firmus*** Bredemann and Werner 1933

- B-498 Type <-- INMI, VKM B-498 <-- NCTC, NCTC 10335 <-- Smith N.R., 613. (VKM B-735; ATCC 14575; CCM 2213; BCRC (formerly BCRC) 11730; CCUG 7418; CIP 52.70; DSM 12; HAMBI 1886; IAM 12464; IFO (now NBRC) 15306; JCM 2512; LMG 7125; NCAIM B.01087; NCCB 48015; NCIMB 9366; NCTC 10335; NRRL B-14307; NRRL NRS-613). (Medium 5, 30°C, F-1, S-4)  
B-734 <-- INMI, VKM B-734 <-- CCM, CCM 2212 <-- Smith N.R., 854 <-- Bredemann G., A, Hamburg. (CCM 2212; ATCC 8247; NCIB 8162; IFO 3330; CNCM (CIP) 52.69; CN

2196; HMS R.A. 8.1; Smith N.R., 854). (Medium 3, 30°C, F-1, S-4)  
B-957 <-- INMI, VKM B-957 <-- INMIA. (IFO 3330). (Medium 5, 30°C, F-1, S-4)  
B-1000 <-- INMI, VKM B-1000 <-- Vasilyeva L.V. INMI. Received as: *Bacillus* sp. Ex: reedy bog,  
Russia, Moscow suburb. (Medium 5, 30°C, F-1, S-4)

***Bacillus lentus*** Gibson 1935

B-500 Type <-- INMI, VKM B-500 <-- NCTC, NCTC 4824. (ATCC 10840; CCM 2214; BCRC  
(formerly BCRC) 11735; CCUG 1816; CIP 52.74; DSM 9; HAMBI 1918; IAM 12466;  
IFO (now NBRC) 15655, 16413, 16444; JCM 2511; LMG 16798; NCCB 48017; NCIMB  
8713, 8773; NCTC 4824; NRRL B-396). Ex: soil. (Medium 5, 28°C, F-1, S-4)  
B-1725 <-- DSB MGU, 6 GAV. (Medium 5, 28°C, F-1)  
B-1726 <-- DSB MGU, 2 bac. (Medium 5, 28°C, F-1)

***Bacillus licheniformis*** (Weigmann 1898) Chester 1901

B-59 <-- INMI, VKM B-59 <-- Kurochkin B.I., Astrakhan Medical Institute . Received as: "*Bacillus  
tinakiensis*". Ex: mud for medical application, Tinaiki Lake, Russia, Astrakhan region.  
(Medium 3, 30°C, F-1, S-4)  
B-67 <-- INMI, VKM B-67 <-- Mirzoeva V.A. INMI, s/z. Received as: "*Bacillus mesentericus*"  
Trevisan 1889. Ex: northern Podzol. (Medium 5, 30°C, F-1, S-4)  
B-68 <-- INMI, VKM B-68 <-- Mirzoeva V.A. INMI, on. Received as: "*Bacillus mesentericus*"  
Trevisan 1889. Ex: corn. (Medium 5, 30°C, F-1, S-4)  
B-72 <-- INMI, VKM B-72 <-- Mirzoeva V.A. INMI, 16/1 n. Received as: "*Bacillus mesentericus*"  
Trevisan 1889. Ex: brown soil, Armenia. (Medium 5, 30°C, F-1, S-4)  
B-73 <-- INMI, VKM B-73 <-- Mirzoeva V.A. INMI, 3-4. Received as: "*Bacillus mesentericus*"  
Trevisan 1889. Ex: corn. (Medium 5, 30°C, F-1, C-1, S-4)  
B-77 <-- INMI, VKM B-77 <-- Mirzoeva V.A. INMI, 7/3. Received as: "*Bacillus mesentericus*"  
Trevisan 1889. Ex: wheat, *Triticum vulgare*. (Medium 5, 30°C, F-1, S-4)  
B-78 <-- INMI, VKM B-78 <-- Mirzoeva V.A. INMI, 5. Received as: "*Bacillus mesentericus*"  
Trevisan 1889. Ex: hay. (Medium 5, 30°C, F-1, S-4)  
B-79 <-- INMI, VKM B-79 <-- Mirzoeva V.A. INMI, 8/50. Received as: "*Bacillus mesentericus*"  
Trevisan 1889. Ex: Podzol. (Medium 5, 30°C, F-1, S-4)  
B-80 <-- INMI, VKM V-80 <-- Mirzoeva V.A. INMI, 7 g. Received as: "*Bacillus mesentericus*"  
Trevisan 1889. Ex: wheat, *Triticum vulgare*. (Medium 5, 30°C, F-1, S-4)  
B-405 <-- INMI, VKM B-405 <-- INMIA. Received as: "*Bacillus mesentericus*" Trevisan 1889.  
(Medium 3, 30°C, F-1, S-4)  
B-429 <-- INMI, VKM B-429 <-- INMIA, CCEB 115. Received as: *Bacillus subtilis*. Ex: fly,  
*Sphaerocella* sp. (Medium 5, 30°C, F-1, S-4)  
B-431 <-- INMI, VKM B-431 <-- INMIA, TI N1232. Received as: *Bacillus subtilis*. (Medium 5,  
30°C, F-1, S-4)  
B-432 <-- INMI, VKM B-432 <-- INMIA, TI N1235. Received as: *Bacillus subtilis*. (Medium 5,  
30°C, F-1, S-4)  
B-433 <-- INMI, VKM B-433 <-- INMIA, NCTC 6346. (VKM B-17; ATCC 9789, ATCC 102,  
ATCC 4527, ATCC 8243, ATCC9800; NCTC 6346, 2586; AMNH 723; BUCSAV 171;  
Smith N.R. 243; Ford W.W. 1; Hankey B 13; NCIB 6346; CN (CNCM) 1060). Ex: milk.  
(Medium 3, 30°C, F-1, S-4)  
B-435 <-- INMI, VKM B-435 <-- INMIA, BU 169. (ATCC 9945; CCM 2206; NCIB 8062; BUCSAV  
169). Received as: *Bacillus subtilis*. Ex: flour. (Medium 3, 30°C, F-1, S-4)  
B-511 Type <-- INMI, VKM B-511 <-- NCTC, NCTC 10341. (ATCC 14580; NCIB 9375; IFO  
12200; CCM 2145; NCTC 10341; DSM 13; Gibson T. 46; Smith N.R. 1264). (Medium 3,  
37°C, F-1, S-4)  
B-740 <-- INMI, VKM B-740 <-- CCM, CCM 2181 <-- Smith N.R., 1330. (CCM 2181; ATCC  
10716, 11944; NCIB 8873; IFO 12199; Smith N.R., 1330). (Medium 3, 30°C, F-1, S-4)  
B-741 <-- INMI, VKM B-741 <-- CCM, CCM 2182. (CCM 2182; NCIB 6816; NCTC 6816).  
(Medium 3, 30°C, F-1, S-4)

- B-931 <-- INMI, VKM B-931 <-- INMIA. (CIP 58.29). (Medium 3, 30°C, F-1, S-4)  
 B-932 <-- INMI, VKM B-932 <-- INMIA. (CNCM (CIP) 58.26). (Medium 5, 30°C, F-1, S-4)  
 B-1054 <-- INMI, VKM B-1054 <-- VNIISHM, 34 <-- Kral Collection, Vienna. Received as: *Bacillus subtilis*. (Medium 3, 30°C, F-1, S-4)  
 B-1055 <-- INMI, VKM B-1055 <-- VNIISHM, 36. Received as: *Bacillus subtilis*. (Medium 3, 30°C, F-1, S-4)

***Bacillus megaterium*** de Bary 1884

- B-40 <-- INMI, VKM B-40 <-- INMI, 11. (Medium 9, 30°C, F-1, S-4)  
 B-42 <-- INMI, VKM B-42 <-- INMI, 2-nd zavodskaya. (Medium 9, 30°C, F-1, S-4)  
 B-44 <-- INMI, VKM B-44 <-- INMI, 19/1. (Medium 3, 30°C, F-1, S-4)  
 B-112 <-- INMI, VKM B-112 <-- Shaforostova L.I. INMI. (Medium 3, 30°C, F-1, S-4)  
 B-392 <-- INMI, VKM B-392 <-- INMIA, 119. (Medium 3, 30°C, F-1, S-4)  
 B-393 <-- INMI, VKM B-393 <-- INMIA, 901. Ex: red earth, Georgia. (Medium 3, 30°C, F-1, S-4)  
 B-394 <-- INMI, VKM B-394 <-- INMIA, 906. Ex: Podzol, Ukraine. (Medium 9, 30°C, F-1, S-4)  
 B-395 <-- INMI, VKM B-395 <-- INMIA, 908. Ex: alpine black earth, Georgia. (Medium 9, 30°C, F-1, S-4)  
 B-396 <-- INMI, VKM B-396 <-- INMIA, 909. Ex: sierozem, Tadzhikistan. (Medium 9, 30°C, F-1, S-4)  
 B-397 <-- INMI, VKM B-397 <-- INMIA, 910. Ex: brown earth, Armenia. (Medium 3, 30°C, F-1, S-4)  
 B-398 <-- INMI, VKM B-398 <-- INMIA, 912. Ex: red earth, Georgia. (Medium 3, 30°C, F-1, S-4)  
 B-399 <-- INMI, VKM B-399 <-- INMIA, 913. Ex: brown earth, Armenia. (Medium 3, 30°C, F-1, S-4)  
 B-400 <-- INMI, VKM B-400 <-- INMIA. Ex: contaminated culture VKM B-400 received from INMIA as strain isolated from soil, China. (Medium 3, 30°C, F-1, S-4)  
 B-401 <-- INMI, VKM B-401 <-- INMIA, 916. Ex: alpine meadow soil, Armenia. (Medium 9, 30°C, F-1, S-4)  
 B-402 <-- INMI, VKM B-402 <-- INMIA, 921. Ex: sierozem, Azerbaijan. (Medium 9, 30°C, F-1, S-4)  
 B-512 Type <-- INMI, VKM B-512 <-- NCTC, NCTC 10342 <-- Gibson T., 1060 <-- Ford W.W., 19. (ATCC 14581; NCIB 9376; CCM 2007; CCEB 633; DSM 32; NCTC 10342; Gibson T. 1060; Ford W.W. 19). (Medium 3, 28°C, F-1, C-1, S-4)  
 B-742 <-- INMI, VKM B-742 <-- CCM, CCM 1462. (CCM 1462; ATCC 9885; NCIB 8291; NCIMB 8291; BUCSAV 159). (Medium 9, 30°C, F-1, S-4)  
 B-847 <-- INMI, VKM B-847 <-- VNIISHM, 49. Received as: "*Bacillus megaterium* subsp. *phosphaticum*" Menkina 1950. Ex: sierozem, Tadzhikistan, Vahsh valley. (Medium 9, 30°C, F-1, S-4)  
 B-944 <-- INMI, VKM B-944 <-- INMIA. (CIP 5952). (Medium 3, 30°C, F-1, S-4)  
 B-945 <-- INMI, VKM B-945 <-- INMIA. (CIP 5218). (Medium 3, 30°C, F-1, S-4)  
 B-947 <-- INMI, VKM B-947 <-- INMIA. (BUCSAV 160). (Medium 3, 30°C, F-1, S-4)  
 B-1050 <-- INMI, VKM B-1050 <-- VNIISHN, 1 <-- Moscow agronomical station. (Medium 3, 30°C, F-1, S-4)  
 B-1051 <-- INMI, VKM B-1051 <-- VNIISHM, 2. (Medium 3, 30°C, F-1, S-4)  
 B-1052 <-- INMI, VKM B-1052 <-- VNIISHM, 4. (Medium 3, 30°C, F-1, S-4)  
 B-1065 <-- INMI, VKM B-1065 <-- VNIISHM, 3. (Medium 3, 30°C, F-1, S-4)  
 B-1111 <-- INMI, VKM B-1111 <-- Nadirova I.M. INMI. Received as: *Bacillus* sp. Ex: sea water, Russia, Far East. (Medium 3, 30°C, F-1, S-4)

***Bacillus mycoides*** Flugge 1886

- B-45 <-- INMI, VKM B-45 <-- INMIA, 430. (Medium 3, 30°C, F-1, S-4)  
 B-46 <-- INMI, VKM B-46 <-- INMIA. (Medium 3, 30°C, F-1, S-4)  
 B-47 <-- INMI, VKM B-47 <-- INMIA, 138. (Medium 3, 30°C, F-1, S-4)  
 B-48 <-- INMI, VKM B-48 <-- INMIA, 9 d. (Medium 3, 30°C, F-1, S-4)  
 B-412 <-- INMI, VKM B-412 <-- INMIA, 132. Ex: brown earth, Armenia. (Medium 5, 30°C, F-1,

- S-4)
- B-413 <-- INMI, VKM B-413 <-- INMIA, 138 L. Ex: mountain black soil, Armenia. (Medium 5, 30°C, F-1, S-4)
- B-414 <-- INMI, VKM B-414 <-- INMIA, 149 L. Ex: black soil, Armenia. (Medium 5, 30°C, F-1, S-4)
- B-415 <-- INMI, VKM B-415 <-- INMIA, 154 L. Ex: black soil, Armenia. (Medium 5, 30°C, F-1, S-4)
- B-416 <-- INMI, VKM B-416 <-- INMIA. (CCEB 284). Ex: *Phylloperita* sp., Armenia. (Medium 5, 30°C, F-1, S-4)
- B-417 <-- INMI, BKM B-417 <-- INMIA, 431 L. Ex: red soil, Georgia. (Medium 5, 30°C, F-1, S-4)
- B-689 <-- INMI, BKM B-689 <-- NCIB, NCIB 926 <-- Rothamsted CRII. (NCIB 926; NCTC 926). Ex: soil. (Medium 5, 30°C, F-1, S-4)
- B-690 <-- INMI, VKM B-690 <-- NCIB, NCIB 8096 <-- Smith N.R., 936. (NCIB 8096; NCIMB 8096; ATCC 10206; NCTC 20603; NRS 936; Smith N.R. 936). (Medium 5, 30°C, F-1, S-4)
- B-691 <-- INMI, VKM B-691 <-- NCIB, NCIB 7586 <-- Gibson T., 15 *Bacillus cereus*. (NCTC 7586; NCIB 7586). Received as: "*Bacillus cereus* subsp. *mycoides*" (Flugge 1886) Smith et al. 1946. (Medium 5, 30°C, F-1, S-4)
- B-782 <-- INMI, VKM B-782 <-- CCM, CCM 30. (CCM 30). Received as: "*Bacillus cereus* subsp. *mycoides*" (Flugge 1886) Smith et al. 1946. Ex: pond water. (Medium 3, 30°C, F-1, S-4)
- B-783 <-- INMI, VKM B-783 <-- CCM, CCM 431. (CCM 431). Ex: pond water. (Medium 5, 30°C, F-1, S-4)
- B-784 <-- INMI, VKM B-784 <-- CCM, CCM 432. (CCM 432). Received as: "*Bacillus cereus* subsp. *mycoides*" (Flugge 1886) Smith et al. 1946. Ex: pond water. (Medium 3, 30°C, F-1, S-4)
- B-785 <-- INMI, VKM B-785 <-- CCM, CCM 446. (CCM 446). Received as: "*Bacillus cereus* subsp. *mycoides*" (Flugge 1886) Smith et al. 1946. Ex: pond mud. (Medium 3, 30°C, F-1, S-4)
- B-786 <-- INMI, VKM B-786 <-- CCM, CCM 451. (CCM 451). Received as: "*Bacillus cereus* subsp. *mycoides*" (Flugge 1886) Smith et al. 1946. Ex: pond mud. (Medium 3, 30°C, F-1, S-4)
- B-787 <-- INMI, VKM B-787 <-- CCM, CCM 115. (CCM 115; IFO 3015). (Medium 5, 30°C, F-1, S-4)
- B-788 <-- INMI, VKM B-788 <-- CCM, CCM 145. (CCM 145; IAM 1190; IFO 3039). (Medium 5, 30°C, F-1, S-4)
- B-789 <-- INMI, VKM B-789 <-- CCM, CCM 869. (CCM 869). Received as: "*Bacillus cereus* subsp. *mycoides*" (Flugge 1886) Smith et al. 1946. (Medium 3, 30°C, F-1, S-4)
- B-790 <-- INMI, VKM B-790 <-- CCM, CCM 914. (CCM 914). Received as: "*Bacillus cereus* subsp. *mycoides*" (Flugge 1886) Smith et al. 1946. Ex: sludge. (Medium 3, 30°C, F-1, S-4)
- B-791 <-- INMI, VKM B-791 <-- CCM, CCM 915. (CCM 915). Received as: "*Bacillus cereus* subsp. *mycoides*" (Flugge 1886) Smith et al. 1946. Ex: sludge. (Medium 3, 30°C, F-1, S-4)
- B-792 <-- INMI, VKM B-792 <-- CCM, CCM 916. (CCM 916). Received as: "*Bacillus cereus* subsp. *mycoides*" (Flugge 1886) Smith et al. 1946. Ex: sludge. (Medium 3, 30°C, F-1, S-4)
- B-813 <-- INMI, VKM B-813 <-- CCEB, CCEB A 111. (CRIPP A 111). Ex: barley. (Medium 5, 30°C, F-1, S-4)
- B-814 <-- INMI, VKM B-814 <-- CCEB, CCEB A 184. (CRIPP A 184). Ex: soil. (Medium 5, 30°C, F-1, S-1)
- B-940 <-- INMI, VKM B-940 <-- INMIA. (CIP 5119). Received as: *Bacillus cereus*. (Medium 3, 30°C, F-1, S-4)

***Bacillus pumilus* Meyer and Gottheil 1901**

- B-23 <-- INMI, VKM B-23 <-- Solntseva L.I. INMI, 101. Received as: "*Bacillus elenbachensis*" Stutzerin and Gottheil 1901. (Medium 3, 30°C, F-1, S-5, S-4)
- B-93 <-- INMI, VKM B-93 <-- Solntseva L.I. INMI, 66. Received as: "*Bacillus mesentericus vulgatus*" Flugge 1886. (Medium 3, 30°C, F-1, S-4)
- B-423 <-- INMI, VKM B-423 <-- INMIA, CCEB 360. Ex: polyhedra powder, "Filaxia", Hungary. (Medium 5, 30°C, F-1, S-4)

B-424 <-- INMI, VKM B-424 <-- INMIA. (BUCSAV 167; ATCC 6632; NCIB 8081; NCDO 732; IFO 12088; CCM 1995; AMNH 732; Smith N.R. 247 "*Bacillus mesentericus*" Trevisan 1889). (Medium 5, 30°C, F-1, S-4)

B-508 Type <-- INMI, VKM B-508 <-- NCTC, NCTC 10337 <-- Smith N.R., 272. (ATCC 7061; NCIB 9369; NCIMB 9369; IAM 12469; 567; JCM 2508; NCTC 10337; IFO 12092; CCM 2144; CCEB 639; CN 2200; CNCM (CIP) 52.67; DSM 23; Smith N.R., 272). (Medium 5, 30°C, F-1, C-1, S-4)

B-711 <-- INMI, VKM B-711 <-- NCIB, NCIB 8738 <-- Fuller A.T. (Medium 5, 30°C, F-1, S-4)

B-749 <-- INMI, VKM B-749 <-- CCM, CCM 386. (CCM 386). Ex: water. (Medium 5, 30°C, F-1, S-4)

B-750 <-- INMI, VKM B-750 <-- CCM, CCM 447. (CCM 447). Ex: pond water. (Medium 5, 30°C, F-1, S-4)

B-935 <-- INMI, VKM B-935 <-- INMIA. (CIP 5268). (Medium 3, 30°C, F-1, S-4)

B-1554 <-- IBPM B-626 <-- Kalakoutskii L.V. IBPM <-- Gordon R. IMRU. (ATCC 15716). Ex: air. (Medium 5, 30°C, F-1, S-5, S-4)

***Bacillus* sp.**

B-16 <-- INMI, VKM B-16 <-- Solntseva L.I. INMI, 106. Received as: "*Bacillus budrikii*" Issachenko 1927. (Medium 3, 30°C, F-1, S-5, S-4)

***Bacillus* sp.**

B-18 <-- INMI, VKM B-18 <-- Solntseva L.I. INMI, 91. Received as: "*Bacillus tumescens*" Zopf 1885. (Medium 3, 30°C, F-1, S-5, S-4)

***Bacillus* sp.**

B-19 <-- INMI, VKM B-19 <-- Solntseva L.I. INMI, 69. Received as: "*Bacillus nobiles*" Adametz 1900. (Medium 3, 30°C, F-1, S-5, S-4)

***Bacillus* sp.**

B-20 <-- INMI, VKM V-20 <-- Solntseva L.I. INMI, 78. Received as: "*Bacillus asterosporus*" Haselhoff and Bredemann 1906. (Medium 3, 30°C, F-1, S-5, S-4)

***Bacillus* sp.**

B-21 <-- INMI, VKM B-21 <-- Solntseva L.I. INMI, 105. Received as: "*Bacillus lini*" Grieg-Smith 1905. (Medium 3, 30°C, F-1, S-5, S-4)

***Bacillus* sp.**

B-24 <-- INMI, VKM B-24 <-- Solntseva L.I. INMI, 107. Received as: "*Bacillus paludosus*" Issachenko 1927. (Medium 3, 30°C, F-1, S-5, S-4)

***Bacillus* sp.**

B-50 <-- INMI, VKM B-50. (Medium 3, 30°C, F-1, S-4)

***Bacillus* sp.**

B-95 <-- INMI, VKM B-95 <-- Solntseva L.I. INMI, 70. Received as: "*Bacillus mesentericus fuscus*" Flugge 1886. (Medium 3, 30°C, F-4, S-4)

***Bacillus* sp.**

B-210 <-- INMI, VKM B-210 <-- Mishustina I.E. INMI, 907. Received as: "*Bacillus catenula*" (Duclaux 1887 ) Migula 1900. Ex: water, Arctic Ocean, depth 5 m, 87 28'0"N.lat., 177 12'0"W.long. (Medium 68, 28°C, F-1, S-4)

***Bacillus* sp.**

B-211 <-- INMI, VKM B-211 <-- Mishustina I.E. INMI, 1004. Received as: "*Bacillus catenula*"

(Duclaux 1887 ) Migula 1900. Ex: water, station 2, Greenland sea, depth 10 m, 78 03"N.lat., 08 50'0"E. long. (Medium 68, 28°C, F-1, S-4)

***Bacillus* sp.**

B-212 <-- INMI, VKM B-212 <-- Mishustina I.E. INMI, 2038. Received as: "*Bacillus catenula*" (Duclaux 1887 ) Migula 1900. Ex: water, station 215, Indian Ocean, depth 27 m, 60 04'1"S.lat., 40 17'2"E. long. (Medium 68, 28°C, F-1, S-4)

***Bacillus* sp.**

B-213 <-- INMI, VKM B-213 <-- Mishustina I.E. INMI, 2041. Received as: "*Bacillus catenula*" (Duclaux 1887 ) Migula 1900. Ex: water, station 215, Indian Ocean, depth 81 m, 60 04'1"S.lat., 40 17'2"E. long. (Medium 68, 28°C, F-1, S-4)

***Bacillus* sp.**

B-214 <-- INMI, VKM B-214 <-- Mishustina I.E. INMI, 2342. Received as: "*Bacillus catenula*" (Duclaux 1887) Migula 1900. Ex: water, station 260, Indian Ocean, depth 650 m, 36 18'9"S.lat., 19 36'9"E. long. (Medium 68, 28°C, F-1, S-4)

***Bacillus* sp.**

B-215 <-- INMI, VKM B-215 <-- Mishustina I.E. INMI, 2418. Received as: "*Bacillus catenula*" (Duclaux 1887 ) Migula 1900. Ex: water, station 267, Indian Ocean, depth 778 m, 40 37'8"S.lat., 29 13'5"E. long. (Medium 68, 28°C, F-1, S-4)

***Bacillus* sp.**

B-216 <-- INMI, VKM B-216 <-- Mishustina I.E. INMI, 2420. Received as: "*Bacillus catenula*" (Duclaux 1887 ) Migula 1900. Ex: water, station 267, Indian Ocean, depth 778 m, 40 37'8"S.lat., 29 13'5"E. long. (Medium 68, 28°C, F-1, S-4)

***Bacillus* sp.**

B-217 <-- INMI, VKM B-217 <-- Mishustina I.E. INMI, 2925. Received as: "*Bacillus catenula*" (Duclaux 1887) Migula 1900. Ex: water, station 309, Indian Ocean, depth 5180 m, 16 48'5"S.lat., 96 54'8"E. long. (Medium 68, 28°C, F-1, S-4)

***Bacillus* sp.**

B-218 <-- INMI, VKM B-218 <-- Mishustina I.E. INMI, 3017. Received as: "*Bacillus catenula*" (Duclaux 1887) Migula 1900. Ex: water, station 314, Indian Ocean, depth 3270 m, 07 48'3"S.lat., 90 38'8"E. long. (Medium 68, 28°C, F-1, S-4)

***Bacillus* sp.**

B-219 <-- INMI, VKM B-219 <-- Mishustina I.E. INMI, 2344. Received as: "*Bacillus catenula*" (Duclaux 1887 ) Migula 1900. Ex: mud, station 271, Indian Ocean, 49 49'3"S.lat, 41 21'3"E.long. (Medium 68, 28°C, F-1, S-4)

***Bacillus* sp.**

B-220 <-- INMI, VKM B-220 <-- Mishustina I.E. INMI, 3286. Received as: "*Bacillus catenula*" (Duclaux 1887) Migula 1900. Ex: mud, station 326, Indian Ocean, 16 41'0"N.lat., 88 27'1"E.long. (Medium 68, 28°C, F-1, S-4)

***Bacillus* sp.**

B-221 <-- INMI, VKM B-221 <-- Mishustina I.E. INMI, 2222. Received as: "*Bacillus virgulus*" (Duclaux 1887) Krassilnikov 1949. Ex: water, station 249, Indian Ocean, depth 10 m, 53 58'9"S.lat., 20 10'8"E.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-223 <-- INMI, VKM B-223 <-- Mishustina I.E. INMI, 4871. Received as: "*Bacillus lubinski*" Migula 1900. Ex: water, station 3840, Pacific Ocean, depth 48 m, 35 16'8"S.lat., 172 12'0"E.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-224 <-- INMI, VKM B-224 <-- Mishustina I.E. INMI, 7281. Received as: "*Bacillus lubinski*" Migula 1900. Ex: water, station 372, Atlantic Ocean, depth 3946 m, 10 30'0"N.lat., 30 00'0"W.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-225 <-- INMI, VKM B-225 <-- Mishustina I.E. INMI. Received as: "*Bacillus glutinosus*" (Kern 1896) Krassilnikov 1949. Ex: mud, Arctic Ocean, Central Arctica, station SP-3, depth 75 m, 88 04'0"N.lat., 151 16'0"W.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-226 <-- INMI, VKM B-226 <-- Mishustina I.E. INMI, B- 503. Received as: "*Bacillus glutinosus*" (Kern 1896) Krassilnikov 1949. Ex: water, Central Arctica, Arctic Ocean, station SP-5, depth 10 m, 82 55'0"N.lat., 151 31'0"W.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-227 <-- INMI, VKM B-227 <-- Mishustina I.E. INMI, C 2376. Received as: "*Bacillus glutinosus*" (Kern 1896) Krassilnikov 1949. Ex: water, Indian Ocean, station 265, depth 148 m, 36 20'5"S. lat., 23 14'2"W.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-228 <-- INMI, VKM B-228 <-- Mishustina I.E. INMI, B-11. Received as: "*Bacillus filaris*" (Migula 1900) Krassilnikov 1949. Ex: water, Central Arctica, Arctic Ocean, station SP-3, depth 250 m, 88 04'3"N.lat., 151 16'0"W.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-229 <-- INMI, VKM B-229 <-- Mishustina I.E. INMI, D 509. Received as: "*Bacillus filaris*" (Migula 1900) Krassilnikov 1949. Ex: water, Central Arctica, Arctic Ocean, station SP-3, depth 0 m, 85 53'0"N.lat., 27 30'0"W.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-230 <-- INMI, VKM B-230 <-- Mishustina I.E. INMI, E 1219. Received as: "*Bacillus filaris*" (Migula 1900) Krassilnikov 1949. Ex: water, Greenland Sea, station 22, depth 750 m, 81 59'0"N.lat., 09 58'0"W.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-231 <-- INMI, VKM B-231 <-- Mishustina I.E. INMI, J 1229. Received as: "*Bacillus filaris*" (Migula 1900) Krassilnikov 1949. Ex: water, Greenland Sea, station 22, depth 2000 m, 81 59'0"N.lat., 09 58'0"W.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-232 <-- INMI, VKM B-232 <-- Mishustina I.E. INMI, F 1233. Received as: "*Bacillus filaris*" (Migula 1900) Krassilnikov 1949. Ex: water, Greenland Sea, station 23, depth 75 m, 82 52'0"N.lat., 09 04'0"W.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-233 <-- INMI, VKM B-233 <-- Mishustina I.E. INMI, J 1386. Received as: "*Bacillus filaris*" (Migula 1900) Krassilnikov 1949. Ex: water, Greenland Sea, station 22, depth 25 m, 78 55'0"N.lat., 01 26'0"W.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-235 <-- INMI, BKM B-235 <-- Mishustina I.E. INMI, 2384. Received as: "*Bacillus filaris*" (Migula 1900) Krassilnikov 1949. Ex: water, Indian Ocean, station 265, depth 485 m, 36 20'5"S. lat., 23 14'2"W.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-236 <-- INMI, VKM B-236 <-- Mishustina I.E. INMI, 3283. Received as: "*Bacillus filaris*" (Migula 1900) Krassilnikov 1949. Ex: mud, Indian Ocean, station 323, 10 07'8"N.lat., 88 08'0"W. long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-237 <-- INMI, VKM B-237 <-- Mishustina I.E. INMI, 3288. Received as: "*Bacillus filaris*" (Migula 1900) Krassilnikov 1949. Ex: mud, Indian Ocean, station 326, 16 41'0"N.lat., 88 27'1"W. long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-238 <-- INMI, VKM B-238 <-- Mishustina I.E. INMI, 4291. Received as: "*Bacillus filaris*" (Migula 1900) Krassilnikov 1949. Ex: water, Pacific Ocean, station 3795, depth 518 m, 05 58'0"N. lat., 186 27'7"W.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-241 <-- INMI, VKM B-241 <-- Mishustina I.E. INMI, 13. Received as: "*Bacillus idosus*" Burchard 1897. Ex: water, Central Arctica, Arctic Ocean, station SP-3, depth 300 m, 88 04'0"N. lat., 151 16'0"W. long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-242 <-- INMI, VKM B-242 <-- Mishustina I.E. INMI, 23 a. Received as: "*Bacillus idosus*" Burchard 1897. Ex: water, Central Arctica, Arctic Ocean, station SP-3, depth 2000 m, 88 04'0"N. lat., 151 16'0"E.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-243 <-- INMI, VKM B-243 <-- Mishustina I.E. INMI, 103. Received as: "*Bacillus idosus*" Burchard 1897. Ex: water, Central Arctica, Arctic Ocean, station SP-3, depth 0 m, 89 29'0"N. lat., 65 43'0"E.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-244 <-- INMI, VKM B-244 <-- Mishustina I.E. INMI, 126. Received as: "*Bacillus idosus*" Burchard 1897. Ex: water, station SP-3, Central Arctic, Arctic Ocean, depth 2000 m, 89 29'0"N.lat., 65 43'0"W.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-245 <-- INMI, VKM B-245 <-- Mishustina I.E. INMI, 1002. Received as: "*Bacillus idosus*" Burchard 1897. Ex: water, station 1, Greenland sea, depth 50 m, 78 04'0"N.lat, 09 48'0"E.long. (Medium 68, 28°C, F-1, S-4)

**Bacillus** sp.

B-365 <-- INMI, VKM B-365 <-- INMIA <-- VNIISHM, 62. Received as: "*Bacillus anthracoides*" Huppe and Wood 1889. (Medium 3, 30°C, F-1, F-4)

**Bacillus** sp.

B-368 <-- INMI, VKM B-368 <-- INMIA <-- CCEB, CCEB 393. (CCEB 393). Received as: "*Bacillus bombycis*" Macchiati 1891. (Medium 3, 30°C, F-1, S-4)

**Bacillus** sp.

B-430 <-- INMI, VKM B-430 <-- INMIA <-- TI 720. Received as: *Bacillus subtilis*. (Medium 5, 28°C, F-1, S-4)

**Bacillus** sp.

B-818 <-- INMI, VKM B-818 <-- KM MGU. Received as: "*Bacillus tumescens*" Zopf 1885. (Medium 3, 30°C, F-1, S-4)

**Bacillus** sp.

B-881 <-- INMI, VKM B-881 <-- Mishustin E.N. INMI. Received as: "*Bacillus longissimus*" Mishustin and Tepper 1938 Type. (Medium 3, 28°C, F-1, S-4)

**Bacillus** sp.

B-1069 <-- INMI, VKM B-1069 <-- Nadirova I.M, INMI. Ex: high mountain soil, Turkmenistan. (Medium 3, 30°C, F-1, S-4)

**Bacillus** sp.

B-1070 <-- INMI, VKM B-1070 <-- Nadirova I.M. INMI. Ex: high mountain soil, Turkmenistan. (Medium 3, 30°C, F-1, S-4)

**Bacillus** sp.

B-1391 <-- INMI, VKM B-1391 <-- Duda V.I. INMI. Received as: "*Bacillus filamentosus*". Type. Ex: turf-meadow soil, Ukraine, Odessa region. (Medium 3, 30°C, F-1, S-4)

**Bacillus** sp.

B-1574 <-- Vinogradov E.Ya., Leningrad Institute of Veterinary and Medicine. Received as: "*Bacillus mucilaginosus*" Krassilnikov 1949. (Medium 5, 37°C, F-1, S-4)

**Bacillus** sp.

B-1741 <-- Duda V.I. INMI, gb-1. Received as: "*Bacillus vesiculiferous*" Trinkunaite et al. Type. (Medium 5, 30°C, F-1)

**Bacillus subtilis** (Ehrenberg 1835) Cohn 1872

B-12 <-- INMI, VKM B-12 <-- Solntseva L.I. INMI, 86. Received as: "*Tyrothrix tenuis*" Duclaux 1889. (Medium 3, 29°C, F-1, S-3, S-4)

B-61 <-- INMI, VKM B-61 <-- Mirzoeva V.A. INMI, 16/1. Received as: "*Bacillus mesentericus*" Trevisan 1889. Ex: brown earth, Armenia. (Medium 3, 30°C, F-1, S-4)

B-62 <-- INMI, VKM B-62 <-- Mirzoeva V.A. INMI, 16/3. Received as: "*Bacillus mesentericus*" Trevisan 1889. Ex: brown earth, Armenia. (Medium 3, 30°C, F-1, S-4)

B-63 <-- INMI, VKM B-63 <-- Mirzoeva V.A. INMI, 52, slime-wrinkled variant. Received as: "*Bacillus mesentericus*" Trevisan 1889. Ex: saline soil. (Medium 5, 30°C, F-1, S-4)

B-64 <-- INMI, VKM B-64 <-- Mirzoeva B.A. INMI, 40/1. Received as: "*Bacillus mesenterius*" Trevisan 1889. Ex: wheat, *Triticum vulgare*. (Medium 5, 30°C, F-1, S-4)

B-65 <-- INMI, VKM B-65 <-- Mirzoeva V.A. INMI, 40/1 e. Received as: "*Bacillus mesentericus*" Trevisan 1889. Ex: wheat, *Triticum vulgare*. (Medium 5, 30°C, F-1, S-4)

B-66 <-- INMI, VKM B-66 <-- Mirzoeva V.A. INMI, UF. Received as: "*Bacillus mesentericus*" Trevisan 1889. Ex: Podzol soil fertilized with faeces. (Medium 3, 30°C, F-1, S-4)

B-69 <-- INMI, VKM B-69 <-- Mirzoeva V.A. INMI, 5x. Received as: "*Bacillus mesentericus*" Trevisan 1889. Ex: bread. (Medium 3, 30°C, F-1, S-4)

B-70 <-- INMI, VKM B-70 <-- Mirzoeva V.A. INMI, 16/4. Received as: "*Bacillus mesentericus*" Trevisan 1889. Ex: brown earth, Armenia. (Medium 5, 30°C, F-1, S-4)

B-71 <-- INMI, VKM B-71 <-- Mirzoeva V.A. INMI, DJ. Received as: "*Bacillus mesentericus*" Trevisan 1889. Ex: meadow saline soil, Azerbaijan. (Medium 5, 30°C, F-1, S-4)

B-74 <-- INMI, VKM B-74 <-- Mirzoeva V.A. INMI, DJ-2. Received as: "*Bacillus mesentericus*"

- Trevisan 1889. Ex: meadow saline soil. (Medium 5, 30°C, F-1, S-4)
- B-75 <-- INMI, VKM B-75 <-- Mirzoeva V.A. INMI, 16/1. Received as: "*Bacillus mesentericus*"  
Trevisan 1889. Ex: brown earth, Armenia. (Medium 5, 30°C, F-1, S-4)
- B-76 <-- INMI, VKM B-76 <-- Mirzoeva V.A. INMI, 8/1. Received as: "*Bacillus mesentericus*"  
Trevisan 1889. Ex: northern Podzol. (Medium 5, 30°C, F-1, S-4)
- B-81 <-- INMI, VKM B-81 <-- Mirzoeva V.A. INMI, 8/50. Received as: "*Bacillus mesentericus*"  
Trevisan 1889. Ex: Podzol. (Medium 5, 30°C, F-1, S-4) (1130)
- B-403 <-- INMI, VKM B-403 <-- INMIA. (IMV 2). Received as: "*Bacillus mesentericus*" Trevisan  
1889. (Medium 3, 30°C, F-1, S-4)
- B-404 <-- INMI, VKM B-404 <-- INMIA. (VNIISHM 5). Received as: "*Bacillus mesentericus*"  
Trevisan 1889. (Medium 3, 30°C, F-1, S-4)
- B-406 <-- INMI, VKM B-406 <-- INMIA, TI 1226. Received as: "*Bacillus mesentericus*" Trevisan  
1889. (Medium 3, 30°C, F-1, S-4)
- B-407 <-- INMI, VKM B-407 <-- INMIA, VNIISHM 13. Received as: "*Bacillus mesentericus*"  
Trevisan 1889. (Medium 3, 30°C, F-1, S-4)
- B-408 <-- INMI, VKM B-408 <-- INMIA, VNIISHM 6. Received as: "*Bacillus mesentericus*  
*vulgatus*" Flugge 1886. (Medium 3, 30°C, F-1, S-4)
- B-409 <-- INMI, VKM B-409 <-- INMIA, VNIISHM 7. Received as: "*Bacillus mesentericus*  
*vulgatus*" Flugge 1886. (Medium 3, 30°C, F-1, S-4)
- B-410 <-- INMI, VKM B-410 <-- INMIA, VNIISHM 8. Received as: "*Bacillus mesentericus*  
*vulgatus*" Flugge 1886. (Medium 3, 30°C, F-1, S-4)
- B-411 <-- INMI, VKM B-411 <-- INMIA, IEM AMS 66. Received as: "*Bacillus mesentericus*  
*vulgatus*" Flugge 1886. (Medium 3, 30°C, F-1, S-4)
- B-428 <-- INMI, VKM B-428 <-- INMIA, VNIISHM 33. (Medium 5, 30°C, F-1, S-4) (961, 1224,  
1251, 1420, 1519, 1624, 1628, 1714)
- B-436 <-- INMI, VKM B-436 <-- INMIA. (ATCC 9466; NRRL- 558; NCIB 8159; NCIMB 8159;  
CCM 1997; CIP 53.159; PCI 220; BUCSAV 170; Smith N.R., 1088). (Medium 3, 30°C,  
F-1, S-4)
- B-515 <-- INMI, VKM B-515 <-- INMIA. Received as: "*Bacillus mesentericus fuscus*" Flugge 1886.  
Ex: brown earth, Armenia. (Medium 3, 30°C, F-1, S-4)
- B-516 <-- INMI, VKM B-516 <-- INMIA. Received as: "*Bacillus mesentericus fuscus*" Flugge 1886.  
Ex: sierozem, Tadjikistan. (Medium 5, 30°C, F-1, S-4)
- B-517 <-- INMI, VKM B-517 <-- INMIA. Received as: "*Bacillus mesentericus fuscus*" Flugge 1886.  
Ex: brown earth, Armenia. (Medium 3, 30°C, F-1, S-4)
- B-518 <-- INMI, VKM B-518 <-- INMIA. Received as: "*Bacillus mesentericus fuscus*" Flugge 1886.  
Ex: brown earth, Azerbaijan. (Medium 5, 30°C, F-1, S-4)
- B-519 <-- INMI, VKM B-519 <-- INMIA. Received as: "*Bacillus mesentericus fuscus*" Flugge 1886.  
Ex: brown earth, Armenia. (Medium 5, 30°C, F-1, S-4)
- B-520 <-- INMI, VKM B-520 <-- INMIA. Received as: "*Bacillus mesentericus niger*" Lunt 1896. Ex:  
mountain black soil. (Medium 3, 30°C, F-1, S-4)
- B-521 <-- INMI, VKM B-521 <-- INMIA. Received as: "*Bacillus mesentericus vulgatus*" Flugge  
1886. Ex: brown earth, Armenia. (Medium 5, 30°C, F-1, S-4)
- B-522 <-- INMI, VKM B-522 <-- INMIA. Received as: "*Bacillus mesentericus vulgatus*" Flugge  
1886. Ex: sierozem, Azerbaijan. (Medium 5, 30°C, F-1, S-4)
- B-523 <-- INMI, VKM B-523 <-- INMIA. Received as: "*Bacillus mesentericus vulgatus*" Flugge  
1886. Ex: sierozem, Azerbaijan. (Medium 5, 30°C, F-1, S-4)
- B-524 <-- INMI, VKM B-524 <-- INMIA. Received as: "*Bacillus mesentericus vulgatus*" Flugge  
1886. Ex: brown earth, Azerbaijan. (Medium 5, 30°C, F-1, S-4)
- B-722 <-- INMI, VKM B-722 <-- NCIB, NCIB 8055. (NCIB 8055; ATCC 6461; CN 2192; Smith  
N.R. 275 "*Bacillus aterrimus*"). Received as: "*Bacillus subtilis* subsp. *aterrimus*" Smith et  
al. 1946. Ex: soil. (Medium 5, 30°C, F-1, S-4)
- B-759 <-- INMI, VKM B-759 <-- CCM, CCM 1457. Received as: "*Bacillus subtilis* subsp.  
*amyloliquefaciens*". (Medium 3, 30°C, F-1, S-4)
- B-760 <-- INMI, VKM B-760 <-- CCM, CCM 877. Received as: "*Bacillus subtilis* subsp. *aterrimus*"

Smith et al. 1946. (Medium 5, 30°C, F-1, S-4)  
 B-761 <-- INMI, VKM B-761 <-- CCM, CCM 116. (IFO 3214, NBRC 3214). Received as: "*Bacillus subtilis* subsp. *aterrimus*" Smith et al. 1946. (Medium 5, 30°C, F-1, S-4)  
 B-762 <-- INMI, VKM B-762 <-- CCM, CCM 110. (IFO 3108). Received as: "*Bacillus subtilis* subsp. *niger*" Smith et al. 1946. (Medium 3, 30°C, F-1)  
 B-764 <-- INMI, VKM B-764 <-- CCM, CCM 1721. Received as: "*Bacillus subtilis* subsp. *niger*" Smith et al. 1946. (Medium 3, 30°C, F-1, S-4)  
 B-886 <-- INMI, VKM B-886 <-- Loginova L.G. INMI, 110. (Medium 3, 37°C, F-1, S-4)  
 B-912 <-- INMI, VKM B-912 <-- INMIA. (BUCSAV 425). (Medium 3, 30°C, F-1, S-4)  
 B-913 <-- INMI, VKM B-913 <-- INMIA. (CIP 53.174, ATCC 8190, NCTC 2118). (Medium 3, 30°C, F-1, S-4)  
 B-914 <-- INMI, VKM B-914 <-- INMIA. (CIP 53.178, NCTC 2123). (Medium 3, 30°C, F-1, S-4)  
 B-917 <-- INMI, VKM B-917 <-- INMIA. (Medium 3, 30°C, F-1, S-4)  
 B-918 <-- INMI, VKM B-918 <-- INMIA. (CIP 61.6; ATCC 4529, 8013; 154 NCTC 2588; Smith N.R., 1004; Ford W.W., 3). (Medium 3, 30°C, F-1, S-4)  
 B-919 <-- INMI, VKM B-919 <-- INMIA. (Medium 3, 30°C, F-1, S-4)  
 B-920 <-- INMI, VKM B-920 <-- INMIA. (CIP 55.96). (Medium 5, 30°C, F-1, S-4)  
 B-921 <-- INMI, VKM B-921 <-- INMIA. (CIP 54.10, ATCC 9524). (Medium 3, 30°C, F-1, S-4)  
 B-922 <-- INMI, VKM B-922 <-- INMIA. (CIP 51.54). Received as: "*Bacillus subtilis* subsp. *aterrimus*" Smith et al. 1946. (Medium 3, 30°C, F-4, S-4)  
 B-1053 <-- INMI, VKM B-1053 <-- VNIISHM, 33. (Medium 3, 30°C, F-1, S-4)

***Bacillus subtilis* subsp. *spizizenii* Nakamura et al. 1999**

B-434 <-- INMI, VKM B-434 <-- INMIA. (ATCC 6633; NCIMB 8054; IFO 13270; PSI 219; WHO 9; Smith N.R., 231). Received as: *Bacillus subtilis*. (Medium 3, 30°C, F-1, S-4)  
 B-720 <-- INMI, VKM B-720 <-- NCIB, NCIB 8054 <-- Smith N.R., 231. (VKM B-434, B-916; NCIB 8054, 8566; NCIMB 8054, 8566; ATCC 6633; NCTC 10400; DSM 347; CNCM (CIP) 52.62; CCM 1999; WHO 9; IAM 1069; IFO 3134, 3513, 13720; JCM 2499; IMET 10880; BUCSAV 425; PZH 729/55; Smith N.R., 231). (Medium 5, 30°C, F-1, S-4)

***Bacillus subtilis* subsp. *subtilis* (Ehrenberg 1835) Cohn 1872**

B-501 Type <-- INMI, VKM B-501 <-- NCTC, NCTC 3610. (VKM B- 758, 919; ATCC 6051; NCIB 3610; NCIMB 3610; NCTC 3610; DSM 10; CCM 2216; CCEB 642; CNCM (CIP) 52.65; IAM 12118; IFO 13719; IMET 10758; JCM 1465; NCDO 1769; HNCMB 101020; Smith N.R., 744, 1315). (Medium 3, 30°C, F-1, S-4)  
 B-721 <-- INMI, VKM B-721 <-- NCIB, NCIB 8646. (NCIB 8646; NCIMB 8646; ATCC 12711; PRL B-92; McCoy, Ra). (Medium 5, 30°C, F-1, S-4)  
 B-915 <-- INMI, VKM B-915 <-- INMIA. (CNCM (CIP) 53.159; ATCC 9466; CCM 1997; NCIB 8159; NCIMB 8159; NRRL B-558; IAM 1026; Smith N.R., 1088). (Medium 3, 30°C, F-1, S-4)

***Bacillus thuringiensis* Berliner 1915**

B-82 <-- INMI, VKM B-82 <-- Talalae E.V. IGY, 49-2. Received as: "*Bacillus dendrolimus*" Talalae 1956. Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: dead caterpillars of Siberian silkworm, Russia. (Medium 3, 30°C, F-1, C-1, S-4) (88)  
 B-83 <-- INMI, VKM B-83 <-- Talalae E.V. IGY. Received as: "*Bacillus dendrolimus*" Talalae 1956. Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: dead caterpillars of Siberian silkworm. (Medium 3, 30°C, F-1, S-4)  
 B-84 <-- INMI, VKM B-84 <-- Talalae E.V. IGY. Received as: "*Bacillus dendrolimus*" Talalae 1956. Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: dead caterpillars of Siberian silkworm. (Medium 5, 30°C, F-1, S-4)  
 B-85 <-- INMI, VKM B-85 <-- Talalae E.V. IGY, 11, 49-2. Received as: "*Bacillus dendrolimus*" Talalae 1956. Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: dead caterpillars. (Medium 3, 30°C, F-1, S-4)

- B-387 <-- INMI, VKM B-387 <-- INMIA. (ATCC 19266; CCEB 306 *Bacillus dendrolimus*, CCEB 307). Received as: "*Bacillus dendrolimus*" Talalaev 1956 Type. Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: caterpillars of Siberian silkworm. (Medium 5, 30°C, F-1, S-4)
- B-388 <-- INMI, VKM B-388 <-- INMIA. (CCEB 458; ATCC 19268; NRS 1124). Received as: "*Bacillus entomocidus* subsp. *subtoxicus*" Heimpel and Angus 1958. Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: *Plodia interpunctella*. (Medium 5, 30°C, F-1, S-4)
- B-439 <-- INMI, VKM B-439 <-- INMIA. (CCEB-056; NRS 996; Steinhaus E.A, 0-3-33). Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: *Ephestia kuhniella*. (Medium 3, 30°C, F-1, S-4)
- B-440 <-- INMI, VKM B-440 <-- INMIA. (CCEB 058). Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: *Plodia interpunctella*. (Medium 3, 30°C, F-1, S-4)
- B-441 <-- INMI, VKM B-441 <-- INMIA, CCEB 059. (CCEB 059 mutant of strain CCEB 058). Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. (Medium 3, 30°C, F-1, S-4)
- B-443 <-- INMI, VKM B-443 <-- INMIA, CCEB 159. (CCEB 159 "*Bacillus cereus* var. *galleriae*"). Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: *Galleria mellonella*. (Medium 3, 30°C, F-1, S-4)
- B-444 <-- INMI, VKM B-444 <-- INMIA, CCEB 204. (CCEB 204). Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. (Medium 3, 30°C, F-1, S-4)
- B-446 <-- INMI, VKM B-446 <-- INMIA. (CCEB-206). Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. (Medium 3, 30°C, F-1, S-4)
- B-447 <-- INMI, VKM B-447 <-- INMIA. (CCEB 208). Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. (Medium 3, 30°C, F-1, S-4)
- B-450 <-- INMI, VKM B-450 <-- INMIA. (CCEB 390; Steinhaus E.A. 0-18-2 "*Bacillus ephistiae*"). Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. (Medium 3, 30°C, F-1, S-4)
- B-451 <-- INMI, VKM B-451 <-- INMIA. (CCEB 463; Schwetzova O.I. DS 2 *Bacillus* sp. VIZR). Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: *Authrea pernyi*. (Medium 3, 30°C, F-1, S-4)
- B-452 <-- INMI, VKM B-452 <-- INMIA. (CCEB 389 "*Bacillus thuringiensis ephestiae*"; Steinhaus E.A. 0-18-1). Received as: "*Bacillus thuringiensis* subsp. *ephestiae*" Heimpel and Angus 1958. Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: *Ephestia kuhniella*. (Medium 5, 30°C, F-1, S-4)
- B-453 <-- INMI, VKM B-453 <-- INMIA. (CCEB 461; ATCC 19270). Received as: "*Bacillus thuringiensis* var. *sotto*" Heimpel and Angus 1958. Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: silkworm, *Bombyx mori*. (Medium 3, 30°C, F-1, S-4)
- B-454 <-- INMI, VKM B-454 <-- INMIA, CCEB 457. (CCEB 457; NRC (NRCC) 996). Received as: "*Bacillus thuringiensis* var. *thuringiensis*" (Berliner 1915) Heimpel and Angus 1958. Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: *Ephestia kuhniella*. (Medium 3, 30°C, F-1, S-4)
- B-796 <-- INMI, VKM B-796 <-- CCEB, CCEB 057. (CCEB 057). Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. (Medium 3, 30°C, F-1, S-4)
- B-1544 <-- INMIA, 805. Received as: "*Bacillus thuringiensis* subsp. *caucasicus*". Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: silkworm, *Bombyx mori*, Georgia, Tbilisi. (Medium 3, 30°C, F-1, S-4) (627)
- B-1555 <-- IBPM, IBPM B-528 <-- INMIA, 737 <-- Steinhaus E.A., 57.1.1. (ATCC 19267; CCEB 459 "*Bacillus entomocidus* subsp. *entomocidus*"; NRS 1328; Steinhaus E.A. 57.1.1). Synonym: "*Bacillus cereus* var. *thuringiensis*" Smith et al. 1952. Ex: *Aphemia gularis*. (Medium 5, 30°C, F-1, S-5)

"*Bacillus thuringiensis* subsp. *finitimus*" de Barjac and Bonnetoi

B-1556 <-- IBPM, IBPM B-617 <-- Eroshin V.K. IBPM - - NRRL B-4308. (Medium 145, 30°C, F-1,

S-5)

**"*Bacillus thuringiensis* var. *thuringiensis*"** (Berliner 1915) Heimpel and Angus 1958  
B-1557 <-- IBPM, IBPM B-616 <-- Eroshin V.K. <-- NRRL B-4307. (Medium 145, 30°C, F-1, S-5)

***Bactoderma rosea*** (Winogradsky and Winogradsky 1933) Tepper and Korshunova 1973  
B-1344 Type <-- INMI, VKM B-1344 <-- Tepper E.Z. TA, 34. Synonym: "*Bactoderma rosea*"  
Winogradsky and Winogradsky 1933. Ex: selective medium 2-nd nitrification phase.  
(Medium 145, 30°C, F-1, S-4) (110, 1366)

B-1345 <-- INMI, VKM B-1345 <-- Tepper E.Z. TA, 39. Synonym: "*Bactoderma rosea*"  
Winogradsky and Winogradsky 1933. Ex: selective medium of 2-nd nitrification phase.  
(Medium 145, 30°C, F-1, S-4) (65)

***Blastobacter aggregatus*** Hirsch and Mueller 1986  
B-2061 Type <-- Doronina N.V. IBPM <-- IFAM, IFAM 1003. (ATCC 43295; DSM 1111; IFAM  
1003). Ex: surface lake water, Holstein, Germany. (Medium 220, 29°C, F-1).

***Blastobacter capsulatus*** Hirsch and Mueller 1986  
B-2063 Type <-- Doronina N.V. IBPM <-- IFAM, IFAM 1004. (ATCC 43294, DSM 1112, IFAM  
1004). Ex: water of eutrophic forest pond, Kiel, Germany. (Medium 220, 29°C, F-1)

***Blastobacter denitrificans*** Hirsch and Mueller 1986  
B-2062 Type <-- Doronina N.V. IBPM <-- IFAM, IFAM 1005. (ATCC 43295, DSM 1113, IFAM  
1005). Ex: surface lake water, Holstein, Germany. (Medium 220, 29°C, F-1).

***Brachybacterium conglomeratum*** (ex Migula 1900) Takeuchi et al. 1995  
Ac-1424 <-- Nesterenko O.A. IMV, NCIB 9859. (DSM 46339; IFO 15223; NCIMB 9859). Received  
as: *Arthrobacter* sp. Ex: poultry deep litter. (Medium 64, 28°C, F-1) (945, 1341, 2873)  
Ac-1975 Type <-- IFO, IFO 15472. (CCM 2589; CIP 104400; IFO 15472). Synonym: "*Micrococcus*  
*conglomeratus*" Migula 1900. (Medium 166, 28°C, F-1)(2873)

***Brachybacterium faecium*** Collins et al. 1988  
Ac-1423 Type <-- Nesterenko O.A. IMV, NCIB 9860. (ATCC 43885; DSM 4810; IFO 14762;  
NCIMB 9860). Received as: *Arthrobacter* sp. Ex: poultry deep litter. (Medium 64, 28°C,  
F-1) (945, 1341, 2873)

***Brachybacterium paraconglomeratum*** Takeuchi et al. 1995  
Ac-1425 Type <-- Nesterenko O.A. IMV, NCIB 9861. (VKM Ac-1977; ATCC 51843; CIP 103334;  
DSM 46341; IFO 15224; NCIMB 9861). Received as: *Arthrobacter* sp. Ex: poultry deep  
litter. (Medium 64, 28°C, F-1) (945, 1341, 2873)

***Brachybacterium rhamnosum*** Takeuchi et al. 1995  
Ac-1976 Type <-- IFO, IFO 15203. (ATCC 51844; CIP 104398; IFO 15203). Ex: corn steep liquor.  
(Medium 166, 28°C, F-1) (2873)

***Bradyrhizobium japonicum*** (Kirchner 1896) Jordan 1982  
B-99 <-- INMI, VKM B-99 <-- VNIISHM, 631. Received as: *Rhizobium japonicum*. Synonym:  
*Rhizobium japonicum* (Kirchner 1896) Buchanan 1926. Ex: soybean, *Glycine soja*.  
(Medium 72, 28°C, F-1, C-1, F-3)  
B-1020 <-- INMI, VKM B-1020 <-- VNIISHM, 649. Received as: *Rhizobium japonicum*. Synonym:  
*Rhizobium japonicum* (Kirchner 1896) Buchanan 1926. Ex: soybean, *Glycine soja*, Russia,  
Urals region. (Medium 161, 28°C, F-1, C-1, F-3)  
B-1021 <-- INMI, VKM B-1021 <-- VNIISHM, 601a. Received as: *Rhizobium japonicum*. Synonym:  
*Rhizobium japonicum* (Kirchner 1896) Buchanan 1926. Ex: soybean, *Glycine soja*, Russia,

- Pscov region. (Medium 161, 28°C, F-1, C-1, F-3) (1262, 1460, 1503, 1533)
- B-1022 <-- INMI, VKM B-1022 <-- VNIISHM, 609a. Received as: *Rhizobium japonicum*. Synonym: *Rhizobium japonicum* (Kirchner 1896) Buchanan 1926. Ex: soybean, *Glycine soja*, Georgia. (Medium 161, 28°C, F-1, C-1, F-3)
- B-1967 Type <-- DSM, DSM 30131. (ATCC 10324; DSM 30131; NCIMB 11477; Erdmann L.W., 311b6 (*Rhizobium japonicum*)). Synonym: *Rhizobium japonicum* (Kirchner 1896) Buchanan 1982 Type. Ex: soybean, *Glycine hispida*. (Medium 161, 28°C, F-1, C-1, F-3) (1366)

***Brevibacillus brevis*** (Migula 1900) Shida et al. 1996

- B-240 <-- INMI, VKM B-240 <-- Mishustina I.E. INMI, 4809. Received as: *Bacillus brevis*. Synonym: *Bacillus brevis* Migula 1900. Ex: water, Pacific Ocean, station 3838, depth 560 m, 41 18'2"S.lat., 177 40'3"E.long. (Medium 68, 28°C, F-1, S-4) (1367)
- B-487 <-- INMI, VKM B-487. Received as: *Bacillus brevis*. Synonym: *Bacillus brevis* Migula 1900. (Medium 3, 30°C, F-1, S-4) (1628)
- B-503 Type <-- INMI, VKM B-503 <-- NCTC, NCTC 2611. (ATCC 8246; NCIB 9372; CCM 2050; CCEB 624; PZH 737/55; DSM 30; CNCM (CIP) 52.86; NCTC 2611; Smith N.R., 604). Received as: *Bacillus brevis*. Synonym: *Bacillus brevis* Migula 1900 Type. (Medium 5, 30°C, F-1, S-4) (1366, 1628)
- B-677 <-- INMI, VKM B-677 <-- NCIB, NCIB 8146 <-- ATCC, ATCC 10068. (NCIB 8146; ATCC 10068). Received as: *Bacillus brevis*. Synonym: *Bacillus brevis* Migula 1900. (Medium 5, 30°C, F-1, S-4 )
- B-678 <-- INMI, VKM B-678 <-- Knaysi, 80 <-- CSIRO 661 "*Bacillus agri*". (NCIB 8803). Received as: *Bacillus brevis*. Synonym: *Bacillus brevis* Migula 1900. (Medium 5, 30°C, F-1, S-4)
- B-679 <-- INMI, VKM B-679 <-- NCIB, NCIB 8698 <-- BUCSAV, BU 448. (ATCC 11376; NCIB 8698 "*Bacillus thiaminolyticus*"; BUCSAV 448). Received as: *Bacillus brevis*. Synonym: *Bacillus brevis* Migula 1900. (Medium 5, 30°C, F-1, C- 1, S-4)
- B-726 <-- INMI, VKM B-726 <-- CCM, CCM 1089 <-- Smith N.R., 751 <-- Dubos R.Y., BG. (CCM 1089; ATCC 8185; NCIB 8598; NCDO 717; IAM 1031; IFO 3331; BUCSAV 153; DSM 362; BCRC 11047). Received as: *Bacillus brevis*. Synonym: *Bacillus brevis* Migula 1900. Ex: soil. (Medium 3, 30°C, F-1, C-1, S-4)
- B-727 <-- INMI, VKM B-727 <-- CCM, CCM 1463 <-- Gibson T., 108. (CCM 1463; NCIB 7577; NCTC 7577; NCDO 716; IFO 12374; BUCSAV 152; DSM 370; NCFB 716). Received as: *Bacillus brevis*. Synonym: *Bacillus brevis* Migula 1900. (Medium 5, 30°C, F-1, C- 1, S-4) (494)
- B-950 <-- INMI, VKM B-950 <-- INMIA. (CIP 5287). Received as: *Bacillus brevis*. Synonym: *Bacillus brevis* Migula 1900. (Medium 3, 30°C, F-1, C-1, S-4)
- B-952 <-- INMI, VKM B-952 <-- INMIA. (IFO 3331). Received as: *Bacillus brevis*. Synonym: *Bacillus brevis* Migula 1900. (Medium 3, 30°C, F-1, C-1, S-4)
- B-1722 <-- DSM, DSM 2895. (ATCC 9999; IFO 3864; NCIB 7096; NCTC 7096; DSM 2895). Received as: *Bacillus brevis*. Synonym: *Bacillus brevis* Migula 1900. (Medium 5, 30°C, F-1, C-1, S-4)

***Brevibacillus laterosporus*** (Laubach 1916) Shida et al. 1996

- B-499 Type <-- INMI, VKM B-499 <-- NCTC, NCTC 6357. (VKM B-694, 695, 696; NCTC 6357, 2613; DSM 25; ATCC 64, 4517, 8248; NCIB 8213, 9367; AMC 797; AMNH 797; Ford W.W.,29; Smith N.R., 314, 340, 347, 882). Received as: *Bacillus laterosporus*. Synonym: *Bacillus laterosporus* Laubach 1916 Type. (Medium 5, 30°C, F-1, S-4) (1366)
- B-736 <-- INMI, VKM B-736 <-- CCM, CCM 831 <-- Smith N.R., 661 <-- Gordon R.E., 661 <-- Lochhead A., *Bacillus orpheus*. (CCM 831; ATCC 6456; CNCM CIP 52.85; PZH 822/55; Smith N.R. 661). Received as: *Bacillus laterosporus*. Synonym: *Bacillus laterosporus* Laubach 1916. (Medium 3, 30°C, F-1, S-4) (167)
- B-737 <-- INMI, VKM B-737 <-- CCM, CCM 1612 <-- Hamleton J., 20485-2 ("*Bacillus orpheus*"). (CCM 1612; ATCC 9141; CNCM (CIP) 51.31; CN 2197; Smith N.R., 682). Received as:

- Bacillus laterosporus*. Synonym: *Bacillus laterosporus* Laubach 1916. (Medium 3, 30°C, F-1, S-4) (167)
- B-738 <-- INMI, VKM B-738 <-- CCM, CCM 1628. (CCM 1628). Received as: *Bacillus laterosporus*. Synonym: *Bacillus laterosporus* Laubach 1916. (Medium 5, 30°C, F-1, S-4)
- B-795 <-- INMI, VKM B-795 <-- CCEB, CCEB 342. (CCEB 342). Received as: *Bacillus laterosporus*. Synonym: *Bacillus laterosporus* Laubach 1916. (Medium 5, 30°C, F-1, S-4)
- B-955 <-- INMI, VKM B-955 <-- INMIA. (CIP 5131). Received as: *Bacillus laterosporus*. Synonym: *Bacillus laterosporus* Laubach 1916. (Medium 5, 30°C, F-1, S-4)
- B-959 <-- INMI, VKM B-959 <-- INMIA. (CIP 5285). Received as: *Bacillus laterosporus*. Synonym: *Bacillus laterosporus* Laubach 1916. (Medium 5, 30°C, F-1, S-4)
- B-1968 <-- Zvyagintseva I.S. INMI. Received as: "*Bacillus laterosporus* var.*halophilus*". Synonym: *Bacillus laterosporus* Laubach 1916. (Medium 219, 30°C, F-1, S-4)

***Brevibacterium antiquum*** Gavrish et al. 2005

- Ac-2118 Type <-- Karasev S.A. IBPM, PF66 (DSM 21545; JCM 13317; LMG 22206; UCM Ac-411).  
Ex: permafrost sediments, Kolyma louland, Russia. (Medium 166, 28°C, F-1)

***Brevibacterium aurantiacum*** Gavrish et al. 2005

- Ac-2110 <-- IFO, IFO 12170. (ATCC 9174; IAM 1901; IFO 12170; JCM 20298; NCIMB 9910).  
Received as: *Brevibacterium linens* (Wolf 1910) Breed 1953. (Medium 166, 28°C, F-1)
- Ac-2111 Type <-- IFO, IFO 12171. (ATCC 9175; BCRC 10379; DSM 20426; IAM 1902; IFO 12171;  
JCM 2590; KCTC 3084; LMG 22546; NCIMB 8546). Received as: *Brevibacterium linens*  
(Wolf 1910) Breed 1953 Ex: Camembert cheese. (Medium 166, 28°C, F-1)

***Brevibacterium casei*** Collins et al. 1983

- Ac-2114 Type <-- IFO, IFO 14812. (ATCC 35513; BCRC 12214; CCM 4100; CIP 102111; DSM  
20657; IFO 14812; JCM 2594; KCTC 3082, 3085; NCIMB 702048). Ex: cheddar cheese.  
(Medium 166, 28°C, F-1)
- Ac-2115 <-- IFO, IFO 15228. (IFO 15228; JCM 2595; KCTC 3086; NCIMB 702049) Ex: cheddar  
cheese. (Medium 166, 28°C, F-1)

***Brevibacterium epidermidis*** Collins et al. 1983

- Ac-2108 Type <-- IFO, IFO 14811. ( ATCC 35514; BCRC 12215; CCM 4098; CIP 102110; DSM  
20660; IFO 14811; JCM 2593; KCTC 3090; NCIMB 702286). Ex: human skin. (Medium  
166, 28°C, F-1)
- Ac-2109 <-- IFO, IFO 15229. (ATCC 49089; CCM 4099; DSM 20659; IFO 15229; JCM 2592;  
KCTC 3089; NCIMB 702285; NCTC 11084). Ex: human skin. (Medium 166, 28°C, F-1)

***Brevibacterium iodinum*** (ex David 1939) Collins et al. 1981

- Ac-2106 Type <-- IFO, IFO 15230. (ATCC 49514; BCRC 12216; DSM 20626; IFO 15230; JCM  
2591; KCTC 3083; NCIMB 700613). Synonym: "*Chromobacterium iodinum*" David 1939.  
Ex: milk, UK. (Medium 166, 28°C, F-1)
- Ac-2107 <-- IFO, IFO 3558. (IFO 3558; NRRL B-141). Former name: "*Chromobacterium iodinum*"  
David 1939. (Medium 166, 28°C, F-1)

***Brevibacterium linens*** (Wolff 1910) Breed 1953

- Ac-2112 Type <-- IFO, IFO 12142. (ATCC 9172; BCRC 10631; CIP 101125; DSM 20425; IAM  
12437; IFO 12142; JCM 1327; NCIMB 9909).Synonym: " *Bacterium linens*" Wolff 1910.  
Ex: good Harzerkase cheese, Kiel, Germany. (Medium 166, 28°C, F-1) (1366)
- Ac-2113 <-- IFO, IFO 12141. (ATCC 8377; BCRC 11884; IAM 12436; IFO 12141; JCM 1328;  
NCIMB 11437). Ex: manufacture of Brie cheese. (Medium 166, 28°C, F-1)
- Ac-2159 <-- VKM, VKM B-1209 <-- INMI, VKM B-1209 <-- IBPM, B-133 <-- CCM, CCM 1924.  
(Medium 166, 28°C, F-1, C-1, F-3)

***Brevibacterium permense*** Gavrish et al. 2005

Ac-2280 Type <-- Plotnikova E.G. IMG, P4 (DSM 21546; JCM 13318; LMG 22207; UCM Ac-413).  
Ex: soil near saltern, Perm, Russia. (Medium 166, 28°C, F-1)

***Brevibacterium*** sp.

Ac-2119 <-- Gavrish E. IBPM, GK2. Ex: soil of rice field, Krasnodar region, Russia. (Medium 166, 28°C, F-1)

***Brevibacterium*** sp.

Ac-2120 <-- Gavrish E. IBPM, GK3. Ex: soil of rice field, Krasnodar region, Russia. (Medium 166, 28°C, F-1)

***Brevibacterium stationis*** (ZoBell and Upham 1944) Breed 1953

Ac-2184 Type <-- VKM, VKM B-1228 <-- INMI, VKM B-1228 <-- CCM, CCM 317. (ATCC 14403; BCRC 11885; CCM 317; CIP 104228; DSM 20302; IFO 12144; JCM 11611). Synonym: "*Achromobacter stationis*" ZoBell and Upham 1944. Ex: sea water. (Medium 5, 28°C, F-1, C-1, F-3) (1165, 1366)

***Brevundimonas aurantiaca*** (ex Poindexter 1964) Abraham et al. 1999

B-1185 <-- INMI, VKM B-1185 <-- IBPM, IBPM BC-6 <-- Belyaev S.S. IBPM, 6 <-- Zavarzin G.A. INMI. Received as: *Caulobacter henricii* subsp. *aurantiacus*. Synonym: "*Caulobacter henricii* subsp. *aurantiacus*" Poindexter 1964. Ex: contamination of culture *Chlorella*, USSR. (Medium 55, 29°C, F-1, S-5, S-4) (56, 94, 1185, 1495)

***Brevundimonas bacteroides*** (Poindexter 1964) Abraham et al. 1999

B-1500 Type <-- Andreev L.B. IBPM, CB 7 <-- Poindexter J.S. PHRI, CB 7. (ATCC 15254; CCUG 45021, 48877; CIP 101031; DSM 4726; LMG 15096). Received as: *Caulobacter bacteroides*. Synonym: *Caulobacter bacteroides* Poindexter 1964 Type. Ex: lake water, USA, California. (Medium 55, 29°C, F-1, S-5, S-4) (1351, 1366)

B-1501 <-- Andreev L.V. IBPM, CB 11a <-- Poindexter J.S. PHRI, CB 11a. (ATCC 19090; NCIB 9790; NCIMB 9790). Received as: *Caulobacter bacteroides*. Synonym: *Caulobacter bacteroides* Poindexter 1964. Ex: pond water, USA, California. (Medium 55, 29°C, F-1, S-5, S-4) (1351)

B-1560 <-- IBPM, IBPM BC-107 <-- Belyaev S.S. IBPM, 107. Received as: "*Caulobacter bacteroides* subsp. *creteus*" Krassilnikov and Belyaev 1973. Synonym: *Caulobacter bacteroides* Poindexter 1964. Ex: chestnut soil, Russia, Saratov region. (Medium 55, 30°C, F-2, S-5, S-4) (56)

B-1561 <-- IBPM, IBPM BC-112 <-- Belyaev S.S. IBPM, 112. Received as: "*Caulobacter bacteroides* subsp. *creteus*" Krassilnikov and Belyaev 1973. Synonym: *Caulobacter bacteroides* Poindexter 1964. Ex: chestnut soil, Russia, Saratov region. (Medium 55, 30°C, F-1, S-5, S-4) (56)

B-1562 <-- IBPM, IBPM BC-17 <-- Belyaev S.S. IBPM, 17. Received as: "*Caulobacter bacteroides* subsp. *modicus*" Krassilnikov and Belyaev 1973. Synonym: *Caulobacter bacteroides* Poindexter 1964. Ex: brown forest soil, Ukraine, mountain region of Crimea. (Medium 55, 30°C, F-2, S-5, S-4) (56)

***Brevundimonas diminuta*** (Leifson and Hugh 1954) Segers et al. 1994

B-969 <-- INMI, VKM B-893 <-- Solntseva L.I. INMI, 501. Received as: *Pseudomonas diminuta*. Synonym: *Pseudomonas diminuta* Leifson and Hugh 1954. (Medium 5, 28°C, F-1, C-1, F-3)

B-1297 Type <-- INMI, VKM B-1297 <-- Lysenko O. CCEB, CCEB 513. (VKM B-893; ATCC 11568; CCM 2657; CCEB 513, 516; NCIB 9393; NCIMB 9393; NCTC 8545; CCUG 1427; BCRC 11894; IAM 1513; IFO 12697; JCM 2788; IMET 10409; NRRL B-1496; AJ 2067; CIP 63.27). Received as: *Pseudomonas diminuta*. Synonym: *Pseudomonas diminuta*

Leifson and Hugh 1954 Type. Ex: water. (Medium 5, 28°C, F-1, C-1, F-3) (495, 504, 1157, 1366)

***Brevundimonas intermedia*** (Poindexter 1964) Abraham et al. 1999

B-1499 Type <-- Andreev L.V. IBPM, CB 63 <-- Poindexter J.S. PHRI, CB 63. (ATCC 15262; CCUG 45022; CIP 106444; DSM 4732). Received as: *Caulobacter intermedius*. Synonym: *Caulobacter intermedius* Poindexter 1964. Ex: pond water, USA, California. (Medium 55, 29°C, F-1, S-5, S-4) (1351, 1366)

***Brevundimonas subvibrioides*** (Poindexter 1964) Abraham et al. 1999

B-1180 <-- INMI, VKM B-1180 <-- IBPM, IBPM BC-10 <-- Belyaev S.S. IBPM, 10. Received as: "*Caulobacter bacteroides* subsp. *modicus*" Krassilnikov and Belyaev 1973. Synonym: *Caulobacter subvibrioides* Poindexter 1964. Ex: brown forest soil, Ukraine, mountain region of Crimea. (Medium 55, 29°C, F-1, S-5, S-4) (56)

B-1187 <-- INMI, VKM B-1187 <-- IBPM, IBPM BC-18 <-- Belyaev S.S. IBPM, 18. Received as: "*Caulobacter metschnikovii*" Krassilnikov and Belyaev 1973. Synonym: *Caulobacter subvibrioides* Poindexter 1964. Ex: brown soil, Ukraine, mountain region of Crimea. (Medium 55, 29°C, F-1, S-5, S-4) (56)

B-1188 <-- INMI, VKM B-1188 <-- IBPM, IBPM BC-23 <-- Belyaev S.S. IBPM, 23. Received as: "*Caulobacter robiginosus*" Krassilnikov and Belyaev 1973. Synonym: *Caulobacter subvibrioides* Poindexter 1964. Ex: lake water, BBS, Russia, Murmansk region. (Medium 55, 29°C, F-1, S-5, S-4) (56)

B-1489 <-- IBPM, IBPM BC-20 <-- Belyaev S.S. IBPM, 20. Received as: "*Caulobacter metschnikovii*" Krassilnikov and Belyaev 1973. Synonym: *Caulobacter subvibrioides* Poindexter 1964. Ex: brown soil, Ukraine, mountain region of Crimea. (Medium 55, 29°C, F-1, S-5, S-4) (56)

B-1503 Type <-- Andreev L.V. IBPM, CB 81 <-- Poindexter J.S. PHRI, CB 81. (ATCC 15264; DSM 4735; CCUG 48879; CIP 106453; IFO (now NBRC) 16000; LMG 14903). Received as: *Caulobacter subvibrioides*. Synonym: *Caulobacter subvibrioides* Poindexter 1964 Type. Ex: pond water, USA, California. (Medium 55, 29°C, S-5, S-4) (1351, 1366)

B-1504 <-- Andreev L.V. IBPM, CB 66 Type 1 <-- Poindexter J.S. PHRI, CB 66 Type 1. (ATCC 15263 (*Caulobacter* sp.)). Received as: *Caulobacter* sp. Synonym: *Caulobacter subvibrioides* Poindexter 1964. Ex: pond water, USA, California. (Medium 55, 29°C, F-1, S-5, S-4)

B-1563 <-- IBPM, IBPM BC-35 <-- Belyaev S.S. IBPM, 35. Received as: *Caulobacter subvibrioides*. Synonym: *Caulobacter subvibrioides* Poindexter 1964. Ex: turf-gley soil, ABS "Chashnikovo", Russia, Moscow region. (Medium 55, 30°C, F-1, S-5, S-4) (56)

***Brevundimonas variabilis*** (Poindexter 1989) Abraham et al. 1999

B-1192 <-- INMI, VKM B-1192 <-- IBPM, IBPM BC-5 <-- Belyaev S.S. IBPM, 5. Received as: "*Caulobacter variabilis* subsp. *albus*" Krassilnikov and Belyaev 1973. Synonym: *Caulobacter variabilis* (ex Poindexter 1964) Poindexter 1989. Ex: turf Podzol, ABS "Chashnikovo", Russia, Moscow region. (Medium 55, 29°C, F-1, S-5, S-4) (56, 1318)

***Brevundimonas vesicularis*** (Busing et al. 1953) Segers et al. 1994

B-974 Type <-- INMI, VKM B-974 <-- Solntseva L.I. INMI, 500 <-- Stanier R. Y., 500. (ATCC 11426; NCTC 10900; CCM 3398; CCEB 857; IAM 12105; IFO 12165; JCM 1477; CCUG 23931, 2032; BCRC 11012; CECT 327; NCIMB 1945; CIP 101035). Received as: *Pseudomonas vesicularis*. Synonym: *Pseudomonas vesicularis* (Büsing et al. 1953) Galarneault and Leifson 1964 Type. Ex: leech, *Hirudo medicinalis*. (Medium 5, 28°C, F-1, C-1, F-3) (262, 1366)

***Burkholderia gladioli*** (Severini 1913) Yabuuchi et al. 1993

B-1298 <-- INMI, VKM B-1298 <-- CCEB, CCEB 862. (ATCC 10248; CCUG 1782; CFBP 2427;

CIP 105410; DSM 4285; HAMBI 2157; ICMP 3950; IFO (now NBRC) 13700; JCM 9311; LMG 2216; NCCB 38018; NCPPB 1891; NCTC 12378; NRRL B-793). Received as: "*Pseudomonas marginata*". Synonym: *Pseudomonas gladioli* Severini 1913. (Medium 5, 28°C, F-1, C-1, F-3)

***Caldithrix abyssi*** Miroshnichenko et al. 2003

B-2286 Type <-- Bonch-Osmolovskaya E. A., INMI, LF13 (LF13; DSM 13497). Ex: a deep-sea hydrothermal chimney sample, collected at a vent site at 14° 45' N, 44° 59' W on the Mid-Atlantic Ridge. (Medium 230, 60°C, S-2)

***Carbophilus carboxidus*** (ex Nozhevnikova and Zavarzin 1974) Meyer et al. 1994

B-1332 Type <-- INMI, VKM B-1332 <-- Zavarzin G.A. INMI, Z-1171. (ATCC 51424; DSM 1086). Received as: "*Achromobacter carboxydus*". Synonym: "*Achromobacter carboxydus*" Nozhevnikova and Zavarzin 1974, "*Alcaligenes carboxydus*" (Nozhevnikova and Zavarzin 1974) Cypionka et al. 1980. Ex: soil of creek bank, "Neskuchny Sad", Russia, Moscow. (Medium 94, 28°C, F-1, C-1, F-3) (677)

***Carboxydocella sporoproducens*** Slepova et al. 2006.

B-2358 Type <-- Bonch-Osmolovskaya E. A., INMI, Kar. (Kar; DSM 16521). Ex: a hot spring at a depth of 4–6 m in the Tokarev Crater of the volcanic Lake Karymskoe, Kamchatka Peninsula, Russia. (Medium: 231, 60°C, F-2)

***Carboxydotherrnus ferrireducens*** (Slobodkin et al. 1997) Slobodkin et al. 2006

B-2392 Type <-- Slobodkin A.I., INMI, JW/AS-Y7 (JW/AS-Y7; DSM 11255). Received as: *Thermoterrabacterium ferrireducens*. Synonym: *Thermoterrabacterium ferrireducens* Slobodkin et al. 1997 Type. Hot spring; USA, Yellowstone National Park, Calcite Spring area (Slobodkin et al. 1997). (Medium 232, 65°C, F-2)

***Caryophanon latum*** Peshkoff 1939

B-105 Type <-- INMI, VKM B-105 <-- Peshkoff M.A. IMZh, aa. (NCIB (now NCIMB) 9533; LMG 17312; ATCC 33407). Ex: cow dung. (Medium 101, 30°C, F-1, S-5) (1366)

B-852 <-- INMI, VKM B-852 <-- Peshkoff M.A. IMZh, suis 1. Ex: cow dung, Borovichy. (Medium 101, 30°C, F-1, S-5)

***Caryophanon tenue*** (Peshkoff 1939) Trentini 1988

B-106 Type <-- INMI, VKM B-106 <-- Peshkoff M.A. IMZh, 6. (NCIB (now NCIMB) 9535; ATCC 33098). Ex: cow dung. (Medium 101, 30°C, F-1, S-5) (292, 420)

***Catellatospora citrea*** Asano and Kawamoto 1986

Ac-1421 Type <-- IFO, IFO 14495. (ATCC 49964; CIP 107011; DSM 44097; IFO 14495; JCM 7542; NRRL B-16429). Ex: woodland soil, Itsukaichi-shi, Japan, Tokyo. (Medium 191, 28°C, F-1) (1340)

***Catellatospora methionotrophica*** (Asano and Kawamoto 1988) Ara and Kudo 2006

Ac-2008 Type <-- JCM, JCM 7543. (ATCC 49965; CIP 107012; DSM44098; IFO 14553; JCM 7543; NRRL B-16431). Synonym: *Catellatospora citrea* subsp. *methionotrophica* Asano and Kawamoto 1986 Type. Ex: woodland soil, Japan. (Medium 184, 28°C, F-1) (3305)

***Catellatospora*** sp.

Ac-1471 <-- Zgurskaya H.I. IBPM, P-31. Ex: soil, tropic island. (Medium 166, 28°C, F-1)

***Catenuloplanes atrovinosus*** Tamura et al. 1995

Ac-1972 Type <-- JCM, JCM 9535. (ATCC 700015; DSM 44707; IFO 15579; JCM 9535). Ex: soil, India. (Medium 191, 28°C, F-1) (3307)

***Catenuloplanes castaneus*** Tamura et al. 1995

Ac-1973 Type <-- JCM, JCM 9537. (ATCC 700016; DSM 44708; IFO 15584; JCM 9537). Ex: soil, India. (Medium 191, 28°C, F-1) (3307)

***Catenuloplanes crispus*** (Petrolini et al. 1993) Kudo et al. 1999

Ac-1992 Type <-- JCM, JCM 9312. (ATCC 51431; DSM 44128; IFO 15622; JCM 9312). Synonym: *Planopolyspora crispa* Petrolini et al. 1993 Type. Ex: leaf litter of *Prunus persica*. (Medium 225, 28°C, F-1) (3320, 3349)

***Catenuloplanes indicus*** Tamura et al. 1995

Ac-1999 Type <-- JCM, JCM 9534. (ATCC 700014; DSM 44709; IFO 15575; JCM 9534). Ex: soil, India. (Medium 191, 28°C, F-1) (3307)

***Catenuloplanes japonicus*** Yokota et al. 1993

Ac-875 Type <-- Kusaka T., IFO 14176. (ATCC 31637, DSM 44102; IFO 14176; JCM 9106). Ex: soil. (Medium 64, 28°C, F-1, C-1)

***Catenuloplanes nepalensis*** Tamura et al. 1995

Ac-1996 Type <-- JCM, JCM 9536. (ATCC 700017; DSM 44710; IFO 15583; JCM 9536). Ex: soil, Nepal. (Medium 191, 28°C, F-1) (3307)

***Catenuloplanes niger*** Tamura et al. 1995

Ac-1964 Type <-- JCM, JCM 9533. (ATCC 31638; DSM 44711; IFO 14177; JCM 9533). Ex: soil, India. (Medium 8, 28°C, F-1) (3307)

***Caulobacter bacteroides*** Poindexter 1964

B-1176 <-- INMI, VKM B-1176 <-- IBPM, IBPM BC-4 <-- Belyaev S.S. IBPM, 4. Ex: pond water, Russia, Yaroslavl region, Borok. (Medium 55, 29°C, F-1, S-5, S-4) (56, 1127, 1318)

B-1177 <-- INMI, VKM B-1177 <-- IBPM, IBPM BC-19 <-- Belyaev S.S. IBPM, 19. Ex: brown forest soil, Ukraine, mountain region of Crimea. (Medium 55, 29°C, F-1, S-5, S-4) (56)

B-1178 <-- INMI, VKM B-1178 <-- IBPM, IBPM BC-26 <-- Belyaev S.S. IBPM, 26. Ex: sphagnopratum, BBS, Russia, Murmansk region. (Medium 55, 29°C, F-1, S-5, S-4) (56)

B-1179 <-- INMI, VKM B-1179 <-- IBPM, IBPM BC-101 <-- Belyaev S.S. IBPM, 101. Received as: "*Caulobacter bacteroides* subsp. *creteus*" Krassilnikov and Belyaev 1973. Ex: chestnut soil, Russia, Saratov region. (Medium 55, 29°C, F-2, S-5, S-4) (56)

B-1183 <-- INMI, VKM B-1183 <-- IBPM, IBPM BC-25 <-- Belyaev S.S. IBPM, 25. Received as: *Caulobacter fusiformis*. Ex: freshwater lake, BBS, Russia, Murmansk region. (Medium 55, 29°C, F-1, S-5, S-4) (56)

***Caulobacter fusiformis*** Poindexter 1964

B-1502 Type <-- Andreev L.V. IBPM, CB 27 <-- Poindexter J.S. PHRI, CB 27. (ATCC 15257; NCIB 9788; NCIB 9788). Ex: pond water, USA, California. (Medium 55, 29°C, S-5, S-4) (1351, 1366)

***Caulobacter henricii*** Poindexter 1964

B-1190 <-- INMI, VKM B-1190 <-- IBPM, IBPM BC-44 <-- Belyaev S.S. IBPM, 44. Received as: "*Caulobacter rutilus*" Krassilnikov and Belyaev 1973. Ex: lake water, BBS, Russia, Murmansk region. (Medium 55, 29°C, F-1, S-5, S-4) (56, 1318)

B-1495 Type <-- Andreev L.V. IBPM, CB 4 <-- Poindexter J.S. PHRI, CB 4. (ATCC 15253; CCUG 49339; CIP 106446; DSM 4730; LMG 18392). Ex: pond water, USA, California. (Medium 55, 29°C, S-5, S-4) (1351, 1366)

***Caulobacter leidy*** Poindexter 1964

B-1368 Type <-- INMI, VKM B-1368 <-- Poindexter J.S. PHRI, CB 37. (ATCC 15260; CCUG 49339; CIP 106446; DSM 4730; LMG 18392). Ex: millipede hind gut, USA, California. (Medium 55, 29°C, F-2, S-5, S-4) (541, 1351, 1366)

B-1486 <-- IBPM, IBPM BC-15 <-- Belyaev S.S. IBPM, 15. Received as: "*Caulobacter bacteroides* subsp. *modicus*" Krassilnikov and Belyaev 1973. Ex: brown forest soil, Ukraine, mountain region of Crimea. (Medium 55, 29°C, F-1, S-5, S-4) (56)

***Caulobacter*** sp.

B-1181 <-- INMI, VKM B-1181 <-- IBPM, IBPM BC-2 <-- Belyaev S.S. IBPM, 2. Received as: "*Caulobacter flexibilis*" Krassilnikov and Belyaev 1973. Ex: reservoir water, Russia, Volgograd. (Medium 55, 29°C, F-2, S-5, S-4) (56)

***Caulobacter*** sp.

B-1182 <-- INMI, VKM B-1182 <-- IBPM, IBPM BC-22 <-- Belyaev S.S. IBPM, 22. Received as: "*Caulobacter fulvus*" Krassilnikov and Belyaev 1973. Ex: fresh lake water, Russia, Murmansk region. (Medium 55, 29°C, F-1, S-5, S-4) (56)

***Caulobacter*** sp.

B-1184 <-- INMI, VKM B-1184 <-- IBPM, IBPM BC-131 <-- Belyaev S.S. IBPM, 131. Received as: "*Caulobacter glutinosus*" Krassilnikov and Belyaev 1973. Ex: chestnut soil, Russia, Saratov region. (Medium 55, 29°C, F-2, S-5, S-4) (56)

***Caulobacter*** sp.

B-1186 <-- INMI, VKM B-1186 <-- IBPM BC-48 <-- Belyaev S.S. IBhM, 48. Received as: "*Caulobacter kusnezovii*" Krassilnikov and Belyaev 1973. Ex: lake water, BBS, Russia, Murmansk region. (Medium 55, 29°C, F-1, S-5, S-4 ) (56)

***Caulobacter*** sp.

B-1189 <-- INMI, VKM B-1189 <-- IBPM, IBPM BC-1 <-- Belyaev S.S. IBPM, 1. Received as: "*Caulobacter rossi*" Krassilnikov and Belyaev 1973. Ex: water, Russia, Kuibyshev reservoir. (Medium 55, 29°C, F-1, S-5, S-4) (56)

***Caulobacter*** sp.

B-1487 <-- IBPM, IBPM BC-3 <-- Belyaev S.S. IBPM, 3. Received as: "*Caulobacter flexibilis*" Krassilnikov and Belyaev 1973. Ex: water, Russia, Volga river, Kuibyshev. (Medium 55, 29°C, F-2, S-5, S-4) (56)

***Caulobacter*** sp.

B-1488 <-- IBPM, IBPM BC-140 <-- Belyaev S.S. IBPM, 140. Received as: "*Caulobacter glutinosus*" Krassilnikov and Belyaev 1973. Ex: chestnut soil, Russia, Saratov region. (Medium 55, 29°C, F-1, S-5, S-4) (56)

***Caulobacter*** sp.

B-1505 <-- Andreev L.V. IBPM, CB 26 Type 2 <-- Poindexter J.S. PHRI, CB 26 Type 2. (ATCC 15256). Ex: pond water, USA, California. (Medium 55, 29°C, F-1, S-5, S-4) (1351)

***Caulobacter*** sp.

B-1506 <-- Andreev L.V. IBPM, CB 35 Type 4 <-- Poindexter J.S. PHRI, CB 35 Type 4. (ATCC 15259). Ex: pond water, USA, California. (Medium 55, 29°C, F-1, S-5, S-4) (1351)

***Caulobacter*** sp.

B-1507 <-- Andreev L.V. IBPM, CB 28 Type 5 <-- Poindexter J.S. PHRI, CB 28 Type 5. (ATCC 15258). Ex: pond water, USA, California. (Medium 55, 29°C, F-1, S-5, S-4) (541, 1351)

***Caulobacter* sp.**

B-1508 <-- Andreev L.V. IBPM, CB 258 <-- Poindexter J.S. PHRI, CB 258. (Medium 55, 29°C, F-1, S-5, S-4)

***Caulobacter* sp.**

B-1509 <-- Andreev L.V. IBPM, CB 104 E <-- Poindexter J.S. PHRI, CB 104 E. (Medium 55, 29°C, F-1, S-5, S-4)

***Caulobacter* sp.**

B-1810 <-- ATCC 15267 <-- Stove J.L., KA 5 Type 3. (ATCC 15267). Ex: pond and tap-water mixture, USA, California. (Medium 55, 28°C, F-1, S-5, S-4) (1351)

***Caulobacter vibrioides* Henrici and Johnson 1935**

B-1193 <-- INMI, VKM B-1193 <-- IBPM, IBPM BC-13 <-- Belyaev S.S. IBPM, 13. Synonym: *Caulobacter crescentus* Poindexter 1964. Ex: red soil, Ukraine, mountain region of Crimea. (Medium 55, 29 C, F-1, S-5, S-4) (56)

B-1194 <-- INMI, VKM B-1194 <-- IBPM, IBPM BC-87 <-- Belyaev S.S. IBPM, 87. Received as: "*Caulobacter vibrioides* subsp. *limonus*" Poindexter 1964. Synonym: *Caulobacter crescentus* Poindexter 1964. Ex: turf-gley soil, ABS "Chashnikovo", Russia, Moscow region. (Medium 55, 29 C, F-2, S-5, S-4) (56, 1134, 1127)

B-1195 <-- INMI, VKM B-1195 <-- IBPM, IBPM BC-45 <-- Belyaev S.S. IBPM, 45. Received as: "*Caulobacter vibrioides* subsp. *luridus*" Krassilnikov et Belyaev 1973. Synonym: *Caulobacter crescentus* Poindexter 1964. Ex: freshwater lake, BBS, Russia, Murmansk region. (Medium 55, 29 C, F-1, S-5, S-4) (56)

B-1369 <-- INMI, VKM B-1369 <-- Poindexter J.S. PHRI, CB 15. (ATCC 19089; NCIMB 9789). Received as: *Caulobacter crescentus*. Synonym: *Caulobacter crescentus* Poindexter 1964. Ex: pond water, USA, California. (Medium 55, 29°C, F-1, S-5, S-4) (541, 1134, 1351)

B-1490 <-- IBPM, IBPM BC-88 <-- Belyaev S.S. IBPM, 88. Received as: "*Caulobacter vibrioides* subsp. *luridus*" Krassilnikov et Belyaev 1973. Synonym: *Caulobacter crescentus* Poindexter 1964. Ex: turf-gley soil ABS "Chashnikovo", Russia, Moscow region. (Medium 55, 29 C, F-2, S-5, S-4) (56)

B-1491 <-- IBPM, IBPM BC-21 <-- Belyaev S.S. IBPM, 21. Received as: *Caulobacter crescentus*. Synonym: *Caulobacter crescentus* Poindexter 1964. Ex: water, Botanic garden MGU, Russia, Moscow. (Medium 55, 29°C, F-1, S-5, S-4) (56)

B-1493 <-- Andreev L.V. IBPM, CB 2 <-- Poindexter J.S. PHRI, CB 2. (ATCC 15252; NCIB 9787; NCIMB 9787; CIP 101123). Received as: *Caulobacter crescentus*. Synonym: *Caulobacter crescentus* Poindexter 1964 Type. Ex: tap water, USA, California. (Medium 55, 29°C, F-1, S-5, S-4) (541, 1351, 1366)

B-1494 <-- Andreev L.V. IBPM, CB 13 B1a <-- Poindexter J.S. PHRI, CB 13 B1a, USA, California. Received as: *Caulobacter crescentus*. Synonym: *Caulobacter crescentus* Poindexter 1964. (Medium 55, 29°C, F-1, S-5, S-4) (541, 1351)

B-1496 Type <-- Andreev L.V. IBPM, CB 51 <-- Poindexter J.S. PHRI, CB 51. (CIP 106452; DSM 9893). Synonym: *Caulobacter crescentus* Poindexter 1964. Ex: pond water, USA, California. (Medium 55, 29 C, F-1, S-5, S-4) (1351, 1366)

B-1497 <-- Andreev L.V. IBPM, CB 221 <-- Poindexter J.S. PHRI, CB 221. Synonym: *Caulobacter crescentus* Poindexter 1964. (Medium 55, 29 C, S-5, S-4)

B-1498 <-- Andreev L.V. IBPM, CB 16 <-- Poindexter J.S. PHRI, CB 16. Received as: "*Caulobacter vibrioides* subsp. *limonus*" Poindexter 1964. Synonym: *Caulobacter crescentus* Poindexter 1964. Ex: pond water, USA, California. (Medium 55, 29 C, F-1, S-5, S-4) (1351)

B-1575 <-- IBPM, IBPM BC-49 <-- Belyaev S.S. IBPM, 49. Received as: "*Caulobacter vibrioides* subsp. *luridus*" Krassilnikov et Belyaev 1973. Synonym: *Caulobacter crescentus* Poindexter 1964. Ex: freshwater lake, BBS, Russia, Murmansk region. (Medium 55, 29 C, F-1, S-5, S-4) (56)

***Cellulomonas biazotea*** (Kellerman et al. 1913) Bergey et al. 1923  
Ac-1410 Type <-- DSM, DSM 20112. (ATCC 486; CFBP 4269; CIP 82.11; DSM 20112; IFO 12680; JCM 1340; LMG 16695; NCIMB 8077). (Medium 166, 28°C, F-1) (292)

***Cellulomonas cellasea*** (Kellerman et al. 1913) Bergey et al. 1923  
Ac-1136 Type <-- INMI, VKM B-1212 <-- IBPM, B-135. (ATCC 487; CFBP 4260; CIP 102222; DSM 20118; IFO 3753; JCM 9967; LMG 16323; NCCB 29015; NCIMB 8078;). (Medium 191, 28°C, F-1, C-1) (292, 945)

***Cellulomonas fimi*** (McBeth and Scales 1913) Bergey et al. 1923  
Ac-1411 Type <-- DSM, DSM 20113. (ATCC 484; CFBP 4254; CIP 102114; DSM 20113; IFO 15513; JCM 1341; LMG 16345; NCCB 29016; NCIMB 11341; NCTC 7547). Ex: soil. (Medium 64, 28°C, F-1)(292)

***Cellulomonas flavigena*** (Kellerman and McBeth 1912) Bergey et al. 1923  
Ac-1137 Type <-- INMI, VKM B-1213 <-- IBPM, B-136. (ATCC 482; CCM 1926; CFBP 4223; CIP 82.10; DSM 20109; IFO 3754; JCM 1489; LMG 16263; NCIMB 8073). Ex: soil. (Medium 64, 28°C, F-1) (945, 2430)

***Cellulomonas gelida*** (Kellerman et al. 1913) Bergey et al. 1923  
Ac-1139 <-- INMI, VKM B-1373 <-- DSM, DSM 20110. (ATCC 489; DSM 20110; NCIMB 8075).  
Received as: "*Cellulomonas subalbus*" (Kellerman et al. 1913) Bergey et al. 1923.  
(Medium 64, 28°C, F-1, C-1) (292, 372)

***Cellulomonas* sp.**  
Ac-1158 <-- INMI, VKM B-649 <-- VNIISHM 760. Received as: "*Mycobacterium citreum*"  
Krassilnikov 1941. Ex: oak leaf, *Quercus* sp. (Medium 64, 28°C, F-1)

***Cellulomonas* sp.**  
Ac-1444 <-- Evtushenko L.I. IBPM. 205. Ex: *Julus* sp., stomach, Rostov Region. (Medium 64, 28°C, F-1)

***Cellulomonas* sp.**  
Ac-1461 <-- Evtushenko L.I. IBPM, 206. Ex: *Julus* sp., bowels, Rostov Region. (Medium 64, 28°C, F-1)

***Cellulomonas uda*** (Kellerman et al. 1913) Bergey et al. 1923  
Ac-1140 Type <-- INMI, VKM B-1374 <-- DSM, DSM 20107. (ATCC 491; CFBP 4256; CIP 102089; DSM 20107; IFO 3747; JCM 1492; LMG 16327; NCIMB 8200). Ex: soil. (Medium 64, 28°C, F-1, C-1) (292)

***Cellulophaga lytica*** (Lewin 1969) Johansen et al. 1999  
B-1433 Type <-- INMI, VKM B-1433 <-- NCMB, NCMB 1423. (ATCC 23178; NCMB 1423; NCIMB 1423; DSM 2039; Lewin R.A., LIM-21; Reichenbach H., Cy I2). Received as: *Cytophaga lytica*. Synonym: *Cytophaga lytica* Lewin 1969 Type. Ex: beach mud, Costa-Rica, Limon. (Medium 43, 28°C, F-1, C-1, F-3) (1366)

***Cellulosimicrobium cellulans*** (Metcalf and Brown 1957) Schumann et al. 2001  
Ac-1025 <-- Prauser H., IMET 7406. Received as: *Oerskovia xanthineolytica*. Synonym: *Cellulomonas cellulans* (Metcalf and Brown 1957) Stackebrandt and Keddie 1988, *Oerskovia xanthineolytica* Lechevalier 1972. (Medium 64, 28°C, F-1, C-1)(286, 292, 349)  
Ac-1029 <-- Kandler O., DSM 20106. (ATCC 21681; BCRC 11636; DSM 20106; IMET 10715; JCM 6201; LMG 16238; NCIMB 11440). Received as: *Cellulomonas cartae*. Synonym:

*Cellulomonas cellulans* (Metcalf and Brown 1957) Stackebrandt and Keddie 1988,  
*Cellulomonas cartae* Stackebrandt and Kandler 1980 Type. Ex: soil. (Medium 64, 28°C,  
F-1, C-1) (283, 372, 376)

Ac-1362 <-- Belikova V.L. IBPM, B-17 <-- Belyaev S.S. IBPM, 17. Received as: *Oerskovia* sp.  
Synonym: *Cellulomonas cellulans* (Metcalf and Brown 1957) Stackebrandt and Keddie  
1988. Ex: sea silt. (Medium 64, 28°C, F-1)

Ac-1412 Type <-- DSM 43189. (ATCC 12830; CFBP 4267; CIP 103404; DSM 43189, 43879; IFO  
15516; IMET 7404; JCM 9965; LMG 16221; NCIMB 8868; NRRL B-2768). Synonym:  
*Nocardia cellulans* Metcalf and Brown 1957 Type, *Cellulomonas cellulans* (Metcalf and  
Brown 1957) Stackebrandt and Keddie 1988 Type. Ex: carbonate soil. (Medium 64, 28°C,  
F-1) (376, 420)

***Chitinophaga filiformis*** (Reichenbach 1989) Kämpfer et al. 2006

B-1400 Type <-- INMI, VKM B-1400 <-- DSM, DSM 527 <-- Reichenbach H., Fx e1. (ATCC  
29495; DSM 527; CCUG 12809; CIP 106401; DSM 527; HAMBI 1966; IFO (now NBRC)  
15056; Reichenbach H., Fx e1). Received as: *Flexibacter elegans*. Synonym: *Flexibacter  
filiformis* (ex Solntseva 1940) Reichenbach 1989 Type, "*Flexibacter elegans*" Soriano  
1945, non Lewin 1969. Ex: soil, Samoa Island. (Medium 43, 28°C, F-1, S-5) (276, 277)

***Chitinophaga sancti*** (Lewin 1969) Kämpfer et al. 2006

B-1428 Type <-- INMI, VKM-B 1428 <-- NCMB, NCMB 1379. (ATCC 23092; NCMB 1379;  
NCIMB 1379; DSM 784; Lewin R.A., BA-3). Received as: *Flexibacter sancti*. Synonym:  
*Flexibacter sancti* Lewin 1969. (Medium 43, 28°C, F-1, S-5) (511, 1366)

***Clavibacter michiganensis* subsp. *insidiosus*** (McCulloch 1925) Davis et al. 1984

Ac-1146 <-- INMI, VKM B-1214 <-- IBPM, B-137 <-- CCM, CCM 1589. Received as:  
*Corynebacterium insidiosum*. Synonym: *Corynebacterium michiganense* subsp. *insidiosum*  
(McCulloch 1925) Carlson and Vidaver 1982, *Corynebacterium insidiosum* (McCulloch  
1925) Jensen 1934. (Medium 166, 28°C, F-1) (595)

Ac-1402 Type <-- ICMP, ICMP 2621 <-- Dye D.W., CK12. (ATCC 10253; CIP 105048, 105363;  
DSM 20157; ICMP 2621; JCM 9664; NCPPB 1109). Synonym: *Corynebacterium  
michiganense* subsp. *insidiosum* (McCulloch 1925) Carlson and Vidaver 1982 Type,  
*Corynebacterium insidiosum* (McCulloch 1925) Jensen 1934 Type. Ex: lucerne, *Medicago  
sativa*, USA. (Medium 166, 28°C, F-1) (292, 1331, 1333)

Ac-1416 <-- ICMP, ICMP 4192 <-- Hill C.F., AS5717. (ICMP 4192). Synonym: *Corynebacterium  
michiganense* subsp. *insidiosum* (McCulloch 1925) Carlson and Vidaver 1982,  
*Corynebacterium insidiosum* (McCulloch 1925) Jensen 1934. Ex: lucerne, *Medicago  
sativa*, New Zealand. (Medium 166, 28°C, F-1) (1331, 1333)

Ac-1417 <-- ICMP, ICMP 3568 <-- Hale C.N., L49 <-- Coster E., JH3RR. (ICMP 3568). Synonym:  
*Corynebacterium michiganense* subsp. *insidiosum* (McCulloch 1925) Carlson and Vidaver  
1982, *Corynebacterium insidiosum* (McCulloch 1925) Jensen 1934. Ex: lucerne, *Medicago  
sativa*, Australia. (Medium 166, 28°C, F-1) (1331, 1333)

***Clavibacter michiganensis* subsp. *michiganensis*** (Smith 1910) Davis et al. 1984

Ac-1144 <-- INMI, VKM B-565 <-- VNIISHMM. Received as: *Corynebacterium michiganense*.  
Synonym: *Corynebacterium michiganense* subsp. *michiganense* (Smith 1910) Jensen 1934,  
*Corynebacterium michiganense* (Smith 1910) Jensen 1934. (Medium 166, 28°C, F-1)  
(1123, 1704)

Ac-1262 <-- Nesterenko O.A. IMV, ICMP 2541 <-- ICMP, ICMP 2541. (ICMP 2541; NCPPB 4168).  
Synonym: *Corynebacterium michiganense* subsp. *michiganense* (Smith 1910) Jensen 1934,  
*Corynebacterium michiganense* (Smith 1910) Jensen 1934. Ex: tomato, *Lycopersicum  
esculentum*, U.K. (Medium 166, 28°C, F-1) (1331, 1333)

Ac-1403 Type <-- ICMP, ICMP 2550. (CFBP 2352; CIP 104846; DSM 46364; ICMP 2550, JCM  
9665; LMG 7333; NCPPB 2979). Synonym: *Corynebacterium michiganense* subsp.

*michiganense* (Smith 1910) Jensen 1934 Type, *Corynebacterium michiganense* (Smith 1910) Jensen 1934 Type. Ex: tomato, *Lycopersicon esculentum*, Hungary. (Medium 166, 28°C, F-1) (292, 1331, 1333)

*Clavibacter michiganensis* subsp. *nebraskensis* (Vidaver and Mandel 1974) Davis et al. 1984  
Ac-1404 Type <-- ICMP, ICMP 3298. (ATCC 27794; CIP 105362; DSM 7483; ICMP 3298; JCM 9666; LMG 3700, 5627, 7223; NCPPB 2581). Synonym: *Corynebacterium michiganense* subsp. *nebraskense* (Vidaver and Mandel 1974) Carlson and Vidaver 1982 Type, *Corynebacterium nebraskense* Vidaver and Mandel 1974 Type. Ex: maize, *Zea mays*, USA. (Medium 166, 28°C, F-1) (292, 1331, 1332)

*Clavibacter michiganensis* subsp. *sepedonicus* (Spieckermann and Kotthoff 1914) Davis et al. 1984  
Ac-1405 Type <-- ICMP, ICMP 2535. (ATCC 33113; CFBP 2049; CIP 104844; DSM 20744; ICMP 2535; JCM 9667; LMG 2889; NCPPB 2137). Synonym: *Corynebacterium michiganense* subsp. *sepedonicum* (Spieckermann and Kotthoff 1914) Carlson and Vidaver 1982 Type, *Corynebacterium sepedonicum* (Spieckermann and Kotthoff 1914) Skaptason and Burkholder 1942 Type. Ex: potato, *Solanum tuberosum*, Canada. (Medium 166, 28°C, F-1) (292, 1331, 1333)

*Clavibacter michiganensis* subsp. *tessellarius* (Carlson and Vidaver 1982) Davis et al. 1984  
Ac-1406 Type <-- ICMP, ICMP 7221. (ATCC 33566; CIP 105364; DSM 20741; ICMP 7221; JCM 9668; LMG 7294; NCPPB 3664). Synonym: *Corynebacterium michiganense* subsp. *tessellarius* Carlson and Vidaver 1982 Type. Ex: common wheat, *Triticum aestivum*. (Medium 166, 28°C, F-1) (292, 1331, 1333)

*Clavibacter* sp.

Ac-1154 <-- INMI, VKM B-357 <-- VNIISHM, 181. Received as: "*Mycobacterium insidiosum*" Krassilnikov 1941. Ex: scotch pine, *Pinus silvestris*, USSR. (Medium 64, 28°C, F-1)

*Clavibacter* sp.

Ac-1363 <-- Dobrovolskaya T.G. DSB MGU, 1P-r. Received as: "*Clavibacter desertorus*". Ex: dung of *Equus heminus*, Kyzyl-Kum Desert, Uzbekistan. (Medium 166, 28°C, F-1)

*Clavibacter* sp.

Ac-1365 <-- Dobrovolskaya T.G. DSB MGU, 2P-r. Received as: "*Clavibacter desertorus*". Ex: *Colligonum* sp., dry plant, Kyzyl-Kum Desert, Uzbekistan. (Medium 166, 28°C, F-1)

*Clavibacter* sp.

Ac-1371 <-- Dobrovolskaya T.G. DSB MGU, 21a-14. Received as: "*Clavibacter desertorus*". Ex: *Salsola* sp., Kyzyl-Kum Desert, Uzbekistan. (Medium 166, 28°C, F-1) (2984)

*Clavibacter* sp.

Ac-1790 <-- IBPM, DL-7. Ex: *Agrostis* sp., seed gall induced by nematode *Anguina agrostis*, Sakhalin island, Russia. (Medium 166, 25°C, F-1, C-1)

*Clavibacter* sp.

Ac-1792 <-- IBPM, DL-11. Ex: *Agrostis* sp., seed gall induced by nematode *Anguina agrostis*, Sakhalin island, Russia. (Medium 166, 25°C, F-1, C-1)

*Clavibacter* sp.

Ac-1797 <-- IBPM, DL-355. Ex: Phyllosphere of *Festuca* sp., Belgorod region, Russia. (Medium 166, 25°C, F-1, C-1)

***Clavibacter* sp.**

Ac-2060 <-- IBPM, DL-545. (IFO 16405). Ex: *Galatella punctata*, seeds, Russia, Moscow region, Russia (Medium 166, 25°C, F-1, C-1)

***Clostridium acetobutylicum* McCoy et al. 1926 emend. Keis et al. 2001**

B-1787 Type <-- DSM, DSM 792 <-- ATCC, ATCC 824. (ATCC 824; NCIB 8052; NCIMB 8052; DSM 792; IFO 13948; VTT E-77022; BCRC 10639; YSM 1419). Synonym: "*Clostridium acetobutylicum*" Prévot 1938, "*Clostridium acetobutyricum*" Prévot 1940. (Medium 152, 37°C, S-3)

***Clostridium alkallicellulosi* corrig. Zhilina et al. 2006**

B-2349 Type <-- Zhilina T. N., INMI, Z-7026 (Z-7026; DSM 17461). Ex: a soda lake in the Baikal region, Russia. (Medium 233, 35-40°C, F-2)

***Clostridium beijerinckii* Donker 1926 emend. Keis et al. 2001**

B-1773 <-- DSM, DSM-552 <-- Gottschalk G. (DSM 552). Received as: *Clostridium butyricum*, re-identified in DSM. (Medium 152, 37°C, F-1, S-3)

***Clostridium butyricum* Prazmowski 1880**

B-53 <-- INMI, VKM B-53 <-- Solntseva L.I. INMI <-- Bukin V.N. BiNII StPGU <-- Wisconsin State University, USA. (Medium 158, 37°C, F-1, S-3) (1638)

***Clostridium pasteurianum* Winogradsky 1895**

B-1774 Type <-- DSM, DSM-525 <-- IMG, IMG 1584b. (ATCC 6013; NCIB 9486; NCIMB 9486; DSM 525; BCRC 10942; NCFB 1845; JCM 1108; IMG 1584b; McCoy E., 5; McClung L.S., 2300). (Medium 152, 37°C, F-1, S-3) (1366)

**"*Clostridium uzonii*" Krivenko et al. 1990**

B-1678 <-- Krivenko V.V. INMI, 1501/60. Ex: geyser hydrothermal system, Uzon, Russia. (Medium 153, 60°C, S-3)

B-1679 <-- Krivenko V.V. INMI, 1611. Ex: geyser hydrothermal system, Uzon, Russia. (Medium 153, 60°C, S-3)

***Comamonas testosteroni* (Marcus and Talalay 1956) Tomaoka et al. 1987 emend. Willems et al. 1991**

B-1241 Type <-- INMI VKM B-1241 <-- CCM, CCM 1931. (ATCC 11996; CCM 1931; NCIB 8955; NCIMB 8955; NCTC 10698; DSM 50244; CCUG 1426; ICPB 2741; VTT E- 86249; CIP 59.24; JCM 5832; NRRL B-2611; Stanier R.Y., 78; Hugh R., 1104). Received as: *Pseudomonas testosteroni*. Synonym: *Pseudomonas testosteroni* Marcus and Talalay 1956 Type. Ex: soil. (Medium 5, 28°C, F-1, C-1, F-3) (461, 1031, 1366)

***Corynebacterium ammoniagenes* (Cooke and Keith 1927) Collins 1987**

Ac-2185 Type <-- VKM, VKM B-672 <-- INMI, VKM B-672 <-- NCIB, NCIB 8143. (ATCC 6871; CIP 101283; DSM 20306; IFO 12612; JCM 1305; NCIMB 8143; NCTC 2398). Synonym: *Brevibacterium ammoniagenes* (Cooke and Keith 1927) Breed 1953 Type. Ex: stool of infant. (Medium 5, 30°C, F-1, C-1, F-3) (1366, 1542, 1578, 1658, 1661)

***Corynebacterium flavescens* Barksdale et al. 1979**

Ac-1956 Type <-- JCM, JCM 1317. (ATCC 10340; BCRC 12131; CCUG 28791; CIP 69.5; DSM 20296; IAM 1642; IFO 14136; JCM 1317; LMG 4046; NCFB 1320; NCIMB 8707). Received as: "*Microbacterium flavum*". Ex: cheese. (Medium 166, 30°C, F-1) (3314)

***Corynebacterium terpenotabidum* Takeuchi et al. 1999**

Ac-2071 Type <-- IFO, IFO 14764. (CIP 105927; IFO 14764; JCM 10555). Ex: soil. (Medium 166, 28°C, F-1)

***Corynebacterium variabile*** (Muller 1961) Collins 1987

Ac-1122 Type <-- INMI, VKM B-671 <-- NCIMB, NCIB 9455. (ATCC 15753; CIP 102112; DSM 20132; IAM 12346; IFO 15286; IMET 10433; JCM 2154; NCIMB 9455; NRRL B-4201). Received as: *Arthrobacter variabilis*. Synonym: *Arthrobacter variabilis* Muller 1961 Type. Ex: cheese. (Medium 64, 28°C, F-1, C-1) (292, 1265, 1658, 2567, 2571)

***Corynebacterium vitaeruminis*** (Bechdel et al. 1928) Laneelle et al. 1980

Ac-2189 Type <-- VKM, VKM B-1211 <-- INMI, VKM B-1211 <-- IBPM, B-85. (ATCC 10234; CIP 82.7; DSM 20294; IFO 12143; JCM 1323; NCIMB 9291). Synonym: *Brevibacterium vitarumen* (Bechdel et al. 1929) Breed 1957 Type. (Medium 166, 30°C, F-1, C-1, F-3) (1024, 1035)

***Couchioplanes caeruleus*** subsp. *azureus* Tamura et al. 1994

Ac-2019 Type <-- JCM, JCM 3246. (ATCC 31157; BCRC 11824; DSM 43900; HUT 6550; IFO 13993; JCM 3246). Former name: "*Actinoplanes azureus*" Routien. (Medium 206, 28°C, F-1) (2780)

***Couchioplanes caeruleus*** subsp. *caeruleus* (Horan and Brodsky 1986) Tamura et al. 1994

Ac-1257 Type <-- Brodsky B.C. USA, SCC 1014. (ATCC 33937; DSM 43634; IFO 13939; IMET 9248; JCM 3195; NRRL 5325). Received as: *Actinoplanes caeruleus*. Synonym: *Actinoplanes caeruleus* Horan and Brodsky 1986 Type. Ex: soil, USA, California. (Medium 8, 28°C, F-1, C-1) (826, 1357, 2780)

***Crossiella cryophila*** (Labeda and Lechevalier 1989) Labeda 2001

Ac-1965 Type <-- JCM, JCM 9111. (ATCC 51143; DSM 44230; IFO 14475; JCM 9111; NCIMB 13187; NRRL B-16238). Received as: *Saccharothrix cryophilis*. Synonym: *Saccharothrix cryophilis* Labeda and Lechevalier 1989 Type, "*Nocardiosis mutabilis* subsp. *cryophilis*" Takahashi et al. 1986 Type. Ex: soil, Japan, Yamanashi Pref., Shosenkyo. (Medium 206, 28°C, F-1) (3324, 3326)

***Cryobacterium psychrophilum*** (ex Inoue and Komagata 1976) Suzuki et al. 1997

Ac-2100 Type <-- IFO, IFO 15735. (ATCC 43563; CIP 105227; DSM 4854; IAM 12024; IFO 15735; JCM 1463; NCIMB 2068). Synonym: "*Curtobacterium psychrophilum*" Inoue and Komagata 1976. Ex: soil, Shoma station, Antarctica. (Medium 166, 10°C, F-1)

***Cupriavidus necator*** Makkar and Casida 1987

B-1323 <-- INMI, VKM B-1323 <-- Zavarzin G.A. INMI, Z-1. Received as: *Alcaligenes eutrophus*. Synonym: *Alcaligenes eutrophus* Davis 1969, *Ralstonia eutropha* (Davis 1969) Yabuuchi et al. 1996. Ex: bog soil. (Medium 3, 28°C, F-1, C-1, F-3)

***Curtobacterium albidum*** (Komagata and Iizuka 1964) Yamada and Komagata 1972

Ac-2186 Type <-- VKM, VKM B-1206 <-- INMI, VKM B-1206 <-- IBPM, B-130. (ATCC 15831; BCRC 2296; CCM 2296; CIP 102693; DSM 20512; IAM 1631; IFO 15078; JCM 1344; NCIMB 11030). Synonym: *Brevibacterium albidum* Komagata and Iizuka 1964 Type. Ex: chinese paddy, *Oryza sativa*. (Medium 166, 28°C, F-1, C-1, F-3) (1366)

***Curtobacterium citreum*** (Komagata and Iizuka 1964) Yamada and Komagata 1972

Ac-2187 Type <-- VKM, VKM B-1206 <-- INMI, VKM B-1207 <-- IBPM, B-131. (ATCC 15828; BCRC 12126; CCM 2297; CIP 81.26; DSM 20528; IAM 1614; IFO 12677; IMET 10359; JCM 1345; LMG 8786; NCIMB 10702). Synonym: *Brevibacterium citreum* Komagata and Iizuka 1964 Type. Ex: chinese paddy, *Oryza sativa*. (Medium 166, 28°C, F-1, C-1, F-3) (1366, 1675)

Ac-2098 <-- IFO, IFO 15231. (IAM 12545; IFO 15231; JCM 1346). Ex: chinese paddy. (Medium

166, 28°C, F-1)  
Ac-2101 <-- IFO, IFO 15611. (IFO 15611). Ex: blood. (Medium 166, 28°C, F-1)

***Curtobacterium herbarum*** Behrendt et al. 2002

Ac-2512 Type <-- DSM, DSM 14013. (DSM 14013; JCM 12140; LMG 19917). Ex: phyllosphere of grasses, Germany. (Medium 166, 28°C, F-1)

**"*Curtobacterium insectiphilium*"** (Steinhaus) Yamada and Komagata

Ac-1957 <-- JCM, JCM 1348. (IAM 12546; IFM AM-23; JCM 1348). Synonym: "*Brevibacterium insectiphilium*" Steinhaus. Ex: fish. (Medium 166, 28°C, F-1)

***Curtobacterium luteum*** (Komagata and Iizuka 1964) Yamada and Komagata 1972

Ac-2188 Type <-- VKM, VKM B-1210 <-- INMI, VKM B-1210 <-- IBPM, B-134 <-- CCM, CCM 2298. (ATCC 15830; BCRC 12127; CCM 2298; CCUG 23848; CIP 102694; DSM 20542; IAM 1623; IFO 12676; IMET 10360; JCM 1480; LMG 8787; NCIMB 11029). Synonym: *Brevibacterium luteum* Komagata and Iizuka 1964 Type. Ex: chinese paddy, *Oryza sativa*. (Medium 166, 28°C, F-1, C-1, F-3) (420, 426, 483, 1366, 1675)

***Curtobacterium pusillum*** (Iizuka and Komagata 1965) Yamada and Komagata 1972

Ac-2099 Type <-- IFO, IFO 12674. (VKM Ac-1413; ATCC 19096; BCRC 10376; CIP 81.24; DSM 20527; IAM 1479; IFO 12674; JCM 1350; LMG 8788; NCIMB 10354). Synonym: *Brevibacterium pusillum* Iizuka and Komagata 1965 Type. Ex: oil-brine, Yabase-oil field, Akita pref., Japan. (Medium 166, 28°C, F-1) (483)

Ac-2102 <-- IFO, IFO 15232. (ATCC 19097; DSM 20529; IAM 1489; IFO 15232; JCM 1351). Synonym: *Brevibacterium pusillum* Iizuka and Komagata 1965. Ex: oil-brine, Yabase-oil field, Akita pref., Japan. (Medium 166, 28°C, F-1)

***Curtobacterium* sp.**

Ac-1376 <-- Dobrovolskaya T.G. MSU, 3g1b. (IFO 16384). Ex: *Poa annua*, root gall, induced by nematode *Subanguina radicularis*, Moscow region, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-1386 <-- IBPM, DL-114. (IFO 16385). Ex: *Agrostis* sp., seed gall induced by nematode *Anguina agrostis*, Iturup island, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-1387 <-- Dobrovolskaya T.G. MSU, 2g. (IFO 16386). Ex: *Centaurea leucophila*, leaf gall induced by *Mesoanguina picridis*, North Caucasus, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-1393 <-- IBPM, DL-101. (IFO 16387). Ex: *Calamagrostis* sp., stem gall induced by nematode *Heteroanguina graminophila*, Kunashir Island, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-1395 <-- IBPM, DL-54. (IFO 16388). Ex: *Festuca rubra*, leaf gall induced by nematode *Anguina graminis*, Moscow region, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-1397 <-- IBPM, DL-76. (IFO 16389). Ex: *Festuca rubra*, leaf gall induced by nematode *Anguina graminis*, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-1399 <-- IBPM, DL-92. (IFO 16390). Ex: *Festuca rubra*, leaf gall induced by nematode *Anguina graminis*, Moscow region, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-1794 <-- IBPM, DL-8. (IFO 16391). Ex: *Agrostis* sp., seed gall induced by nematode *Anguina agrostis*, Kunashir island, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-1795 <-- IBPM, DL-3. (IFO 16392). Ex: *Agrostis* sp., seed gall induced by nematode *Anguina agrostis*, Sakhalin island, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-1796 <-- Dobrovolskaya T.G. MSU, 1g (IFO 16393). Ex: *Centaurea leucophila*, leaf gall induced by nematode *Mesoanguina picridis*, North Caucasus, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-1809 <-- IBPM, DL-71. (IFO 16395). Ex: *Festuca rubra*, leaf gall induced by nematode *Anguina graminis*, Moscow region, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-1811 <-- IBPM, DL-77. (IFO 16396). Ex: *Calamagrostis* sp., steam gall induced by nematode *Heteroanguina graminophila*, Kunashir Island, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-2054 <-- IBPM, DL-91. (IFO 16399). Ex: *Calamagrostis* sp., steam gall induced by nematode *Heteroanguina graminophila*, Kunashir Island, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-2055 <-- IBPM, DL-470. (IFO 16400). Ex: *Stipa pennata*, seeds, Moscow region, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-2056 <-- IBPM, DL-468. (IFO 16401). Ex: *Stipa pennata*, seeds, Moscow region, Russia. (Medium 166, 25°C, F-1, C-1)

***Curtobacterium* sp.**

Ac-2057 <-- IBPM, DL-363. (IFO 16402). Ex: *Centaurea* sp., phyllosphere. Belgorod region, Russia. (Medium 166, 25°C, F-1, C-1)

***Dactylosporangium aurantiacum* Thiemann et al. 1967**

Ac-654 Type <-- INMI, VKM A-654 <-- RIA, RIA 922. (RIA 922; ATCC 23491; DSM 43157; IFO 12592; IMET 9028; JCM 3083; NCIMB 12887; NRRL B-8018, B-8111). Ex: soil. (Medium 8, 28°C, F-1, C-1) (732, 1357)

***Dactylosporangium matsuzakiense* Shomura and Niida 1983**

Ac-1321 Type <-- DSM, DSM 43810. (ATCC 31570; DSM 43810; IFO 14259; JCM 3311; NCIMB 12890; NRRL B-16293). Ex: soil, Japan. (Medium 8, 28°C, F-1, C-1) (952, 1089, 1357)

***Dactylosporangium thailandense* Thiemann et al. 1967**

Ac-655 Type <-- INMI, VKM A-655 <-- RIA, RIA 923. (RIA 923; ATCC 23490; DSM 43158; IFO 12593; IMET 9029; JCM 3084; NCIMB 12749). Ex: soil, Thailand. (Medium 8, 28°C, F-1) (732, 1357)

***Dactylosporangium vinaceum* Shomura et al. 1983**

Ac-1322 Type <-- DSM, DSM 43823. (ATCC 35207; DSM 43823; IFO 14181; JCM 3307; NCIMB

12891; NRRL B-16297). Ex: soil, Japan, Gifu Pref., Sekigahara. (Medium 8, 28°C, F-1, C-1) (824, 1089, 1357)

***Deinococcus proteolyticus*** Brooks and Murray 1981

Ac-1939 Type <-- IFO, IFO 15345. (ATCC 35074; DSM 20540; IAM 12141; IFO 15345; JCM 6276). Ex: faeces of *Lama glama*. (Medium 5, 30°C, F-1) C-1) (381, 1357)

***Deinococcus radiodurans*** (ex Raj et al. 1960) Brooks and Murray 1981

B-1422 Type <-- INMI, VKM B-1422 <-- CCM, CCM 1700. (ATCC 13939; CCM 1700; BCRC 12827; DSM 20539; IMET 10603; NCIMB 9279; UWO 288). Received as: "*Micrococcus radiodurans*". Synonym: "*Micrococcus radiodurans*" Raj et al. 1960 Type. Ex: irradiated ground pork and beef. (Medium 50, 30°C, F-1, C-1, F-3) (381)

B-1467 <-- CCM, CCM 1701. (CCM 1701; Anderson A.W., U1). Synonym: "*Micrococcus radiodurans*" Raj et al. 1960. (Medium 50, 30°C, F-1, C-1, F-3)

***Deinococcus radiophilus*** (ex Raj et al. 1960) Brooks and Murray 1981

B-1468 Type <-- CCM, CCM 2564. (ATCC 27603, 27602, 27604; CCM 2564; NCIB 10648; NCIMB 10648; DSM 20551; BCRC 12828; UWO 1055; Lewis N.F., RBD (*Micrococcus radiophilus*)). Synonym: "*Micrococcus radiophilus*" Lewis 1973 Type. Ex: irradiated Bombay duck, *Harpodon nehereu*. (Medium 50, 30°C, F-1, C-1, F-3) (381)

***Delftia acidovorans*** (den Dooren de Jong 1926) Wen et al. 1999

B-557 <-- INMI, VKM B-557 <-- VNIISHMM. Received as: "*Pseudomonas desmolytica*". Synonym: *Comamonas acidovorans* (den Dooren de Jong 1926) Tamaoka et al. 1987, "*Pseudomonas desmolytica*" Gray and Thornton 1928, "*Pseudomonas indoloxidans*" Gray 1928, *Pseudomonas acidovorans* den Dooren de Jong 1926. (Medium 5, 28°C, F-1, C-1, F-3)

B-1239 <-- INMI, VKM B-1239 <-- CCM, CCM 283. (ATCC 9355, 13751; CCM 283; NCIB 9153; NCIMB 9153; CCUG 1822; IFO 13582; CIP 64.36; Warren R.A.J., 29). Received as: "*Pseudomonas indoloxidans*". Synonym: *Comamonas acidovorans* (den Dooren de Jong 1926) Tamaoka et al. 1987, "*Pseudomonas desmolytica*" Gray and Thornton 1928, "*Pseudomonas indoloxidans*" Gray 1928, *Pseudomonas acidovorans* den Dooren de Jong 1926. Ex: soil. (Medium 5, 28°C, F-1, C-1, F-3)

B-1251 <-- INMI VKM B-1251 <-- IMV, 2863. Received as: *Pseudomonas acidovorans*. Synonym: *Comamonas acidovorans* (den Dooren de Jong 1926) Tamaoka et al. 1987, "*Pseudomonas desmolytica*" Gray and Thornton 1928, "*Pseudomonas indoloxidans*" Gray 1928, *Pseudomonas acidovorans* den Dooren de Jong 1926. Ex: mosquito larvae. (Medium 5, 28°C, F-1, C-1, F-3)

***Dermacoccus nishinomiyaensis*** (Oda 1935) Stackebrandt et al. 1995

Ac-2160 Type <-- VKM, VKM B-1818 <-- IMG, CCM 2140 <-- Kocur M. CCM, CCM 2140. (ATCC 29093; CCM 2140; CIP 81.71; DSM 20448; IFO 15356; LMG 14222; NCFB 2358; NCTC 11039; OUT 8094). Received as: *Micrococcus nishinomiyaensis*. Synonym: *Micrococcus nishinomiyaensis* Oda 1935 Type. Ex: water. (Medium 166, 30°C, F-1, C-1, F-3) (1021, 1366)

Ac-2161 <-- VKM, VKM B-1819 <-- IMG, CCM 2669 <-- Kocur M. CCM, CCM 2669. (CCM 2669; LMG 14223; NCFB 2356). Received as: *Micrococcus nishinomiyaensis*. Synonym: *Micrococcus nishinomiyaensis* Oda 1935. Ex: human skin. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2162 <-- VKM, VKM B-1820 <-- IMG, CCM 2670 <-- Kocur M. CCM, CCM 2670. (CCM 2670). Received as: *Micrococcus nishinomiyaensis*. Synonym: *Micrococcus nishinomiyaensis* Oda 1935. Ex: human skin. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2163 <-- VKM, VKM B-1870 <-- IMG, CCM 2671 <-- Kocur M. CCM, CCM 2671. (CCM 2671). Received as: *Micrococcus nishinomiyaensis*. Synonym: *Micrococcus nishinomiyaensis* Oda 1935. Ex: human skin. (Medium 166, 30°C, F-1, C-1, F-3)

- Ac-2164 <-- VKM, VKM B-1871 <-- IMG, CCM 2672 <-- Kocur M. CCM, CCM 2672. (CCM 2672). Received as: *Micrococcus nishinomiyaensis*. Synonym: *Micrococcus nishinomiyaensis* Oda 1935. Ex: human skin. (Medium 166, 30°C, F-1, C-1, F-3)
- Ac-2165 <-- VKM, VKM B-1872 <-- IMG, CCM 2673 <-- Kocur M. CCM, CCM 2673. (CCM 2673). Received as: *Micrococcus nishinomiyaensis*. Synonym: *Micrococcus nishinomiyaensis* Oda 1935. Ex: human skin. (Medium 166, 30°C, F-1, C-1, F-3)
- Ac-2166 <-- VKM, VKM B-1873 <-- IMG, CCM PM 297 <-- Kocur M. CCM, PM 297. Received as: *Micrococcus nishinomiyaensis*. Synonym: *Micrococcus nishinomiyaensis* Oda 1935. (Medium 166, 30°C, F-1, C-1, F-3)
- Ac-2167 <-- VKM, VKM B-1874 <-- IMG, CCM JL 79 <-- Kocur M. CCM, JL 79. Received as: *Micrococcus nishinomiyaensis*. Synonym: *Micrococcus nishinomiyaensis* Oda 1935. (Medium 166, 30°C, F-1, C-1, F-3)

***Dermacoccus* sp.**

- Ac-2168 <-- VKM, VKM B-289 <-- INMI, VKM B-289 <-- Mishustina I.E. INMI, 4503. Received as: *Micrococcus* sp. Former name: "*Micrococcus luteolus*" Henrici 1894. Ex: water, station 3814, Pacific Ocean, depth 605 m, 17 50'0"S.lat, 183 19'5"E.long. (Medium 68, 30°C, F-1, C-1, F-3) (1367)

***Dermacoccus* sp.**

- Ac-2169 <-- VKM, VKM B-291 <-- INMI, VKM B-291 <-- Mishustina I.E. INMI, 5331. Received as: *Micrococcus* sp. Former name: "*Micrococcus luteolus*" Henrici 1894. Ex: water, station 3856, Pacific Ocean, depth 2960 m, 08 27'7"S.lat., 170 39'0"E.long. (Medium 68, 30°C, F-1, C-1, F-3) (1367)

***Desulfobacterium autotrophicum* Brysch et al. 1988**

- B-1955 Type <-- DSM, DSM 3382 <-- Widdel F., HRM 2. (DSM 3382; ATCC 43914). Ex: marine mud, Italy, Venice. (Medium 182, 26°C, S-2) (1101)

***Desulfobalobium utahense* Jakobsen et al. 2006**

- B-2384 Type <-- Shcherbakova V.A. IBPM. (EtOH<sub>3</sub>, DSM 17720). Ex: anoxic hypersaline (270 g NaCl l<sup>-1</sup>) sediment sample, northern arm of the Great Salt Lake, Utah, USA. (Medium 234, 30°C, S-2)

***Desulfomicrobium apsheronum* Rozanova et al. 1994**

- B-1804 Type <-- Rozanova E.P. INMI, 1105. (DSM 5918). Ex: stratal water, Apsheron peninsula. (Medium 109, 30°C, S-3) (1062)

***Desulfomicrobium baculatum* (Rozanova and Nazina 1984) Rozanova et al. 1994**

- B-1378 Type <-- INMI, VKM B-1378 <-- Rozanova E.P. INMI, X. (DSM 4028; NCIB 8310). Received as: *Desulfovibrio baculatus*. Synonym: *Desulfovibrio baculatus* Rozanova and Nazina 1984 Type. Ex: moistened dumps of manganese ore, Ukraine. (Medium 109, 30°C, S-3) (122, 1062, 1221)

***Desulfomicrobium macestii* (Gogotova and Vainshtein 1989) Hippe et al. 2003**

- B-1598 Type <-- Gogotova G.I. IBPM, M-9. (DSM 4194). Received as: *Desulfobacterium macestii*. Synonym: *Desulfobacterium macestii* Gogotova and Vainstein 1989 Type. Ex: underground sulfide waters, Old Macesta, Kudepsta river. (Medium 109, 30°C, S-2) (248)

***Desulfonatronum cooperativum* Zhilina et al. 2005**

- B-2329 Type <-- Zhilina T. N., INMI, Z-7999 (Z-7999, DSM 16749). Ex: deposits of the local soda lake Khadin, near Kysil-city, Tuva, Russia. (Medium 235, 35°C, S-2)

***Desulfosarcina variabilis*** Widdel 1981

B-1627 Type <-- DSM, DSM 2060 <-- Widdel F., "Montpellier" (3 be 13). (ATCC 33932; DSM 2060; Widdel F., "Montpellier" (3 be 13)). Ex: marine black mud, France, Montpellier. (Medium 107, 30-33°C, S-2) (1052)

***Desulfosporosinus orientis*** (Campbell and Postgate 1965) Stackebrandt et al. 1997

B-1628 Type <-- Hippe H. DSM, DSM 765. (DSM 765; ATCC 19365; NCIB 8382; NCIMB 8382). Received as: *Desulfotomaculum orientis*. Synonym: *Desulfotomaculum orientis* Campbell and Postgate 1965 Type; "*Desulfovibrio orientis*" Adams and Postgate 1959. Ex: soil, Singapore, Sungei Whampoa. (Medium 109, 30°C, S-2) (288, 460, 503)

***Desulfotomaculum alkaliphilum*** Pikuta et al. 2000

B-2192 Type <--Pikuta E.V. IBPM, S1. (ATCC 700784; DSM 12257). Ex: cows and pigs mixed manure, Moscow region, Russia. Precipitates metals with sulfide under alkaline conditions. (Medium 225, pH 8.6, 55-60°C, S-2).

***Desulfotomaculum carboxydivorans*** Parshina et al. 2005

B-2319 Type <-- Parshina S. N., INMI, CO-1-SRB. (CO-1-SRB, DSM 14880). Ex: sludge from an anaerobic bioreactor treating paper mill wastewater; Netherlands. (Medium 236, 55°C, S-2)

***Desulfotomaculum kuznetsovii*** Nazina et al. 1990

B-1805 Type <-- Rozanova E.P. INMI, 17. (DSM 6115). Received as: SNG. Ex: water of thermal well, Georgia, Sukhumi. (Medium 103, 65°C, S-2) (1073)

***Desulfotomaculum nigrificans*** (Werkman and Weaver 1927) Campbell and Postgate 1965

B-1379 <-- INMI, VKM B-1379 <-- Rozanova E.P. INMI, 781. Received as: "*Desulfotomaculum nigrificans* subsp. *salinus*" Nazina and Rozanova 1978. Ex: oil pool, Russia, Tyumen region. (Medium 139, 60°C, S-2) (70, 123, 1102)

B-1492 <-- Rozanova E.P. INMI, 435. Ex: oil pool. (Medium 109, 60°C, S-2) (123)

***Desulfovibrio africanus*** Campbell et al. 1966

B-1757 Type <-- Hippe H. DSM, DSM 2603. (DSM 2603; ATCC 19996; NCIB 8401; NCIMB 8401). Ex: well water, Lubia, Benghazi. (Medium 109, 30°C, S-2) (1015, 1040)

***Desulfovibrio carbinolicus*** Nanninga and Gottschal 1995

B-1758 Type <-- DSM, DSM 3852 <-- Nanninga H.J., EDK 82. (DSM 3852; Nanninga H.J., EDK 82). Ex: anaerobic waste water treatment plant, potato starch factory, Dekrim, Netherlands. (Medium 180, 37°C, S-2) (1167)

***Desulfovibrio desulfuricans*** subsp. *desulfuricans* (Beijerinck 1895) Kluver and van Niel 1936

B-1799 Type <-- DSM, DSM 642 <-- Gottschalk G. <-- NCIB, NCIB 8307. (VKM B-1800; DSM 642; ATCC 29577; NCIB 8307; NCIMB 8307). Ex: soil near gas main, England. (Medium 109, 37°C, S-2)

***Desulfovibrio fructosivorans*** Ollivier et al. 1990

B-1801 Type <-- Hippe H. DSM, DSM 3604. (DSM 3604; ATCC 49200). (Medium 109, 30°C, S-2) (1019, 1169)

***Desulfovibrio gigas*** Le Gall 1963

B-1759 Type <-- DSM, DSM 1382. (DSM 1382; NCIB 9332; NCIMB 9332; ATCC 19364). Ex: water sample from the Etang de Berre, France, Marseille. (Medium 90, 30-37°C, S-2) (1039, 1176)

***Desulfovibrio salexigens*** Postgate and Campbell 1966

B-1763 Type <-- DSM, DSM 2638 <-- NCIB, NCIB 8403. (ATCC 14822; NCIB 8403; NCIMB 8403; DSM 2638). Ex: "sling mud", British Guyana. (Medium 110, 30°C, S-2) (1053, 1087)

***Desulfovibrio*** sp.

B-2200 <-- Shcherbakova V.A. IBPM, SR-1. Ex: anaerobic mud of bioreactor, Moscow region, Russia. (Medium 109, 37°C, S-2)

***Desulfovibrio sulfodismutans*** Bak and Pfennig 1988

B-1764 Type <-- DSM, DSM 3696. (DSM 3696). Ex: freshwater mud, Germany, Konstanz. (Medium 154, 35°C, S-2) (1018)

***Desulfovibrio vulgaris*** Postgate and Campbell 1966

B-1388 <-- INMI, VKM B-1388 <-- Rozanova E.P. INMI, 2198. Received as: *Desulfovibrio desulfuricans*. (Medium 109, 30°C, S-2) (1008, 1130, 1195, 1483)

***Desulfovibrio vulgaris*** subsp. ***vulgaris*** Postgate and Campbell 1966

B-1760 Type <-- DSM, DSM 644. (DSM 644; ATCC 29579; NCIB 8303; NCIMB 8303; Adams M.E. and Butlin K.R., Hildenborough). Ex: soil, England, Kent. (Medium 109, 30°C, S-2) (1053)

***Desulfurococcus fermentans*** Perevalova et al. 2005

B-2316 Type <-- Bonch-Osmolovskaya E. A., INMI, Z-1312 (strain Z-1312, DSM 16532, JCM 13383). Ex: water and mud from a freshwater hot spring of the Uzon caldera (Kamchatka Peninsula, Russia. (Medium 237, 80–82°C, S-2)

***Dietzia maris*** (Nesterenko et al. 1982) Rainey et al. 1995

Ac-593 Type <-- INMI, VKM A-593 <-- Nesterenko O.A., IMV 195. (IMV 195; ATCC 35013; CIP 104188; DSM 43672; IFO 15801; JCM 6166; LMG 5361; NCIMB 11744). Received as: *Rhodococcus maris*. Synonym: *Rhodococcus maris* (ex Harrison 1929) Nesterenko et al. 1982 Type. Ex: soil, impregnated with oil, Ukraine, Chernigov Region. (Medium 183, 28°C, F-1, F-3, F-4, C-1) (292, 382, 945, 2872)

Ac-959 <-- Nesterenko O.A. IMV, 283. (JCM 6167). Received as: *Rhodococcus maris*. Synonym: *Rhodococcus maris* (ex Harrison 1929) Nesterenko et al. 1982. Ex: intestinal tract of carp, *Cyprinus carpio*, Ukraine. (Medium 183, 28°C, F-1, C-1) (382, 2872)

Ac-980 <-- Nesterenko O.A. IMV, 294. (JCM 6168). Received as: *Rhodococcus maris*. Synonym: *Rhodococcus maris* (ex Harrison 1929) Nesterenko et al. 1982. Ex: soil, impregnated with oil, oil and gas field, Ukraine, Poltava. (Medium 183, 28°C, F-1, C-1)

Ac-983 <-- Nesterenko O.A. IMV, 392. (JCM 6169). Received as: *Rhodococcus maris*. Synonym: *Rhodococcus maris* (ex Harrison 1929) Nesterenko et al. 1982. Ex: soil, impregnated with oil, oil and gas field, Ukraine, Poltava. (Medium 183, 28°C, F-1, C-1)

Ac-2170 <-- VKM, VKM B-1042 <-- INMI, VKM B-1042 <-- VNIISHM, 253. Received as: *Sarcina* sp. Former name: "*Sarcina erythomyxa*" (Zopf) Chester 1901. (Medium 166, 28°C, F-1, C-1, F-3)

***Ectothiorhodospira shaposhnikovii*** Cherni et al. 1969 emend. Ventura et al. 2000

B-1525 Type <-- Kondrat'eva E.N., KM MGU, 1. (DSM 243). Synonym: "Autotrophic *Rhodopseudomonas* spec." Kondrat'eva 1956, *Ectothiorhodospira vacuolata* Imhoff et al. 1982. (Medium 203, 30°C, anaerobic in light, F-2, S-2)

***Empedobacter brevis*** (Holmes and Owen 1982) Vandamme et al. 1994

B-965 <-- INMI, VKM B-965 <-- INA, ATCC 14234. (ATCC 14234; DSM 30096). Received as: "*Flavobacterium brevis*". Synonym: *Flavobacterium breve* (ex Lustig 1890) Holmes and

Owen 1982; "Flavobacterium brevis" (sic) (Lustig 1890) Bergey et al. 1923. Ex: fish. (Medium 5, 30°C, F-1, S-5) (383, 367)

***Ensifer meliloti*** (Dangeard 1926) Young 2003

B-117 <-- INMI, VKM B-117 <-- VNIISHM, 422a. Received as: *Rhizobium meliloti*. Synonym: *Rhizobium meliloti* Dangeard 1926; *Sinorhizobium meliloti* (Dangeard 1926) De Lajudie et al. 1994. Ex: alfalfa, *Medicago sativa*, Kazakhstan, Alma-Ata region. (Medium 72, 28°C, F-1, C-1, F-3)

B-489 <-- INMI, VKM B-489 <-- VNIISHM, 414a. Received as: *Rhizobium meliloti*. Synonym: *Rhizobium meliloti* Dangeard 1926; *Sinorhizobium meliloti* (Dangeard 1926) De Lajudie et al. 1994. Ex: alfalfa, *Medicago sativa*. (Medium 72, 28°C, F-1, C-1, F-3)

B-1009 <-- INMI, VKM B-1009 <-- VNIISHM, 279. Received as: *Rhizobium meliloti*. Synonym: *Rhizobium meliloti* Dangeard 1926; *Sinorhizobium meliloti* (Dangeard 1926) De Lajudie et al. 1994. Ex: *Melilotus* sp., Estonia. (Medium 72, 28°C, F-1, C-1, F-3)

B-1010 <-- INMI, VKM B-1010 <-- VNIISHM, 288. Received as: *Rhizobium meliloti*. Synonym: *Rhizobium meliloti* Dangeard 1926; *Sinorhizobium meliloti* (Dangeard 1926) De Lajudie et al. 1994. Ex: *Melilotus* sp., Kazakhstan, Kustanai region. (Medium 72, 28°C, F-1, C-1, F-3)

B-1011 <-- INMI, VKM B-1011 <-- VNIISHM, 285. Received as: *Rhizobium meliloti*. Synonym: *Rhizobium meliloti* Dangeard 1926; *Sinorhizobium meliloti* (Dangeard 1926) De Lajudie et al. 1994. Ex: *Melilotus* sp., Kazakhstan, Kustanai region. (Medium 72, 28°C, F-1, C-1, F-3)

***Enterococcus avium*** (ex Nowlan and Deibel 1967) Collins et al. 1984

B-1673 Type <-- IMET, IMET 3257 <-- IFM, Q 28/58. (ATCC 14025; IMFT 3257; BTCC 28/58; DSM 20679; NCTC 9938; NCDO 2369; HNCMB 80149). Synonym: "*Streptococcus avium*" Nowlan and Deibel 1967. Ex: human feces. (Medium 157, 37°C, F-1, S-5) (390, 415, 444)

***Enterococcus durans*** (ex Sherman and Wing 1937) Collins et al. 1984

B-603 <-- INMI, VKM B-603 <-- CCM, CCM 1876. (NCIB 662 ("*Enterococcus durans*"); NCTC 662; CCM 1876; BUCSAV 301). Received as: *Streptococcus lactis*. Synonym: "*Streptococcus durans*" Sherman and Wing 1937. Ex: milk. (Medium 75, 37°C, F-1, S-5)

***Enterococcus faecalis*** (Andrewes and Horder 1906) Schleifer and Kilpper-Balz 1984

B-871 <-- INMI, VKM B-871 <-- Vanyushin B.F. MGU <-- Clark W.A., 10 c1. Received as: *Streptococcus faecalis*. Synonym: *Streptococcus faecalis* Andrewes and Horder 1906. (Medium 75, 37°C, F-1, S-5)

***Enterococcus faecium*** (Orla-Jensen 1919) Schleifer and Kilpper-Balz 1984

B-6 <-- INMI, VKM B-6 <-- Solntseva L.I. INMI. Received as: *Streptococcus faecalis*. Synonym: *Streptococcus faecium* Orla-Jensen 1919. (Medium 75, 37°C, F-1, S-5) (1626)

B-602 <-- INMI, VKM B-602 <-- CCM, CCM 1874. (CCM 1874; NCIB 8128; BUCSAV 426). Received as: *Streptococcus faecalis*. Synonym: *Streptococcus faecium* Orla-Jensen 1919. (Medium 75, 37°C, F-1, S-5)

***Enterococcus hirae*** Farrow and Collins 1985

B-2107 Type <-- ATCC, ATCC 9790. (ATCC 9790, 8043; CCM 2423; CCUG 1332; CCUG 18659; CCUG 19917; CIP 53.48; CFBP 4250; DSM 20160; HAMB1 644; HAMB1 1709; IFO (now NBRC) 3181; JCM 8729; LMG 6399; NCCB 46070; NCCB 58005; NCIMB 6459 (formerly NCDO 1258); NCTC 12367). (Medium 5, 37°C, F-1)

***Eubacterium barkeri*** (Stadtman et al. 1972) Collins et al. 1994

B-1775 Type <-- DSM, DSM-1223 <-- ATCC, ATCC 25849. (ATCC 25849; NCIB 10623; NCIMB 10623; DSM 1223; ICM 1389; Smith L.DS. VPI 5359). Received as: *Clostridium barkeri*. Synonym: *Clostridium barkeri* Stadtman et al. 1972 Type. Ex: Potomac river mud by

enrichment, USA. (Medium 152, 37°C, F-1, S-5) (1366)

**"*Excelllospora japonica*"** Furihata and Shimazu

Ac-2001 <-- JCM, JCM 3396. (BCRC 13423; IFO 14486; JCM 3396). (Medium 214, 50°C, F-1) (3308)

***Flavobacterium aquatile*** (Frankland and Frankland 1889) Bergey et al. 1923

B-1173 Type <-- INMI, VKM B-1173 <-- NCIB, NCIB 8694. (VKM B-1651; ATCC 11947; NCIB 8694; NCIMB 8694; NCMB 644; DSM 1132; CIP 55.141; Taylor E.W., F 36). Ex: deep well in the chalk region, Kent, England. (Medium 56, 30°C, F-1, S-5, S-4) (439, 1186, 1366)

***Flavobacterium johnsoniae*** corrig. (Stanier 1947) Bernardet et al. 1996

B-1426 <-- NCMB, NCMB 1382. (ATCC 23107; DSM 6792; LMG 3987; NCMB 1382; NCIMB 1382; NBRC 15970). Received as: *Flexibacter aurantiacus*. Synonym: *Cytophaga johnsonae* Stanier 1947. Ex: garden soil, USA. (Medium 52, 28°C, F-1, S-5) (511, 898, 1366)

***Flavobacterium pectinovorum*** (Reichenbach 1989) Bernardet et al. 1996

B-1171 Type <-- INMI, VKM B-1171 <-- NCIB, NCIB 9059 <-- Dorey M.Y., 81. (ATCC 19366; NCIB 9059; CIP 104742; DSM 6368; IFO (now NBRC) 15945; JCM 8518; LMG 4031). Synonym: *Cytophaga pectinovora* (ex Dorey 1959) Reichenbach 1989. (Medium 56, 25°C, F-1, S-5, S-4) (363, 502)

***Flavobacterium* sp.**

B-1338 <-- INMI, VKM B-1338 <-- Kondratyeva L.M. KhCRI. Received as: "*Flavobacterium vulkanense*" Ten Hak Mun and Kondratjeva 1980 Type. Ex: volcanic ashes, Kunashir Island, volcano Tyatya, Russia. (Medium 56, 30°C, F-1, S-4, S-5) (132)

***Flectobacillus major*** (Gromov 1963) Larkin et al. 1977

B-859 Type <-- INMI, VKM B-859 <-- Gromov B.V. LM BiNII StPGU. (ATCC 29496; DSM 103; 65 CCM 2921; CCUG 14833; NCIMB 11363). Received as: "*Microcyclus major*". Synonym: "*Microcyclus major*" Gromov 1963 Type. Ex: *Scenedesmus* sp., Lake Chudskoye, Russia. (Medium 162, 28°C, F-1, C-1, F-3) (1022, 1004, 1366)

***Flexibacter tractuosus*** (Lewin 1969) Leadbetter 1974

B-1430 Type <-- INMI, VKM B-1430 <-- NCMB, NCMB 1408 <-- Lewin R.A., H-43. (ATCC 23168; NCMB 1408; NCIMB 1408; DSM 4126; Lewin R.A., H-43 ("*Microscilla tractuosa*"). Synonym: "*Microscilla tractuosa*" Lewin 1969. Ex: beach sand, Vietnam. (Medium 178, 28°C, F-1, C-5) (511, 1366)

***Frankia* sp.**

Ac-918 <-- Baker D.D., DDB 010210 = Baker D.D., Ar I4. Ex: red alder, *Alnus rubra*, root nodules, USA. (Medium 131, 28°C, F-1, C-1) (164, 380, 893, 1479, 1480, 1481)

***Frankia* sp.**

Ac-919 <-- Baker D.D., DDB 130120 = Baker D.D. EuI1b. (VKM Ac-1255). Ex: *Elaeagnus umbellata*, hydroponics culture, root nodules, USA. (Medium 131, 28°C, F-1, C-1) (164, 893, 1479, 1480, 1481)

***Frankia* sp.**

Ac-920 <-- Lechevalier M.P., LLR 01321. Ex: speckled alder, *Alnus incana*, root nodules, USA. (Medium 131, 28°C, F-1, C-1) (164, 893, 1479, 1480, 1481)

**Frankia** sp.

Ac-921 <-- Lechevalier M.P., LLR 01322. Ex: speckled alder, *Alnus incana*, root nodules, USA. (Medium 131, 28°C, F-1, C-1) (164, 893, 1347, 1479, 1480, 1481)

**Frankia** sp.

Ac-922 <-- Akkermans A.D.L., An 2-1. Ex: alder, *Alnus nitida*, root nodules, Pakistan. (Medium 131, 28°C, F-1, C-1) (894, 1479, 1480)

**Frankia** sp.

Ac-1015 <-- Akkermans A.D.L., Avc II.R.1. Ex: reisolated from strain Av cII; alder, *Alnus viridis* subsp. *crispa*, root nodules. (Medium 131, 28°C, F-1, C-1) (164, 493, 893, 1479, 1480)

**Frankia** sp.

Ac-1251 <-- Sundman V., UHF 01111 (Sundman V., Ai 15a). Ex: speckled alder, *Alnus incana*, root nodules, Finland. (Medium 131, 28°C, F-1, C-3) (1479, 1480, 1481)

**Frankia** sp.

Ac-1252 <-- Berry A.M. USA, Ar I3 <-- HFP 013003. Ex: red alder, *Alnus rubra*, root nodules, USA. (Medium 131, 28°C, F-1, C-1) (1479, 1480, 1481)

**Frankia** sp.

Ac-1253 <-- Torrey J.G. USA <-- HFP 070101 (Torrey J.G., Cp II). Ex: *Comptonia peregrina*, root nodules, USA. (Medium 131, 28°C, F-1, C-3) (1479, 1480, 1481)

**Frankia** sp.

Ac-1254 <-- Sundman V., Ag9b. Ex: black alder, *Alnus glutinosa*, root nodules, Finland. (Medium 131, 28°C, F-1, C-3) (1479, 1480)

**Frankia** sp.

Ac-1256 <-- Torrey J.G. USA <-- DDB 010110. Ex: alder, *Alnus viridis* subsp. *crispa*, root nodules, Ontario, Canada. (Medium 131, 28°C, F-1, C-1) (1479, 1480, 1481)

**Frigoribacterium faeni** Kampfner et al. 2000

Ac-2505 Type <-- DSM, DSM 10309. (ATCC BAA-3; DSM 10309; JCM 11265). Ex: hay dust, Finland. (Medium 166, 28°C, F-1)

Ac-2506 <-- DSM, DSM 10310. (DSM 10310). Ex: hay dust, Finland. (Medium 166, 28°C, F-1)

Ac-2507 <-- DSM, DSM 10311. (DSM 10311). Ex: hay dust, Finland. (Medium 166, 28°C, F-1)

**Frigoribacterium** sp.

Ac-1396 <-- IBPM, DL-74. Ex: *Festuca* sp., leaf gall induced by *Anguina graminis*, Moscow region, Russia (Medium 166, 28°C, F-1)

**Geobacillus gargensis** Nazina et al. 2004

B-2300 Type <-- Nazina T., INMI, Ga<sup>T</sup> (Strain Ga<sup>T</sup>, DSM 15378) Ex: Garga hot spring, the north-eastern part of the Transbaikal region, Russia. (Medium 3, 60–65°C, F-3, S-5).

**Geobacillus jurassicus** Nazina et al. 2005

B-2301 Type <-- Nazina T., INMI, DS1 (strain DS1, CCM 7224, DSM 15726). Ex: high-temperature Dagang oilfield, China. (Medium 3, 60 °C, F-3, S-5).

B-2302 <-- Nazina T., INMI, DS2 (strain DS2, DSM 15727). Ex: high-temperature Dagang oilfield, China. (Medium 3, 60°C, F-3, S-5).

***Geobacillus lituanicus*** Kuisiene et al. 2004

B-2294 Type <-- Kuisiene N., N-3 (strain N-3, DSM 15325). Ex: high-temperature oilfield, Girkaliai, Lithuania. (Medium 5, 60°C, F-3, S-5).

***Geobacillus stearothermophilus*** (Donk 1920) Nazina et al. 2001

B-510 Type <-- INMI, VKM B-510 <-- NCTC, NCTC 10339 <-- Smith N.R., T 18. (ATCC 12980; NCIB 8923; NCIMB 8923; NCTC 10339; DSM 22; CCM 2062; IAM 11062; IFO 12550; JCM 2501; NCA 26; CCEB 641; CIP 66.23; Smith N.R., T 18). Received as: *Bacillus stearothermophilus*. Synonym: *Bacillus stearothermophilus* Donk 1920 Type. (Medium 5, 55°C, F-1, S-5, S-4)

B-715 <-- INMI, VKM B-715 <-- NCIB, NCIB 8157 <-- Smith N.R., T 17. (ATCC 7953; NCIB 8157; NCIMB 8157, 8925; NCTC 10007; NCA 1518; Smith N.R., T 17). Received as: *Bacillus stearothermophilus*. Synonym: *Bacillus stearothermophilus* Donk 1920. (Medium 3, 30°C, F-1, S-4)

B-716 <-- INMI, VKM B-716 <-- NCIB, NCIB 8222 <-- Smith N.R., T 141. (NCIB 8222; NCA 1168; Smith N.R., T 141). Received as: *Bacillus stearothermophilus*. Synonym: *Bacillus stearothermophilus* Donk 1920. (Medium 3, 60°C, F-1, S-4) (311, 716)

B-718 <-- INMI, VKM B-718 <-- NCIB, NCIB 8224 <-- Smith N.R., T 148. (NCIB 8224; CCM 2186; NCA C-1235.1; Smith N.R., T 148). Received as: *Bacillus stearothermophilus*. Synonym: *Bacillus stearothermophilus* Donk 1920. (Medium 3, 60°C, F-1, S-4)

B-2101 <-- Rowe M. Centre for Food and Agriculture Microbiology, ATCC 10149. (ATCC 10149). Received as: *Bacillus stearothermophilus*. Synonym: *Bacillus stearothermophilus* Donk 1920. (Medium 5, 55°C, F-1, S-4)

B-2194 <-- DSM, DSM 494. (DSM 494, NCTC 10003). Received as: *Bacillus stearothermophilus*. Synonym: *Bacillus stearothermophilus* Donk 1920. Standard for steam sterilization control. (Medium 3, 60°C, F-1, S-4)

B-2195 <-- DSM, DSM 2313. (DSM 2313, NCIB 10278). Received as: *Bacillus stearothermophilus*. Synonym: *Bacillus stearothermophilus* Donk 1920. Produces thermostable amylase. (Medium 3, 60°C, F-1, S-4)

B-2196 <-- DSM, DSM 2357. (DSM 2357, NCIB 10279). Received as: *Bacillus stearothermophilus*. Synonym: *Bacillus stearothermophilus* Donk 1920. Produces thermostable amylase. (Medium 3, 60°C, F-1, S-4)

***Geobacillus thermocatenulatus*** (Golovacheva et al. 1991) Nazina et al. 2001

B-1259 Type <-- INMI, VKM B-1259 - Golovacheva R.S, Loginova L.G. INMI, 178. (DSM 730; LMG 19007). Received as: *Bacillus thermocatenulatus*. Synonym: *Bacillus thermocatenulatus* Golovacheva et al. 1991 Type. Ex: thermic gas drilling well, m.Jangan-Tau, Southern Ural, Russia. (Medium 3, 60°C, F-1, S-4)

***Geodermatophilus obscurus*** Luedemann 1968

Ac-658 Type <-- INMI, VKM A-658 <-- RIA, RIA 944. (RIA 944; ATCC 25078; CBS 237.69; DSM 43160; IFO 13315; JCM 3152; NRRL B-3577). Ex: soil, Amargosa Desert, USA, Nevada. (Medium 158, 28°C, F-1, C-1) (449, 1357)

Ac-659 <-- INMI, VKM A-659 <-- RIA, RIA 945. (RIA 945; ATCC 25080; CBS 234.69; DSM 43161; IFO 13317; IMET 9241; JCM 3154; NRRL B-3579). Received as: *Geodermatophilus obscurus* subsp. "*dictyosporus*" Luedemann 1968 Type. Ex: soil, Westgard Pass, USA, California. (Medium 158, 28°C, F-1, C-1) (449, 1357)

Ac-1443 <-- DSM, DSM 43162. (ATCC 25079; CBS 235.69; DSM 43162; IFO 13318; IMET 9242; NRRL B-3580). Synonym: *Geodermatophilus obscurus* subsp. "*utahensis*" Luedemann 1968 Type. Ex: soil, USA. (Medium 158, 28°C, F-1) (1357)

***Geodermatophilus* sp.**

Ac-1439 <-- Dobrovolskaya T.G. DSB MGU, 2BL. Ex: soil, Kyzyl-Kum Desert, Uzbekistan, Bukhara. (Medium 190, 28°C, F-1)

***Geodermatophilus* sp.**

Ac-1440 <-- Dobrovolskaya T.G. DSB MGU, 26K1. Ex: soil, Kyzyl-Kum Desert, Uzbekistan, Bukhara. (Medium 190, 28°C, F-1)

***Geodermatophilus* sp.**

Ac-1441 <-- Dobrovolskaya T.G. DSB MGU, 2GE 114. Ex: soil, Kyzyl-Kum Desert, Uzbekistan, Bukhara. (Medium 190, 28°C, F-1)

***Geodermatophilus* sp.**

Ac-1442 <-- Dobrovolskaya T.G. DSB MGU, 25 G1. Ex: soil, Kyzyl-Kum Desert, Uzbekistan, Bukhara. (Medium 190, 28°C, F-1)

***Giesbergia giesbergi* (Williams and Rittenberg 1957) Grabovich et al. 2006**

B-1404 Type <-- INMI, VKM B-1404 <-- ATCC, ATCC 11334. (ATCC 11334; NCIB 9073; NCIMB 9073; NRRL B-2060; CCUG 15844). Received as: *Aquaspirillum giesbergi*. Synonym: *Aquaspirillum giesbergi* (Williams and Rittenberg 1957) Hylemon et al. 1973 Type. Ex: pond water. (Medium 172, 28°C, F-1, C-1, F-3)

***Giesbergia kuznetsovii* Grabovich et al. 2006**

B-2352 Type <-- Grabovich M., VSU, D-412 (D-412; DSM 12827; CIP 109213). Received as: "*Aquaspirillum kuznetsovii*". Ex: sulfide spring, Russia. (Medium 238, 30°C, F-2, S-3)

***Giesbergia voronezhensis* Grabovich et al. 2006**

B-2350 Type <-- Grabovich M., VSU, D-419 (D-419; DSM 12825; CIP 107340). Received as: "*Aquaspirillum voronezhense*". Ex: active sludge of wastewater, Russia. (Medium 238, 30°C, F-2, S-3)

B-2351 <-- Grabovich M., VSU, D-420. (D-420; DSM 12828). Received as: "*Aquaspirillum voronezhense*". Ex: Active sludge of waste water aeration tank; Russia. (Medium 238, 30°C, F-2, S-3)

B-2355 <-- Grabovich M., VSU, D-424. (D-424). Received as: "*Aquaspirillum voronezhense*". Ex: Active sludge of waste water aeration tank; Russia. (Medium 238, 30°C, F-2, S-3)

***Gluconobacter cerinus* (ex Asai 1935) Yamada and Akita 1984 emend. Katsura et al. 2002**

B-1283 <-- INMI, VKM B-1283 <-- KM StPGU, Yg-22 <-- Bukin V.N., Yg-22. (IAM 1833). Synonym: "*Gluconobacter cerinus*" Yamada and Akita 1984. Ex: fruit, Japan. (Medium 120, 26-28°C, F-1, S-5) (128, 469, 472)

***Gluconobacter oxydans* (Henneberg 1897) De Ley 1961 emend. Gosselé et al. 1983 emend. Mason and Claus 1989**

B-1227 <-- INMI, VKM B-1277 <-- CCM, CCM 1772 <-- BUCSAV, Bu 113. (VKM B-1277; ATCC 9937; NCIB 8084; van Niel C.B., M.A.61). Synonym: "*Acetobacter oxydans*" (Henneberg 1897) Bergey et al. 1923, "*Gluconobacter oxydans*" (Henneberg 1897) Asai in Asai et al. 1964. (Medium 120, 28°C, F-1, S-5) (384, 393, 1428)

B-1280 <-- INMI, VKM B-1280 <-- KM StPGU, NCIB 5595 <-- NCIB, NCIB 5595. (NCIB 5595; NCTC 5595). Received as: "*Acetobacter suboxydans* subsp. *muciparum*" Frateur 1950. Synonym: "*Acetobacter oxydans*" (Henneberg 1897) Bergey et al. 1923, "*Gluconobacter oxydans*" (Henneberg 1897) Asai in Asai et al. 1964. (Medium 120, 26-28°C, F-1, S-5) (128)

***Gluconobacter* sp.**

B-1284 <-- INMI, VKM B-1284 <-- KM StPGU, H-15 <-- Bukin V.N. BINII StPGU, H-15. Received as: "*Gluconobacter suboxydans*" (Kluyver and de Leeuw 1924) Asai and Shoda 1958. Ex: fruit, Japan. (Medium 120, 26-28°C, F-1, S-5) (472, 478, 1353)

***Gluconobacter* sp.**

B-1285 <-- INMI, VKM B-1285 <-- KM StPGU, A-3. Received as: "*Gluconobacter suboxydans*" (Kluyver and de Leeuw 1924) Asai and Shoda 1958. Ex: fruit. (Medium 99, 26-28°C, F-1, S-5)

***Gluconobacter thailandicus* Tanasupawat et al. 2005**

B-885 <-- INMI, VKM B-885 <-- KM StPGU, NCIB 7069. (ATCC 621; NCIB 621, 7069, 8035; NCIMB 621, 7069, 8035; NCTC 7069; CCM 1783; NRRL B-72; IFO 3172; DSM 50049; CCUG 18135; CIP 53.162; CECT 360; IAM 1829; NCDO 2008). Received as: "*Acetobacter suboxydans*". (Medium 120, 26-28°C, F-1, S-5) (128, 374, 417, 472, 478, 489, 490, 938)

***Glycomyces harbinensis* Labeda et al. 1985**

Ac-1247 Type <-- Lechevalier M., LL-D05139. (ATCC 43155; DSM 46494; IFO 14487; IMET 43812; JCM 7347; NRRL 15337). Ex: soil, China, Harbin. (Medium 205, 28°C, F-1) (1335, 1357, 2879, 3222)

***Glycomyces rutgersensis* Labeda et al. 1985**

Ac-1248 Type <-- Lechevalier M., LL-1-20. (ATCC 43156; DSM 43812; IFO 14488, 15934; IMET 43813; JCM 6238; NRRL B-16106). Ex: soil, USA, New-Jersey. (Medium 205, 28°C, F-1) (1145, 1335, 3222)

***Glycomyces tenuis* Evtushenko et al. 1991**

Ac-1250 Type <-- Terekhova L.P., n-5888. (ATCC 49849; DSM 44171; IFO 15904; JCM 9087; KCTC 9658; NRRL B-16895). Received as: *Streptomyces* sp. Ex: contaminant of strain *Streptomyces galilaeus* INA 5888 (VKM Ac-1280), a single isolate. (Medium 64, 28°C, F-1, C-1) (1336, 2566, 3222)

***Goodfellowia coeruleoviolacea* (Preobrazhenskaya and Terekhova 1987) Labeda and Kroppenstedt 2006**

Ac-1083 Type <-- INA, INA 3564. (INA 3564; DSM 43935; IFO 14988; JCM 9110; NRRL B-24058). Received as: *Actinomadura coeruleoviolacea*. Synonym: *Saccharothrix coeruleoviolacea* (Preobrazhenskaya and Terekhova 1987) Kroppenstedt et al. 1991 Type, *Actinomadura coeruleoviolacea* Preobrazhenskaya and Terekhova 1987 Type. Ex: soil. (Medium 205, 37°C, F-1, C-1) (705, 779, 1030, 1036, 1814)

***Gordonia amarae* (Lechevalier and Lechevalier 1974) Klatte et al. 1994**

Ac-801 Type <-- IMET, IMET 7518 <-- Gordon R.E., IMRU 3960. (ATCC 27808; CCM 2753; CIP 104501; DSM 43392; IFO 15530; IMET 7518; JCM 3171; NCIMB 11222; NRRL B-8176, B-16281). Received as: *Nocardia amarae*. Synonym: *Nocardia amarae* Lechevalier and Lechevalier 1974 Type. Ex: foam on activated sludge, Andover, Miami, USA, Florida. (Medium 183, 28°C, F-1, C-1) (292, 356, 2778)

***Gordonia bronchialis* (Tsukamura 1971) Stackebrandt et al. 1989**

Ac-956 Type <-- Nesterenko O.A. IMV, R-654 <-- Goodfellow M., N 654. (ATCC 25592; CCM 2631; DSM 43247; IFO 16047; IMET 7370; JCM 3198, 3231; LMG 5355; NCTC 10667). Synonym: *Rhodococcus bronchialis* (Tsukamura 1971) Tsukamura 1974 Type, "*Gordonia* (sic) *bronchialis*" Tsukamura 1971. Ex: sputum of woman with cavitory disease of both upper lungs. (Medium 183, 28°C, F-1, C-1) (517, 762, 2729)

***Gordonia rhizosphaera* Takeuchi and Hatano 1998**

Ac-2072 Type <-- IFO, IFO 16068. (CIP 105727; DSM 44383; IFO 16068; JCM 10426). Ex: soil and the surface of fine roots in rhizosphaera, *Bruguiera gymnorrhiza* Lamk, mangrove forest in

the Shiira river estuary, Iriomote island, Japan. (Medium 166, 28°C, F-1)

***Gordonia rubripertincta*** (Hefferan 1904) Stackebrandt et al. 1989

- Ac-1016 Type <-- Nesterenko O.A. IMV, N 4 <-- Goodfellow M., N 4. (ATCC 14352; CIP 104661; DSM 43197; IMET 7277; JCM 3204; LMG 5367; NBRC 101908; NCIMB 9664).  
Synonym: *Rhodococcus rubropertinctus* (Hefferan 1904) Tsukamura 1974 Type, "*Nocardia rubropertincta*" (Hefferan 1904) Waksman and Henrici 1948. Ex: soil. (Medium 183, 28°C, F-1, C-1) (517, 762, 2729)
- Ac-1017 <-- Nesterenko O.A. IMV, N 657 <-- Goodfellow M., N 657. (ATCC 25593; DSM 43248; IMET 7372; JCM 3199, 3227; LMG 5368; NCTC 10668; NRRL B-16540). Received as: *Rhodococcus corallinus*. Synonym: *Rhodococcus corallinus* (Bergey et al. 1923) Goodfellow and Alderson 1977 Type, *Rhodococcus rubropertinctus* (Hefferan 1904) Tsukamura 1974. Ex: soil. (Medium 184, 28°C, F-1, C-1) (517, 803)
- Ac-1165 <-- INMI, VKM B-853 <-- KM MGU, 48-47. Received as: "*Mycobacterium lacticola*" Lehmann and Neumann 1927. Ex: stratum waters of gas field. (Medium 64, 28°C, F-1) (96, 97)
- Ac-1166 <-- INMI, B-854 <-- KM MGU, 35. Received as: "*Mycobacterium lacticola*" Lehmann and Neumann 1927. Ex: stratum waters of gas field. (Medium 64, 28°C, F-1) (613, 624)

***Gordonia terrae*** (Tsukamura 1971) Stackebrandt et al. 1989

- Ac-1023 Type <-- Nesterenko O.A. IMV, N 659 <-- Goodfellow M., N 659. (ATCC 25594; DSM 43249; IMET 7371; JCM 3206, 3229; LMG 5369; NBRC 100016; NCTC 10669; NRRL B-16283). Received as: *Rhodococcus terrae*. Synonym: *Rhodococcus terrae* (Tsukamura 1971) Tsukamura 1974 Type, "*Gordonia* (sic) *terrae*" Tsukamura 1971. Ex: soil. (Medium 183, 28°C, F-1, C-1) (292, 762, 851, 856, 2729)

***Haloarcula hispanica*** Juez et al. 1986

- B-1755 Type <-- Tindall B. DSM, DSM 4426 <-- Rodriguez- Valera F. <-- Juez G., Y.27. (ATCC 33960; NCMB 2187; NCIMB 2187; DSM 4426; Juez G., Y.27). Ex: solar saltern, Spain, Alcante. (Medium 185, 37°C, S-3)

***Haloarcula japonica*** Takashina et al. 1991

- B-2009 Type <-- JCM, JCM 7785. (JCM 7785; ATCC 49778; DSM 6131; JCM 7785; NBRC 101032; TR-1). (Medium 185, 42°C, S-5, C-5)

***Haloarcula marismortui*** (Elazari-Volkani 1957) Oren et al. 1990

- B-1809 Type <-- Tindall B. DSM, DSM 3752 <-- Ginzburg M. (DSM 3752; ATCC 43049).  
Synonym: "*Halobacterium marismortui*" Elazari-Volkani 1957, "*Flavobacterium marismortui*" Elazari-Volkani 1940. Ex: Dead Sea, Israel. (Medium 185, 37°C, S-5)

***Haloarcula* sp.**

- B-1952 <-- Ventosa A., ATCC 33799 <-- ATCC, ATCC 33799. (ATCC 33799 (*Haloarcula* sp.)). Ex: solar saltern, California, USA. (Medium 372, 37°C, S-5)

***Haloarcula* sp.**

- B-1953 <-- Ventosa A., ATCC 33800 <-- ATCC, ATCC 33800. (ATCC 33800 (*Haloarcula* sp.); IAM 13182; JCM 8862; NCIMB 2268). Ex: brine at the Red Sea sabkha. (Medium 372, 37°C, S-5)

***Haloarcula vallismortis*** (Gonzalez et al. 1979) Torreblanca et al. 1986

- B-1791 Type <-- Zvyagintseva I.S. INMI, CCM 3404 <-- CCM, CCM 3404 <-- Gonzalez C., J.F. 54. (VKM B-1398; CCM 3404; ATCC 29715; NCMB 2082; DSM 3756; Gonzalez C., JF 54).  
Synonym: *Halobacterium vallismortis* Gonzalez et al. 1979 Type. Ex: Death Valley, USA, California. (Medium 185, 40°C, S-5) (315, 373, 1211, 1222, 1269, 1298)

***Halobacterium salinarum*** corrig. (Harrison and Kennedy 1922) Elazari-Volcani 1957 emend. Gruber et al. 2004

B-1769 Type <-- Tindall B. DSM, DSM 3754 <-- NRC, NRC 34002 <-- Gibbons N.E. <-- Lochhead A.G., 91-R6. (ATCC 33171; DSM 3754; NRC 34002; NCMB 764; Lochhead A.G., 91-R6). Synonym: "*Pseudomonas salinaria*" Harrison and Kennedy 1922 Type. Ex: salted cow hide, Canada. (Medium 185, 37°C, S-5) (1205, 1222, 1257)

B-1781 <-- Tindall B. DSM, DSM 4929 <-- Petter H.F.M. (DSM 4929). Synonym: "*Pseudomonas salinaria*" Harrison and Kennedy 1922. Ex: salted herring. (Medium 185, 37°C, S-5) (1222, 1257)

B-1808 <-- Tindall B. DSM, DSM 669. (VKM B-997; ATCC 33170; DSM 669; NRC 34001; Lochhead A.G., 63-R2). Synonym: "*Pseudomonas salinaria*" Harrison and Kennedy 1922. Ex: salted buffalo hide. (Medium 185, 37°C, S-5) (1222)

***Halococcus morrhuae*** (Farlow 1880) Kocur and Hodgkiss 1973

B-1772 Type <-- Tindall B. DSM, DSM 1307 <-- CCM, CCM 537 <-- van Niel C.B., LD.3.1. (ATCC 17082; DSM 1307; NCMB 787; NCIMB 787; CCM 537; van Niel C.B., LD.3.1.). Ex: Dead Sea, Israel. (Medium 185, 37°C, S-5) (351, 1222, 1257, 1269, 1280)

***Halococcus saccharolyticus*** Montero et al. 1990

B-1770 Type <-- Tindall B. DSM, DSM 5350 <-- Ventosa A., P-423. (ATCC 49257; DSM 5350; CCM 4147; Ventosa A., P-423). Ex: salt pans, Spain, Cadiz, San Fernando. (Medium 185, 37°C, S-5)

***Halococcus salifodinae*** Denner et al. 1994

B-2108 Type <-- DSM, DSM 8989. (DSM 8989; JCM 9578; ATCC 51437; Blp). Ex: Rock salt; Austria. (Medium 185, 40°C, S-5, C-5)

***Haloferax denitrificans*** (Tomlinson et al. 1986) Tindall et al. 1989

B-1754 Type <-- Tindall B. DSM, DSM 4425 <-- Hochstein L.I., S1. (DSM 4425; ATCC 35960; Hochstein L.I., S1). Received as: *Halobacterium denitrificans*. Synonym: *Halobacterium denitrificans* Tomlinson et al. 1986 Type. Ex: saltern, USA, San-Francisco. (Medium 185, 37°C, S-5)

***Haloferax gibbonsii*** Juez et al. 1986

B-1756 Type <-- Tindall B. DSM, DSM 4427 <-- Rodriguez- Valera F., MA2.38 <-- Juez G., Ma 2.38. (ATCC 33959; DSM 4427; NCMB 2188; NCIMB 2188; Juez G., Ma 2.38). Ex: saltern, Alicante, Spain. (Medium 185, 37°C, C-5)

***Haloferax mediterranei*** (Rodriguez-Valera et al. 1983) Torreblanca et al. 1987

B-1748 Type <-- Tindall B. DSM, DSM 1411 <-- Rodriguez-Valera F., r-4. (VKM B-1538; DSM 1411; ATCC 33500; CCM 3361; Rodriguez-Valera F., r-4). Synonym: *Halobacterium mediterranei* Rodriguez-Valera et al. 1983 Type. Ex: salt pond, Alicante, Spain. (Medium 185, 37°C, S-5) (1218,1222)

***Haloferax*** sp.

B-1954 <-- Zvyagintseva I.S. INMI, 39. Received as: "*Haloferax pamirei*" Zvyagintseva Type. (Medium 185, 37°C, S-5)

***Haloferax volcanii*** (Mullakhanbhai and Larsen 1975) Torreblanca 1986

B-1768 Type <-- Tindall B. DSM, DSM 3757 <-- NCMB, NCMB 2012 <-- Larsen H., DS2. (VKM B-1539; ATCC 29605; NCMB 2012; CCM 2852; DSM 3757; Larsen H., DS2). Synonym: *Halobacterium volcanii* Mullakhanbhai and Larsen 1975 Type. Ex: Dead Sea, Israel. (Medium 185, 37°C, S-5) (1222)

***Halorubrum distributum*** (Zvyagintseva and Tarasov 1989) Oren and Ventosa 1996

B-1733 Type <-- Zvyagintseva I.S. INMI, 1 M. Received as: *Halobacterium distributum*. Synonym: *Halobacterium distributum* Zvyagintseva and Tarasov 1989 Type. Ex: soil, sulfate salt-marsh, Turkmenistan, Gyaur-Kara. (Medium 194, S-5) (1415)

B-1739 <-- Zvyagintseva I.S. INMI, 4 P. Received as: *Halobacterium distributum*. Synonym: *Halobacterium distributum* Zvyagintseva and Tarasov 1989. Ex: solar crust of light-coloured sierozem, Turkmenistan, Ashkhabad region, Kaakhin district. (Medium 194, 37°C, S-5)

B-1740 <-- Zvyagintseva I.S. INMI, 13. Received as: *Halobacterium distributum*. Synonym: *Halobacterium distributum* Zvyagintseva and Tarasov 1989. Ex: solar saltern, Portugal. (Medium 194, 37-45°C, S-5)

***Halorubrum lacusprofundi*** (Franzmann et al. 1989) McGenity and Grant 1996

B-1753 Type <-- Tindall B. DSM, DSM 5036 <-- Franzmann P.D., ACAM 34. (DSM 5036; ATCC 49239; UQM 3107). Received as: *Halobacterium lacusprofundi*. Synonym: *Halobacterium lacusprofundi* Franzmann et al. 1989 Type. Ex: Deep Lake, Antarctic Continent, 68 33'6" S.lat. 78 11'6"E.long. (Medium 185, 30°C, S-5)

***Halorubrum saccharovororum*** (Tomlinson and Hochstein 1977) McGenity and Grant 1996

B-1747 Type <-- Tindall B. DSM, DSM 1137 <-- Hochstein L., M 6. (VKM B-1537; ATCC 29252; DSM 1137; NCMB 2081; NCIMB 2081). Received as: *Halobacterium saccharovororum*. Synonym: *Halobacterium saccharovororum* Tomlinson and Hochstein 1977 Type. Ex: saltern, San Francisco Bay, California, USA. (Medium 185, 37°C, S-5) (1222)

***Halorubrum sodomense*** (Oren 1983) McGenity and Grant 1996

B-1771 Type <-- Tindall B. DSM, DSM 3755 <-- NCMB, NCMB 2197 <-- ATCC, ATCC 33755 <-- Oren A., RD-26. (ATCC 33755; NCMB 2197; NCIMB 2197; DSM 3755; IFO 14740). Received as: *Halobacterium sodomense*. Synonym: *Halobacterium sodomense* Oren 1983 Type. Ex: Dead sea, Israel. (Medium 185, 37°C, S-5)

***Halorubrum trapanicum*** (Petter 1931) McGenity and Grant 1996

B-2026 Type <-- JCM, JCM 8979. (JCM 8979; NCIMB 767). Received as: *Halobacterium trapanicum*. Synonym: *Halobacterium trapanicum* (Petter 1931) Elazari-Volcani 1957 emend. Ross and Grant 1985 Type. (Medium 185, 37°C, S-5, C-5)

***Haloterrigena turkmenica*** (Zvyagintseva and Tarasov 1989) Ventosa et al. 1999

B-1734 Type <-- Zvyagintseva I.S. INMI, 4 K. (ATCC 51198; CIP 106419; DSM 5511; JCM 9101; NCIMB 13204). Received as: *Halococcus turkmenicus*. Synonym: *Halococcus turkmenicus* Zvyagintseva and Tarasov 1989. Ex: soil, sulfate salt-marsh. (Medium 194, 45°C, S-5) (1415)

***Hamadaea tsunoensis*** (Asano et al. 1989) Ara et al.2008

Ac-2010 Type <-- JCM, JCM 9105. (ATCC 49365; CIP 107014; DSM 44101; IFO 14552; IMSNU 22005; JCM 9105; NRRL B-16491). Received as: *Catellatospora tsunoense*. Synonym: *Catellatospora tsunoense* Asano et al. 1989 Type. Ex: woodland soil, Japan, Yamaguchi Pref., Tsuno-gun. (Medium 184, 28°C, F-1) (3306)

***Herbaspirillum autotrophicum*** (Aragno and Schlegel 1978) Ding and Yokota 2004

B-1394 Type <-- INMI, VKM B-1394 <-- Zavarzin G.A. INMI. (ATCC 29984; DSM 732; CCUG 12808; Aragno M., SA 32). Received as: *Aquaspirillum autotrophicum*. Synonym: *Aquaspirillum autotrophicum* Aragno and Schlegel 1978 Type. (Medium 88, 28°C, S-1, C-1, F-3)

***Herbidospora cretacea*** Kudo et al. 1993

Ac-1997 Type <-- JCM, JCM 8553. (ATCC 51904; DSM 44071; IFO 15474; JCM 8553; NCIMB 13372). Ex: soil, Japan, Saitama Pref. (Medium 184, 28°C, F-1) (3309)

***Hydrogenophaga palleronii*** (Davis 1970) Willems et al. 1989

B-1326 <-- INMI, VKM B-1326 <-- Zavarzin G.A. INMI, Z-11. Received as: "*Hydrogenomonas pantotropha*" (Kaserer) Orla-Jensen 1909. Synonym: *Pseudomonas palleronii* Davis 1970. Ex: activated sludge. (Medium 3, 30°C, F-1, F-3) (677)

B-1327 <-- INMI, VKM-B 1327 <-- Zavarzin G.A. INMI, Z-14. Received as: "*Hydrogenomonas pantotropha*" (Kaserer) Orla-Jensen 1909. Synonym: *Pseudomonas palleronii* Davis 1970. Ex: fermented sludge from digester. (Medium 3, 30°C, F-1, F-3) (677)

B-1328 Type <-- INMI, VKM B-1328 <-- Zavarzin G.A. INMI. (ATCC 17724; DSM 63; CCUG 1780). Received as: *Pseudomonas palleronii*. Synonym: *Pseudomonas palleronii* Davis 1970 Type. Ex: water. (Medium 3, 30°C, F-1, F-3) (680, 1366)

***Hydrogenophaga pseudoflava*** (Auling et al. 1978) Willems et al. 1989

B-1330 <-- INMI, VKM B-1330 <-- Zavarzin G.A. INMI, Z-1107. (DSM 1084; CCUG 22764; LMG 8355). Received as: "*Pseudomonas carboxydoflava*" Nozhevnikova and Zavarzin 1974 Type. Ex: mud and soil of Moskva river's bank, Russia, Moscow. (Medium 5, 28°C, F-1, C-1, F-3) (677, 1259, 1557, 1645)

***Hyphomicrobium chloromethanicum*** McDonald et al. 2001

B-2173 <-- Doronina N.V. IBPM, CM 1. Ex: soil. Utilizes chlormethane. (Medium 134 with CH<sub>3</sub>Cl, 30°C, C-8)

B-2176 Type <-- Doronina N.V. IBPM, CM 2. (NCIMB 13687). Ex: soil. Utilizes chlormethane. (Medium 134 with CH<sub>3</sub>Cl, 30°C, C-8)

B-2177 <-- Doronina N.V. IBPM, CM 9. Ex: soil. Utilizes chlormethane. (Medium 134 with CH<sub>3</sub>Cl, 30°C, C-8)

B-2178 <-- Doronina N.V. IBPM, CM 29. Ex: soil. Utilizes chlormethane. (Medium 134 with CH<sub>3</sub>Cl, 30°C, C-8)

B-2179 <-- Doronina N.V. IBPM, CM 35. Ex: soil. Utilizes chlormethane. (Medium 134 with CH<sub>3</sub>Cl, 30°C, C-8)

***Hyphomicrobium vulgare*** Stutzer and Hartleb 1899

B-1457 <-- Skerman V.B.D. UQM, UQM 1370. (UQM 1370). (Medium 128, 30°C, F-1, S-5, S-4) (1134)

***Hyphomicrobium zavarzinii*** Hirsch 1989

B-2174 Type <-- Doronina N.V. IBPM, ZV-622 <-- Zavarzin G.A. INMI, ZV-620. (ATCC 27496; DSM 1566). Ex: soil, Moscow region, Russia. (Medium 134, 30°C, C-8)

***Hyphomonas*** sp.

B-1380 <-- INMI, VKM B-1380 <-- Nikitin D.I. INMI, NA- 854. Received as: "*Hyphomonas olygotropha*" Nikitin et al. 1980. Ex: turf-podzol soil, USSR. (Medium 43, 25°C, F-1, S-5, S-4)

***Intrasporangium calvum*** Kalakoutskii et al. 1967

Ac-701 Type <-- Prauser H., IMET 7816. (RIA 920; ATCC 23552; DSM 43043; IFO 12989; IMET 7816; JCM 3097; NCIMB 10167; NRRL B-3866). Ex: air of dining-room, Russia, Moscow. (Medium 190, 28°C, F-1, C-1) (292, 767, 1145, 1357)

***Janthinobacterium lividum*** (Eisenberg 1891) De Ley et al. 1978

B-1223 Type <-- INMI, VKM B-1223 <-- CCM, CCM 160. (ATCC 12473; CCM 160; NCTC 9796; NCIB 9130; NCIMB 9130; DSM 1522; CCUG 2344; Sneath P.H.A., HB)

("Chromobacterium lividum"); Hans R.J., H-24). Received as: "*Chromobacterium lividum*".  
Synonym: "*Chromobacterium lividum*" (Eisenberg 1891) Bergey *et al.* 1923,  
"*Chromobacterium violaceum*" Leifson 1956. Ex: soil, Michigan, USA. (Medium 5, 28°C,  
F-3, C-1, F-3) (1023)

***Kibdelosporangium aridum*** subsp. *aridum* Shearer *et al.* 1986

Ac-1316 Type <-- DSM, DSM 43828. (ATCC 39323; DSM 43828; IFO 14493; JCM 7912; NRRL B-16436). Ex: desert soil, USA, Arizona. (Medium 205, 28°C, F-1, C-1) (1028, 1090, 1091)

***Kineococcus aurantiacus*** Yokota *et al.* 1993

Ac-1947 Type <-- IFO, IFO 15268. (ATCC 51238; CCM 4366; DSM 7487; IFO 15268; JCM 10180).  
Ex: soil. (Medium 184, 30°C, F-1) (3300)

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***Kineosporia aurantiaca*** Pagani and Parenti 1978 emend. Itoh *et al.* 1989

Ac-702 Type <-- Parenti F., A/10312. (ATCC 29727; DSM 43858; IFO 14067; JCM 3230; NCIMB 11473; NRRL B-16913). Ex: soil, France. (Medium 8, 28°C, F-1, C-1) (731, 1357)

***Kitasatospora cochleata*** (Nakagaito *et al.* 1993) Zhang *et al.* 1997

Ac-2515 Type <-- DSM, DSM 41652. (ATCC 51235; DSM 41652; IFO 14768; JCM 8799).  
Synonym: *Streptomyces cochleatus* Nakagaito *et al.* 1993 Type. Ex: soil, Morioka, Japan,  
Iwate Pref. (Medium 184, 28°C, F-1)

***Kitasatospora cystarginea*** Kusakabe and Isono 1992

Ac-2004 Type <-- IFO, IFO 14836. (ATCC 49931; DSM 41680; FERM P-8006; IFO 14836; JCM 7356).  
Synonym: *Streptomyces cystargineus* (Kusakabe and Isono 1992) Nakagaito *et al.*  
1993 Type. Ex: soil, Japan, Yamaguchi Pref., Susa-machi. (Medium 191, 28°C, F-1)(3337,  
3338, 3339)

***Kitasatospora griseola*** Takahashi *et al.* 1985

Ac-2002 Type <-- IFO, IFO 14371. (BCRC 13377; DSM 43859; IFO 14371; JCM 3339; NRRL B-16229).  
Synonym: *Streptomyces griseolosporeus* (Takahashi *et al.* 1985) Wellington *et al.*  
1992 Type. Ex: soil. (Medium 214, 28°C, F-1)(2760, 3333)

***Kitasatospora kifunensis*** (Nakagaito *et al.* 1993) Groth *et al.* 2003

Ac-2003 Type <-- IFO, IFO 15206. (ATCC 51379; DSM 41654; IFO 15206; JCM 9081). Received  
as: *Streptomyces kifunensis*. Synonym: *Streptomyces kifunensis* Nakagaito *et al.* 1993 Type.  
Ex: soil, Japan, Kyoto Pref., Mt.Kifune. (Medium 214, 28°C, F-1) (3337, 3339)

***Kitasatospora mediocidica*** Labeda 1988

Ac-2516 Type <-- DSM, DSM 43929. (ATCC 49055; DSM 43929; IFO 14789; JCM 9868; NRRL B-16109).  
Synonym: *Streptomyces mediocidicus* (Labeda 1988) Wellington *et al.* 1992  
Type. (Medium 184, 28°C, F-1)

***Kitasatospora phosalacinea*** Takahashi *et al.* 1985

Ac-2006 Type <-- IFO, IFO 14372. (DSM 43860; IFO 14372; JCM 3340; NRRL B-16230).  
Synonym: *Streptomyces phosalacineus* (Takahashi *et al.* 1985) Wellington *et al.* 1992  
Type. Ex: soil. (Medium 214, 28°C, F-1) (2760, 3333)

***Kitasatospora setae*** Omura *et al.* 1983

Ac-900 Type <-- Kuznetsov V.D. INMI, K-4050 <-- Omura S., KM-6054. (ATCC 33774; DSM 43861; IFO 14216; JCM 3304 NRRL B-16185). Received as: *Kitasatosporia setalba* (sic).  
Synonym: *Streptomyces setae* (Omura *et al.* 1983) Wellington *et al.* 1992 Type. Ex: soil,  
Japan. (Medium 214, 28°C, F-1, C-1)(413, 435, 1357, 2760)

***Kitasatospora* sp.**

Ac-2005 <-- IFO, IFO 14327. (ATCC 51343; DSM 41649; IFO 14327; JCM 3337). Received as: *Streptomyces atroaurantiacus* Nakagaito et al. 1993 Type, Former name: "*Kitasatosporia melanogena*". Ex: soil, Japan, Chiba Pref., Noda City. (Medium 191, 28°C, F-1) (3337, 3339)

***Kocuria kristinae*** (Kloos et al. 1974) Stackebrandt et al. 1995

Ac-2190 Type <-- VKM, VKM B-1811 <-- IMG, CCM 2690 <-- Kocur M. CCM, CCM 2690. (ATCC 27570; CCM 2690; CIP 81.69; DSM 20032; IFO 15354; JCM 7237; LMG 14215; NCTC 11038; NRRL B-14835). Received as: *Micrococcus kristinae*. Synonym: *Micrococcus kristinae* Kloos et al. 1974 Type. Ex: human. (Medium 5, 30°C, F-1, C-1, F-3) (1366)

Ac-2191 <-- VKM, VKM B-1876 <-- IMG, CCM MK 322 <-- Kocur M. CCM, CCM MK 322. Received as: *Micrococcus kristinae*. Synonym: *Micrococcus kristinae* Kloos et al. 1974. (Medium 5, 30°C, F-1, C-1, F-3)

Ac-2192 <-- VKM, VKM B-1877 <-- IMG, CCM KL 272 <-- Kocur M. CCM, CCM KL 272. Received as: *Micrococcus kristinae*. Synonym: *Micrococcus kristinae* Kloos et al. 1974. (Medium 5, 30°C, F-1, C-1, F-3)

Ac-2193 <-- VKM, VKM B-1878 <-- IMG, CCM SM 332 <-- Kocur M. CCM, CCM SM 332. Received as: *Micrococcus kristinae*. Synonym: *Micrococcus kristinae* Kloos et al. 1974. (Medium 5, 30°C, F-1, C-1, F-3)

Ac-2194 <-- VKM, VKM B-1879 <-- IMG, CCM SM 237 <-- Kocur M. CCM, CCM SM 237. Received as: *Micrococcus kristinae*. Synonym: *Micrococcus kristinae* Kloos et al. 1974. (Medium 5, 30°C, F-1, C-1, F-3)

Ac-2261 <-- VKM, VKM B-1875 <-- IMG, CCM JM 8 <-- Kocur M. CCM, CCM JM 8. Received as: *Micrococcus kristinae*. Synonym: *Micrococcus kristinae* Kloos et al. 1974. (Medium 5, 30°C, F-1, C-1, F-3)

***Kocuria rhizophila*** Kovacs et al. 1999

Ac-2214 <-- VKM, VKM B-1847 <-- IMG, CCM 552 <-- Kocur M. CCM, CCM 552. (ATCC 9341; CCM 552; CIP 53.45; DSM 348; IAM 1099; IFO 12708; NCIMB 8553). Received as: *Micrococcus varians* Migula 1900. Former names: *Micrococcus luteus*, "*Sarcina lutea*". (Medium 166, 30°C, F-1, C-1, F-3)

***Kocuria rosea*** (Flugge 1886) Stackebrandt et al. 1995

Ac-1941 <-- IFO, IFO 15344. (ATCC 187; CCM 706; DSM 11630; IFO 15344; JCM 12416).

Received as: *Deinococcus erythromyxa*. Synonyms: *Kocuria erythromyxa* (Brooks and Murray 1981) Rainey et al. 1997 Type, *Deinococcus erythromyxa* (ex Chester 1901) Brooks and Murray 1981 Type. Ex: air. (Medium 166, 28°C, F-1) (381)

Ac-2195 <-- VKM, VKM B-1041 <-- INMI, VKM B-1041 <-- VNIISHM, 19. Received as: *Micrococcus roseus*. Synonym: *Micrococcus roseus* Flugge 1886. Former name: "*Sarcina rosea*" Lindner 1888. (Medium 5, 30°C, F-1, C-1, F-3) (1527)

Ac-2196 <-- VKM, VKM B-1821 <-- IMG, CCM 560 <-- Kocur M. CCM, CCM 560. (ATCC 179, 417; CCM 560; LMG 14225; NCTC 7514). Received as: *Micrococcus roseus*. Synonym: *Micrococcus roseus* Flugge 1886. Former name: "*Micrococcus roseus roseofulvus*". (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2197 <-- VKM, VKM B-1822 <-- IMG, CCM 570 <-- Kocur M. CCM, CCM 570. (CCM 570). Received as: *Micrococcus roseus*. Synonym: *Micrococcus roseus* Flugge 1886. Ex: pond water, Czech Republic, Southern Moravia. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2198 <-- VKM, VKM B-1861 <-- IMG, CCM 837 <-- Kocur M. CCM, CCM 837. (ATCC 416; NCTC 7518). Received as: *Micrococcus roseus*. Synonym: *Micrococcus roseus* Flugge 1886. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2199 <-- VKM, VKM B-1862 <-- IMG, CCM 839 <-- Kocur M. CCM, CCM 839. (ATCC 516; CCM 839; CIP 82.61; LMG 14226). Received as: *Micrococcus roseus*. Synonym:

- Micrococcus roseus* Flugge 1886. (Medium 166, 30°C, F-1, C-1, F-3)
- Ac-2200 Type <-- VKM, VKM B-1823 <-- IMG, CCM 679 <-- Kocur M. CCM, CCM 679. (VKM B-1236; ATCC 186; BCRC 11044; CCM 679; CCUG 4312;; CIP 71.15; DSM 20447; IAM 1315; IFO 3768; NCFB 975; NCIMB 11696; NCTC 7523; NRRL B- 2977). Received as: *Micrococcus roseus*. Synonym: *Micrococcus roseus* Flugge 1886 Type. (Medium 166, 30°C, F-1, C-1, F-3) (340, 1366)
- Ac-2201 <-- VKM, VKM B-1863 <-- IMG, CCM 618 <-- Kocur M. CCM, CCM 618. (ATCC 534). Received as: *Micrococcus roseus*. Synonym: *Micrococcus roseus* Flugge 1886. (Medium 166, 30°C, F-1, C-1, F-3)
- Ac-2202 <-- VKM, VKM B-1864 <-- IMG, CCM 691 <-- Kocur M. CCM, CCM 691. (ATCC 9815; CCM 691; IAM 1295; IFO 3764; NCTC 7738). Received as: *Micrococcus roseus*. Synonym: *Micrococcus roseus* Flugge 1886. (Medium 166, 30°C, F-1, C-1, F-3)
- Ac-2203 <-- VKM, VKM B-1865 <-- IMG, CCM 1145 <-- Kocur M. CCM, CCM 1145. (CCM 1145). Received as: *Micrococcus roseus*. Synonym: *Micrococcus roseus* Flugge 1886. (Medium 166, 30°C, F-1, C-1, F-3)
- Ac-2204 <-- VKM, VKM B-1866 <-- IMG, CCM 1679 <-- Kocur M. CCM, CCM 1679. (CCM 1679). Received as: *Micrococcus roseus*. Synonym: *Micrococcus roseus* Flugge 1886. Ex: carp intestines, Czech Republic. (Medium 166, 30°C, F-1, C-1, F-3)

***Kocuria* sp.**

- Ac-2205 <-- VKM, VKM B-25 <-- INMI, VKM B-25 <-- Solntseva L.I. INMI. Received as: *Micrococcus varians* Migula 1900. Former name: "*Sarcina aurantiaca*" Flugge 1886. (Medium 5, 30°C, F-1, C-1, F-3) (1527)

***Kocuria* sp.**

- Ac-2206 <-- VKM, VKM B-292 <-- INMI, VKM B-292 <-- Mishustina I.E. INMI, 2265. Received as: *Micrococcus luteus* (Schroeter 1872) Cohn 1872. Ex: sea water, station 251, Indian Ocean, depth 2788 m, 50 58'0" S.lat., 20 28'0"E.long. (Medium 5, 30°C, F-1, C-1, F-3) (1367)

***Kocuria* sp.**

- Ac-2207 <-- VKM, VKM B-293 <-- INMI, VKM B-293 <-- Mishustina I.E. INMI, 2444. Received as: *Micrococcus luteus* (Schroeter 1872) Cohn 1872. Ex: sea water, station 271, Indian Ocean, depth 396 m, 49 49'3" S.lat., 41 21'3"E.long. (Medium 5, 30°C, F-1, C-1, F-3) (1367)

***Kocuria* sp.**

- Ac-2208 <-- VKM, VKM B-294 <-- INMI, VKM B-294 <-- Mishustina I.E. INMI, 2477. Received as: *Micrococcus luteus* (Schroeter 1872) Cohn 1872. Ex: sea water, station 274, Indian Ocean, depth 175 m, 52 32'3" S.lat., 57 43'9"E.long. (Medium 68, 30°C, F-1, C-1, F-3) (1367)

***Kocuria* sp.**

- Ac-2209 <-- VKM, VKM B-297 <-- INMI, VKM B-297 <-- Mishustina I.E. INMI, 1290. Received as: *Micrococcus* sp. Former name: "*Micrococcus ochraceus*" Rosenthal 1893. Ex: sea water, station 30, Greenland Sea, depth 0 m, 78 56'0" N.lat., 07 26'0"W.long. (Medium 68, 30°C, F-1, C-1, F-3) (1367)

***Kocuria* sp.**

- Ac-2210 <-- VKM, VKM B-337<-- INMI, VKM B-337 <-- Mishustina I.E. INMI, 1109. Received as: *Micrococcus* sp. Former name: "*Micrococcus subflavus*"(Bumm) Migula 1900. Ex: sea water, station 6, Greenland Sea, depth 10 m, 78 04'0" N.lat., 03 20'0"W.long. (Medium 68, 30°C, F-1, C-1, F-3) (1367)

***Kocuria* sp.**

Ac-2211 <-- VKM, VKM B-338 <-- INMI, VKM B-338 <-- Mishustina I.E. INMI, 1113. Received as: *Micrococcus* sp. Former name: "*Micrococcus subflavus*" (Bumm) Migula 1900. Ex: sea water, station 6, Greenland Sea, depth 150 m, 78 04'0" N.lat., 03 20'0"W.long. (Medium 68, 30°C, F-1, C-1, F-3) (1367)

***Kocuria* sp.**

Ac-2212 <-- VKM, VKM B-340 <-- INMI, VKM B-340 <-- Mishustina I.E. INMI, 2263. Received as: *Micrococcus* sp. Former name: "*Micrococcus subflavus*" (Bumm) Migula 1900. Ex: sea water, station 251, Indian Ocean, depth 2312 m, 50 58'0" S.lat, 20 28'0"E.long. (Medium 68, 30°C, F-1, C-1, F-3) (1367)

***Kocuria* sp.**

Ac-2213 <-- VKM, VKM B-1237 <-- INMI, VKM B-1237 <-- CCM, CCM 2253. (CCM 2253). Received as: *Micrococcus varians* Migula 1900. Ex: coir rets. (Medium 166, 30°C, F-1, C-1, F-3) (1706, 1710)

***Kocuria varians* (Migula 1900) Stackebrandt et al. 1995**

Ac-2215 Type <-- VKM, VKM B-1827 <-- IMG, CCM 884 <-- Kocur M. CCM, CCM 884. (VKM B-1232; ATCC 15306; CCM 884; BCRC 12152; CCUG 35392; CIP 81.73 DSM 20033; IFO 15358; JCM 7238; LMG 14231; NCIMB 11697; NCTC 7564). Received as: *Micrococcus varians*. Synonym: *Micrococcus varians* Migula 1900 Type. Ex: milk. (Medium 166, 30°C, F-1, C-1, F-3) (348, 1134, 1366, 1706, 1710)

Ac-2216 <-- VKM, VKM B-1856 <-- IMG, CCM 547 <-- Kocur M. CCM, CCM 547. (ATCC 401; NCIMB 2677). Received as: *Micrococcus varians*. Synonym: *Micrococcus varians* Migula 1900. Former name: "*Micrococcus conglomeratus*". Ex: cheese. (Medium 5, 30°C, F-1, C-1, F-3)

Ac-2217 <-- VKM, VKM B-1857 <-- IMG, CCM 2139 <-- Kocur M. CCM, CCM 2139. Received as: *Micrococcus varians*. Synonym: *Micrococcus varians* Migula 1900. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2218 <-- VKM, VKM B-1858 <-- IMG, CCM 2431 <-- Kocur M. CCM, CCM 2431. (NCTC 7566; NCDO 790). Received as: *Micrococcus varians*. Synonym: *Micrococcus varians* Migula 1900. Ex: milk. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2219 <-- VKM, VKM B-1859 <-- IMG, CCM 2490 <-- Kocur M. CCM, CCM 2490. Received as: *Micrococcus varians*. Synonym: *Micrococcus varians* Migula 1900. Ex: milk. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2220 <-- VKM, VKM B-1860 <-- IMG, CCM 2492 <-- Kocur M. CCM, CCM 2492. (ATCC 399; CCM 2492; IFO 3765; NCIMB 10100). Received as: *Micrococcus varians*. Synonym: *Micrococcus varians* Migula 1900. Ex: water. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2221 <-- VKM, VKM B-485 <-- INMI, VKM B-485. Received as: *Micrococcus varians*. Synonym: *Micrococcus varians* Migula 1900. Former name: "*Micrococcus sulfureus*" Zimmermann 1890. (Medium 5, 30°C, F-1, C-1, F-3) (1527)

Ac-2262 <-- VKM, VKM B-1848 <-- IMG, CCM 825 <-- Kocur M. CCM, CCM 825. (CCM 825) Received as: *Micrococcus varians*. Synonym: *Micrococcus varians* Migula 1900. Ex: milk. (Medium 166, 30°C, F-1, C-1, F-3)

***Kurthia gibsonii* Shaw and Keddie 1983**

B-1569 <-- CCM, CCM 3321. (CCM 3321; NCIB 8603; NCIMB 8603). Received as: *Kurthia zopfii*. (Medium 5, 30°C, F-1, S-5, S-4) (329, 906)

B-1572 <-- IBPM, IBPM B-193 <-- Belikova V.L. IBPM, 38. (CCM 3476; IMET 10637). Received as: *Kurthia zopfii*. Ex: content of mammoth guts, Russia, Magadan region. (Medium 5, 30°C, F-1, S-5, S-4) (131, 133, 329)

***Kurthia sibirica*** Belikova et al. 1988

- B-1549 Type <-- Belikova V.L. IBPM, 13-2. (ATCC 49154; DSM 4747; CCM 3477). Received as: *Kurthia zopfii*. Ex: content of mammoth guts, Russia, Magadan region. (Medium 5, 25-28°C, F-1, S-5) (131, 140, 329, 420)
- B-1570 <-- Belikova V.L. IBPM, 40. Received as: *Kurthia zopfii*. Ex: content of mammoth guts, Russia, Magadan region. (Medium 5, 28°C, F-1, S-5) (131, 140, 320, 329)

***Kurthia zopfii*** (Kurth 1883) Trevisan 1885

- B-1567 <-- IBPM, IBPM B-183 <-- Keddie R.M. DMUR, R 101. (ATCC 10538; NCTC 404; DSM 20026; IMET 10638). (Medium 5, 30°C, F-1, S-5, S-4) (131, 329, 1318, 1567)
- B-1568 Type <-- IBPM, IBPM B-188 <-- Kalakoutskii L.V. IBPM <-- NCTC, NCTC 10597. (NCTC 10597; NCIB 9878; NCIMB 9878; ATCC 33403; DSM 20580; Barnes E.M., F64/100). Received as: *Kurthia* sp. Ex: turkey caecum. (Medium 5, 30°C, F-1, S-5, S-4) (239, 329, 906, 1366)
- B-1571 <-- IBPM, IBPM B-192 <-- Belikova V.L. IBPM, 29. (CCM 3478). Ex: content of mammoth guts, Russia, Magadan region. (Medium 5, 30°C, F-1, S-5, S-4) (131, 329)

***Kutzneria viridogrisea*** (Okuda et al. 1966) Stackebrandt et al. 1994

- Ac-1297 Type <-- DSM, DSM 43850. (ATCC 25242; DSM 43850; IFO 15561; JCM 3282). Received as: *Streptosporangium viridogriseum*. Synonym: *Streptosporangium viridogriseum* subsp. *viridogriseum* Okuda et al. 1966 Type. Ex: soil, Japan. (Medium 209, 28°C, F-1, C-1) (843, 1357, 2781)

***Kytococcus sedentarius*** (ZoBell and Upham 1944) Stackebrandt et al. 1995

- Ac-2222 Type <-- VKM, VKM B-1316 <-- INMI, VKM B-1316 <-- CCM, CCM 314. (VKM B-1824; ATCC 14392; CCM 314; CIP 81.72; DSM 20547; IFO 15357; JCM 11482; LMG 14228; NCIMB 13236; NCTC 11040). Received as: *Micrococcus sedentarius*. Synonym: *Micrococcus sedentarius*. ZoBell and Upham 1944 Type. Ex: sea water. (Medium 166, 28°C, F-1, C-1, F-3) (353, 1366).
- Ac-2223 <-- VKM, VKM B-1825 <-- IMG, CCM 2697 <-- Kocur M. CCM, CCM 2697. (ATCC 27574; CCM 2697; CIP 82.62). Received as: *Micrococcus sedentarius*. Synonym: *Micrococcus sedentarius* ZoBell and Upham 1944. Ex: human skin. (Medium 166, 30°C, F-1, C-1, F-3)
- Ac-2224 <-- VKM, VKM B-1826 <-- IMG, CCM 2698 <-- Kocur M. CCM, CCM 2698. (CCM 2698). Received as: *Micrococcus sedentarius*. Synonym: *Micrococcus sedentarius* ZoBell and Upham 1944. Ex: human skin. (Medium 166, 30°C, F-1, C-1, F-3)
- Ac-2225 <-- VKM, VKM B-1867 <-- IMG, CCM 2699 <-- Kocur M. CCM, CCM 2699. (CCM 2699; DSM 20317). Received as: *Micrococcus sedentarius*. Synonym: *Micrococcus sedentarius* ZoBell and Upham 1944. human skin. (Medium 166, 30°C, F-1, C-1, F-3)
- Ac-2226 <-- VKM, VKM B-1868 <-- IMG, CCM 3947 <-- Kocur M. CCM, CCM 3947. Received as: *Micrococcus sedentarius*. (Medium 166, 30°C, F-1, C-1, F-3)
- Ac-2227 <-- VKM, VKM B-1869 <-- IMG, CCM 4055 <-- Kocur M. CCM, CCM 4055. Received as: *Micrococcus sedentarius*. (Medium 166, 30°C, F-1, C-1, F-3)

***Labrys monachus*** corrig. Vasilyeva and Semenov 1985 emend. Islam et al. 2007

- B-1479 Type <-- Vasilyeva L.V. INMI, 42. (ATCC 43932; DSM 5896; JCM 21795). Ex: mud, Mustjarv Lake, Estonia. (Medium 55, 28°C, S-5, S-4) (138, 414, 965, 1075, 1172, 1247, 1285, 1396, 1442)

***Laceyella putida*** (Lacey and Cross 1989) Yoon et al. 2005

- Ac-1431 Type <-- Agre N.S. IBPM, 927 <-- Cross T., CUB 927. (ATCC 49853; CUB 927; DSM 44608; IMET 9217; JCM 8091; KCTC 3666; NCIMB 12324). Received as: *Thermoactinomyces putidus*. Synonym: *Thermoactinomyces putidus* Lacey and Cross 1989 Type. (Medium 8, 55°C, F-1) (1357, 1411, 1412, 1415)

- Ac-1434 <-- Agre N.S. IBPM, 801. Received as: *Thermoactinomyces putidus*. Synonym:  
*Thermoactinomyces putidus* Lacey and Cross 1989 Type. (Medium 8, 55°C, F-1) (1411,  
1412)
- Ac-1463 <-- Agre N.S. IBPM, 577. Received as: *Thermoactinomyces putidus*. Synonym:  
*Thermoactinomyces putidus* Lacey and Cross 1989. (Medium 8, 55°C, F-1) (1411, 1412)
- Ac-1464 <-- Agre N.S. IBPM, 310. Received as: *Thermoactinomyces putidus*. Synonym:  
*Thermoactinomyces putidus* Lacey and Cross 1989. (Medium 8, 55°C, F-1) (1411, 1412)

***Laceyella sacchari*** (Lacey 1971) Yoon et al. 2005

- Ac-1309 <-- Agre N.S. IBPM, 808 <-- CUB 808. (ATCC 49855; CBS 319.66; DSM 43354; IFO  
15852; IMET 9710; JCM 3217; NCIMB 11367). Received as: *Thermoactinomyces*  
*thalpophilus* (ex Waksman and Corke 1953) Lacey and Cross 1989 Type. Synonym:  
*Thermoactinomyces sacchari* Lacey 1971. Ex: sheep manure, Finland. (Medium 8, 55°C,  
F-1)(1357, 1415)
- Ac-1360 Type <-- Agre N.S. IBPM, 618 <-- CUB 618. (ATCC 27375; CBS 701.70; CCM 3274;  
CCUG 7967; DSM 43356; IFO 13920; IMET 9713; JCM 3137, 3214; KCTC 9790;  
NCIMB 10486; NCTC 10721; NRRL B-16981). Synonym: *Thermoactinomyces sacchari*  
Lacey 1971 Type. Ex: sugar cane bagasse, West India, Trinidad. (Medium 8, 55°C, F-1)  
(1357)
- Ac-1428 <-- Agre N.S. IBPM, 807 <-- CUB 807. (VKM Ac-680; CBS 422.63; DSM 43353; JCM  
3215). Received as: *Thermoactinomyces vulgaris* Tsilinsky 1899. Synonym:  
*Thermoactinomyces sacchari* Lacey 1971, *Thermoactinomyces thalpophilus* (ex Waksman  
and Corke 1953) Lacey and Cross 1989. Ex: compost. (Medium 8, 55°C, F-1) (1049, 1299,  
1357, 1412)
- Ac-1430 <-- Agre N.S. IBPM, 640. Received as: *Thermoactinomyces thalpophilus* (ex Waksman and  
Corke 1953) Lacey and Cross 1989. Synonym: *Thermoactinomyces sacchari* Lacey 1971.  
Ex: cow manure, Latvia. (Medium 8, 55°C, F-1) (1411, 1412)
- Ac-1433 <-- Agre N.S. IBPM, 90. Received as: *Thermoactinomyces vulgaris* Tsilinsky 1899.  
Synonym: *Thermoactinomyces sacchari* Lacey 1971, *Thermoactinomyces thalpophilus* (ex  
Waksman and Corke 1953) Lacey and Cross 1989. (Medium 8, 55°C, F-1) (1357, 1412)
- Ac-1466 <-- Agre N.S. IBPM, 33. Received as: *Thermoactinomyces vulgaris* Tsilinsky 1899.  
Synonym: *Thermoactinomyces sacchari* Lacey 1971, *Thermoactinomyces thalpophilus* (ex  
Waksman and Corke 1953) Lacey and Cross 1989. Ex: cow manure, Latvia. (Medium 8,  
55°C, F-1) (1411, 1412)
- Ac-1467 <-- Agre N.S. IBPM, 661. Received as: *Thermoactinomyces vulgaris* Tsilinsky 1899.  
Synonym: *Thermoactinomyces sacchari* Lacey 1971, *Thermoactinomyces thalpophilus* (ex  
Waksman and Corke 1953) Lacey and Cross 1989. Ex: cow manure, Latvia. (Medium 8,  
55°C, F-1) (1411, 1412)

***Lactobacillus acidophilus*** (Moro 1900) Hansen and Mocquot 1970

- B-1660 Type <-- IMET, IMET 10710 <-- DSM, DSM 20079. (ATCC 4356; IMET 10710; NCIB  
8690; NCIMB 8690; IFO 13951; NCDO 1746; DSM 20079; CIP 76.13). Ex: human.  
(Medium 75, 37°C, F-1, S-5) (341, 375, 934, 1366)
- B-1918 <-- Barefoot S.F. Clemenson University, CFM 20. (NCIB 1899; ATCC 11975). (Medium 75,  
37°C, F-1)
- B-1919 <-- Barefoot S.F. Clemenson University, CFM 24. (NCDO 1693; ATCC 11506). (Medium 75,  
37°C, F-1)
- B-1928 <-- Barefoot S.F. Clemenson University, CFM 25. (Medium 75, 37°C, F-1)
- B-1929 <-- Barefoot S.F. Clemenson University, CFM 26. (Medium 75, 37°C, F-1)

***Lactobacillus brevis*** (Orla-Jensen 1919) Bergey et al. 1934

- B-572 <-- INMI, VKM B-572 <-- CCM, CCM 1817. (ATCC 367; NCIB 947; NCTC 947; NCDO  
477). Ex: silage. (Medium 75, 30°C, F-1, S-5)
- B-1309 <-- INMI, VKM B-1309 <-- NRRL, NRRL B-1836. (NRRL 1836). (Medium 75, 30°C, F-1,

S-5)

***Lactobacillus buchneri*** (Henneberg 1903) Bergey et al. 1923

B-1310 <-- INMI, VKM B-1310 <-- NRRL, NRRL B-1837. (NRRL B-1837). (Medium 75, 30°C, F-1, S-5)

B-1599 Type <-- CCM, CCM 1819 <-- BUCSAV, Bu 222. (ATCC 4005; CCM 1819; NCIB 8007; NCIMB 8007; IMET 10692; DSM 20057; NCDO 110; BUCSAV 222). Ex: tomato pulp. (Medium 75, 37°C, F-1, S-5) (342, 359, 446, 514, 1366)

***Lactobacillus casei*** (Orla-Jensen 1916) Bergey et al. 1923

B-1933 <-- Barefoot S.F. Clemson University, CFM 91. Synonym: "*Lactobacillus casei*" Bergey et al. 1923, "*Lactobacterium casei*" (Orla-Jensen 1916) Krasil'nikov 1949. (Medium 75, 37°C, F-1)

***Lactobacillus casei*** subsp. *casei* (Orla-Jensen 1916) Hansen and Lessel 1971

B-536 <-- INMI, VKM B-536 <-- RIBMI, C-37. Received as: "*Lactobacterium casei*". (Medium 75, 37°C, F-1, S-5)

B-1144 <-- INMI, VKM B-1144 <-- VNIIPKH (LO), NCDO 152. (ATCC 25303; NCDO 152; CCM 1752). Received as: *Lactobacterium casei*. (Medium 75, 37°C, F-1, S-5)

***Lactobacillus delbrueckii*** (Leichmann 1896) Beijerinck 1901

B-1936 <-- Barefoot S.F. Clemson University USA, CFM 96. (Medium 75, 37°C, S-5)

***Lactobacillus delbrueckii*** subsp. *bulgaricus* (Orla-Jensen 1919) Weiss et al. 1984

B-1923 Type <-- Barefoot S.F. Clemson University USA, CFM 83. (ATCC 11842; DSM 20081; NCDO 1489). Received as: "*Lactobacillus bulgaricus*". Synonym: *Lactobacillus bulgaricus* (Orla-Jensen 1919) Rogosa and Hansen 1971 Type. Ex: bulgarian yogurt. (Medium 75, 37°C, S-5)

B-1924 <-- Barefoot S.F. Clemson University USA, CFM 81. Received as: "*Lactobacillus bulgaricus*". Synonym: *Lactobacillus bulgaricus* (Orla-Jensen 1919) Rogosa and Hansen 1971. (Medium 75, 37°C, S-5)

B-1931 <-- Barefoot S.F. Clemson University USA, CFM 82. Received as: "*Lactobacillus bulgaricus*". Synonym: *Lactobacillus bulgaricus* (Orla-Jensen 1919) Rogosa and Hansen 1971. (Medium 75, 37°C, S-5)

***Lactobacillus delbrueckii*** subsp. *delbrueckii* (Leichmann 1896) Beijerinck 1901

B-1596 Type <-- DSM, DSM 20074 <-- ATCC, ATCC 9649. (ATCC 9649; DSM 20074; NCDO 213; NCIB 8130; NCIMB 8130; IFO 3202). Ex: sour grain mash. (Medium 157, 37°C, S-4)

***Lactobacillus delbrueckii*** subsp. *lactis* (Orla-Jensen 1919) Weiss et al. 1984

B-1940 <-- Barefoot S.F. Clemson University USA, CFM 109. Received as: "*Lactobacillus leichmannii*". Synonym: *Lactobacillus lactis* (Orla-Jensen 1919) Bergey et al. 1934, *Lactobacillus leichmannii* (Henneberg 1903) Bergey et al. 1923. (Medium 75, 37°C, S-5)

***Lactobacillus fermentum*** Beijerinck 1901 emend. Dellaglio et al. 2004

B-1305 <-- INMI, VKM B-1305 <-- CCM, CCM 2480 <-- ATCC, ATCC 25371. (ATCC 25371; CCM 2480). Received as: "*Lactobacillus intermedium*" (Muller-Turgah and Osterwalder) Bergey et al. 1930. (Medium 75, 37°C, F-1, S-5)

B-1311 <-- INMI, VKM B-1311 <-- NRRL, B-1932. (NRRL B-1932). (Medium 75, 37°C, F-1, S-5)

B-1566 <-- IBPM, IBPM B-119 <-- INMIA, CIP 53.163. (ATCC 9338; NCIB 6991, 8028; NCIMB 8028; NCTC 6991; NCDO 215; CIP 53.163; IFO 3071; CCM 91; OUT 8128; DSM 20391; Sarett H.P., 36). (Medium 75, 37°C, F-1, S-5) (450)

B-1934 <-- Barefoot S.F. Clemson University, CFM 94. Received as: *Lactobacillus cellobiosus*. (Medium 75, 37°C, F-1)

B-1937 <-- Barefoot S.F. Clemson University USA, CFM 98. (Medium 75, 37°C, S-5)

***Lactobacillus gasseri*** Lauer and Kandler 1980

B-846 <-- INMI, VKM B-846 <-- INA, ATCC 4963 <-- Rettger L.F., *L. bifigus* <-- Rogosa M., 20 XR. (ATCC 4963; NCIB 8931; NCDO 1375; VPI 0334; Rogosa M., 20 XR). Received as: *Lactobacillus acidophilus*. (Medium 75, 37°C, F-1, S-5) (375)

***Lactobacillus helveticus*** (Orla-Jensen 1919) Bergey et al. 1925

B-842 <-- INMI, VKM B-842 <-- Roshtin V.P. KGU Mold., 18. Received as: "*Lactobacterium acidophilum*" (Moro 1900) Krassilnikov 1949. Ex: calf. (Medium 75, 37°C, F-1, S-5) (75, 157)

B-1147 <-- INMI, VKM B-1147 <-- VNIKHHP, ATCC 8018. (ATCC 8018; NCIB 8025; NCIMB 8025; NCDO 262). (Medium 75, 37°C, F-1, S-5) (498)

***Lactobacillus mali*** Carr and Davies 1970

B-1600 Type <-- CCM, CCM 2878 <-- Carr Y.G., Y 12. (ATCC 27053; CCM 2878; NCIB 10560; NCIMB 10560; DSM 20444; CIP 103142). Synonym: *Lactobacillus yamanashiensis* subsp. *mali* (Carr and Davies 1970) Nonomura 1983 Type. Ex: apple juice from cider press. (Medium 75, 30°C, F-1, S-5) (341, 375, 385, 436, 437, 934, 1366)

***Lactobacillus pentosus*** (ex Fred et al. 1921) Zanoni et al. 1987

B-1941 <-- Barefoot S.F. Clemson University USA, CFM 115. Synonym: "*Lactobacillus pentosus*" Fred et al. 1921. (Medium 75, 37°C, S-5)

B-1942 <-- Barefoot S.F. Clemson University USA, CFM 116. Synonym: "*Lactobacillus pentosus*" Fred et al. 1921. (Medium 75, 37°C, S-5)

***Lactobacillus plantarum*** (Orla-Jensen 1919) Bergey et al. 1923

B-578 <-- INMI, VKM B-578 <-- CCM, CCM 1845. (ATCC 8014; CCM 1845; NCIB 8014, 8030, 6376, 8864, 8960; NCIMB 8014, 8030, 6376, 8864, 8960; NCTC 6376; NCDO 82; IAM 1041; IFO 3040; CIP A159; DSM 20205; OUT 124; IMET 10698; VTT E-71034; McCay E., 17-5; Snell E.E., 124-2). Received as: "*Lactobacillus arabinosus*" Fred et al. 1921. (Medium 75, 30°C, F-1, S-5)

B-1922 <-- Barefoot S.F. Clemson University USA, CFM 120. (ATCC 8014). (Medium 75, 37°C, S-5)

B-1943 <-- Barefoot S.F. Clemson University USA, CFM 128. (Medium 75, 37°C, S-5)

***Lactobacillus plantarum*** subsp. *plantarum* (Orla-Jensen 1919) Bergey et al. 1923

B-2209 Type <-- Hippe H. DSMZ, DSM 20174. (ATCC 14917, DSM 20174, NCDO 1752). Received as: *Lactobacillus plantarum*. Synonym: "*Streptobacterium plantarum*" Orla-Jensen 1919. Ex: pickled cabbage. (Medium 75, 30°C, S-5)

***Lactobacillus rhamnosus*** (Hansen 1968) Collins et al. 1989

B-57 <-- INMI, VKM B-57 <-- Kuznetsov V.D. RIA. (ATCC 15820; DSM 20178; NCIB 9537). Received as: "*Lactobacterium zeae*". Synonym: *Lactobacillus casei* subsp. *rhamnosus* Hansen 1968. Ex: corn steep liquor. (Medium 75, 37°C, F-1, S-5) (90, 352)

B-535 <-- INMI, VKM B-535 <-- RIBMI, S-10. Received as: "*Lactobacterium casei*". Synonym: *Lactobacillus casei* subsp. *rhamnosus* Hansen 1968. (Medium 75, 37°C, F-1, S-5)

B-537 <-- INMI, VKM B-537 <-- RIBMI, b/10. Received as: "*Lactobacterium casei*". Synonym: *Lactobacillus casei* subsp. *rhamnosus* Hansen 1968. (Medium 75, 37°C, F-1, S-5) (1134)

B-574 Type <-- INMI, VKM B-574 <-- CCM, CCM 1825 <-- Hansen P.H., N300 <-- Rogosa M., V 300. (ATCC 7469; NCIB 8010; NCIMB 8010; NCTC 6375; NCDO 243; CIP A-157; IAM 1118; IFO 3425; NRC 488; DSM 20021; CCM 1825; IMET 10691). Received as: *Lactobacillus casei*. Synonym: *Lactobacillus casei* subsp. *rhamnosus* Hansen 1968 Type. (Medium 75, 37°C, F-1, S-5) (1353, 1366)

- B-575 <-- INMI, VKM B-575 <-- CCM, CCM 1828 <-- BUCSAV, BUCSAV 226. (ATCC 9595, 11979; NCIB 7473, 8019; NCTC 7473; CCM 1828; DSM 20245; NCDO 207). Received as: *Lactobacillus casei*. Synonym: *Lactobacillus casei* subsp. *rhamnosus* Hansen 1968. (Medium 75, 37°C, F-1, S-5)
- B-577 <-- INMI, VKM B-577 <-- CCM, CCM 1836 <-- BUCSAV, BUCSAV 239. (ATCC 11981; NCIB 6557; NCTC 6557; NCDO 244; CCM 1836; BUCSAV 239). Received as: *Lactobacillus helveticus*. Synonym: *Lactobacillus casei* subsp. *rhamnosus* Hansen 1968. (Medium 75, 37°C, F-1, S-5) (498)

***Lactobacillus* sp.**

- B-845 <-- INMI, VKM B-845 <-- Roshtin V.P. KGU Mold., 42. Received as: "*Lactobacterium acidophilum*" (Moro 1900) Krassilnikov 1949. (Medium 75, 37°C, F-1, S-5)

***Lactococcus lactis* (Lister 1873) Schleifer et al. 1986**

- B-1944 <-- Barefoot S.F. Clemson University USA, CFM 130. Synonym: *Streptococcus lactis* (Lister 1873) Löhnis 1909. (Medium 75, 30°C, S-5)
- B-1946 <-- Barefoot S.F. Clemson University USA, CFM 133. Received as: *Lactococcus lactis* "subsp. *diacetylactis*". Synonym: *Streptococcus lactis* (Lister 1873) Löhnis 1909. (Medium 75, 30°C, S-5)

***Lactococcus lactis* subsp. *cremoris* (Orla-Jensen 1919) Schleifer et al. 1986**

- B-1945 <-- Barefoot S.F. Clemson University USA, CFM 131. Synonym: *Streptococcus cremoris* Orla-Jensen 1919. (Medium 75, 30°C, S-5)

***Lactococcus lactis* subsp. *lactis* (Lister 1873) Schleifer et al. 1986**

- B-978 <-- INMI, VKM B-978 <-- Grinevich A.G. IGU, 210. Synonym: *Streptococcus lactis* (Lister 1873) Löhnis 1909. Ex: flowers. (Medium 75, 37°C, F-1, S-5) (936)
- B-1578 <-- Nikken Foods Co., ITD. Received as: *Streptococcus lactis*. Synonym: *Streptococcus lactis* (Lister 1873) Löhnis 1909. (Medium 75, 37°C, F-1, S-5) (936, 1366)
- B-1662 Type <-- IMET, IMET 10699 <-- CCM, CCM 1877 <-- BUCSAV, BUCSAV 181. (ATCC 19435, 9936; IMET 10699; CCM 1877; NCIB 6681; NCTC 6681; DSM 20481; NCDO 604; NCFB 604; CIP 70.56; CCUG 7980; Orla-Jensen S., strain OJ). Synonym: *Streptococcus lactis* (Lister 1873) Löhnis 1909. (Medium 75, 30°C, F-1, S-5) (418, 909, 936)
- B-1948 <-- Barefoot S.F. Clemson University USA, CFM 137. Synonym: *Streptococcus lactis* (Lister 1873) Löhnis 1909. (Medium 75, 30°C, S-5)

***Lechevalieria aerocolonigenes* (Labeda 1986) Labeda et al. 2001**

- Ac-1081 Type <-- Seino A. KCC, KCC A-0150. (ISP 5034; RIA 1108; ATCC 23870; CBS 609.68; CIP 107109 DSM 40034; IFO 13195; JCM 4150, 4614; NRRL B-3298). Received as: "*Nocardia aerocolonigenes*". Synonym: *Saccharothrix aerocolonigenes* subsp. *aerocolonigenes* (ex Shinobu and Kawato 1960) Labeda 1986 Type, "*Streptomyces aerocolonigenes*" Shinobu and Kawato 1960, "*Nocardia aerocolonigenes*" (Shinobu and Kawato 1960) Pridham 1970 Type. Ex: soil, Nagasaki, Japan. (Medium 184, 28°C, F-1, C-1) (947, 1029)

***Lechevalieria flava* (Gauze et al. 1974) Labeda et al. 2001**

- Ac-906 Type <-- INA, INA 2171. (INA 2171; ATCC 29533; CIP 107110; DSM 43885; IFO 14521; JCM 3296; NCIMB 11447; NRRL B-16131). Received as: *Nocardioopsis flava*. Synonym: *Saccharothrix flava* (Gauze et al. 1974) Grund and Kroppenstedt 1990 Type, *Nocardioopsis flava* (Gauze et al. 1974) Gauze and Sveshnikova 1985 Type, *Actinomadura flava* Gauze et al. 1974 Type. Ex: soil. (Medium 205, 28°C, F-1, C-1) (37, 134, 779, 2728, 2730)

***Leifsonia aquatica*** (ex Leifson 1962) Evtushenko et al. 2000

Ac-1400 Type <-- DSM, DSM 20146. (ATCC 14665; BCRC 11574; CIP 64.13; DSM 20146; IAM 12441; IFO 15710; JCM 1368; NCIMB 9460; NRIC 1848). Synonym: "*Corynebacterium aquaticum*" Leifson 1962. Ex: distilled water. (Medium 166, 28°C, F-1)

***Leifsonia poae*** Evtushenko et al. 2000

Ac-1401 Type <-- Evtushenko IBPM, DL-89. (CCUG 47140; CIP 106654; DSM 15202; JCM 11952: NBRC 103069). Ex: *Poa annua*, root galls induced by nematode *Subangina radicicola*, Moscow region, Russia. (Medium 166, 28°C, C-1, F-1)

***Leifsonia*** sp.

Ac-1802 <-- Dorofeeva L.V. IBPM, DL-349 Ex: *Calamagrostis* sp., phyllosphere, Belgorod region, Russia. (Medium 166, 25°C, F-1, C-1)

***Leifsonia xyli*** subsp. *cynodontis* (Davis et al. 1984) Evtushenko et al. 2000

Ac-2032 <-- ICMP, ICMP 8792. (ICMP 8792). Synonym: *Clavibacter xyli* subsp. *cynodontis* Davis et al. 1984. (Medium 166, 28°C, C-1, F-1)

Ac-2041 Type <-- ICMP, ICMP 8790. (ATCC 33973; CIP 104615; DSM 46306; ICMP 8790; JCM 9733; LMG 7552; NCIMB 11927). Synonym: *Clavibacter xyli* subsp. *cynodontis* Davis et al. 1984 Type. Ex: bermudagrass, *Cynodon dactylon*, Taiwan. (Medium 166, 28°C, F-1)

***Lentzea waywayandensis*** (Labeda and Lyons 1989) Labeda et al. 2001

Ac-1970 Type <-- JCM, JCM 9114. (ATCC 51594; DSM 44232; IFO 14970; JCM 9114; NCIMB 13164; NRRL B-16159). Synonym: *Saccharothrix waywayandensis* Labeda and Lyons 1989 Type. Ex: soil, lake Waywayanda, USA, New Jersey. (Medium 183, 28°C, F-1) (3327)

***Leucobacter komagatae*** Takeuchi et al. 1996

Ac-2073 Type <-- IFO, IFO 15245. (CCUG 49676; CIP 105084; DSM 8803; IAM 1093; IFO 15245; JCM 9414). Ex: culture contaminant. (Medium 166, 28°C, C-1, F-1)

***Leuconostoc mesenteroides*** subsp. *cremoris* (Knudsen and Sorensen 1929) Garvie 1983

B-1420 Type <-- INMI, VKM B-1420 <-- CCM, CCM 2078 <-- Garvie E.I., LF2. (ATCC 19254; CCM 2078; NCDO 543; DSM 20346; IMET 10693; NCIMB 12008; CIP 103009; Garvie E.I., LF2). Received as: *Leuconostoc cremoris*. Synonym: *Leuconostoc cremoris* (Knudsen and Sorensen 1929) Garvie 1960 Type. Ex: Hansen's dried starter powder. (Medium 75, 30°C, F-1, S-5) (75, 355, 371, 1366)

***Leuconostoc mesenteroides*** subsp. *dextranicum* (Beijerinck 1912) Garvie 1983

B-1225 Type <-- INMI, VKM B-1225 <-- CCM, CCM 2086 <-- NCDO, NCDO 529. (ATCC 19255; CCM 2086; NCDO 529; NRRL B-3469; DSM 20484; IMET 10694; NCFB 529; CIP 102423; NCIMB 1200). Received as: *Leuconostoc dextranicum*. Synonym: *Leuconostoc dextranicum* (Beijerinck 1912) Hucker and Pederson 1930 Type. (Medium 75, 26°C, F-1, S-5) (371, 1366)

***Leuconostoc mesenteroides*** subsp. *mesenteroides* (Tsenkovskii 1878) van Tieghem 1878

B-1601 Type <-- CCM, CCM 1803 <-- NRRL, NRRL B-1118. (ATCC 8293; CCM 1803; NCIB 8023; NCIMB 8023; NCDO 523; NRRL B-1118; DSM 20343; Vaughn R.H., 37Y).

Received as: *Leuconostoc mesenteroides*. Ex: fermenting olives. (Medium 75, 26°C, F-1, S-5) (342, 355, 361, 415)

B-1654 <-- Preobrazhenskaya M.E. IBMCh, LU-2j9. Received as: *Leuconostoc mesenteroides*. Ex: rotting grape. (Medium 75, 28°C, F-1, S-5) (156)

B-1655 <-- Preobrazhenskaya M.E. IBMCh, LU-39. Received as: *Leuconostoc mesenteroides*. Ex: rotting grape. (Medium 75, 28°C, F-1, S-5) (156)

- B-1656 <-- Preobrazhenskaya M.E. IBMCh, LU-55. Received as: *Leuconostoc mesenteroides*. Ex: rotting plums. (Medium 157, 28°C, F-1, S-5) (156)
- B-1657 <-- Preobrazhenskaya M.E. IBMCh, LU-111. Received as: *Leuconostoc mesenteroides*. Ex: rotting grape. (Medium 157, 28°C, F-1, S-5) (156)
- B-1658 <-- Preobrazhenskaya M.E. IBMCh, NRRL B-1299 <-- Jeanes A. USA, NRRL B-1299. (ATCC 11449; NRRL B-1299). Received as: *Leuconostoc mesenteroides*. (Medium 75, 28°C, F-1, S-5)
- B-1659 <-- Preobrazhenskaya M.E. IBMCh, NRRL B-1355 <-- Jeanes A. USA, NRRL B-1355. (NRRL B-1355). Received as: *Leuconostoc mesenteroides*. (Medium 75, 28°C, L-1, S-5)

***Luteococcus japonicus*** Tamura et al. 1994

- Ac-1951 Type <-- IFO, IFO 12422. (ATCC 51526; CUG 38731; CIP 104067; DSM 10546; IFO 12422; JCM 9415; OUT 8086). Ex: soil of Tokara island, Japan. (Medium 166, 30°C, F-1) (3301)

***Lysinibacillus sphaericus*** (Meyer and Neide 1904) Ahmed et al. 2007

- B-509 Type <-- INMI, VKM B-509 <-- NCTC, NCTC 10338 <-- Gibson T., 1013. (ATCC 14577; NCIB 9370; NCIMB 9370; NCTC 10338; CCM 2120; CCEB 640; DSM 28; Gibson T., 1013). Received as: *Bacillus sphaericus*. Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 5, 30°C, F-1, S-4)
- B-712 <-- INMI, VKM B-712 <-- NCIB, NCIB 8217 <-- Smith N.R., 344. (NCIB 8217; ATCC 94; CCM 2176; AMWH 471; CNCM (CIP) 52.89; Smith N.R., 344). Received as: *Bacillus sphaericus*. Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 5, 30°C, F-1, S-4)
- B-713 <-- INMI, VKM B-713 <-- NCIB, NCIB 8218. (NCIB 8218; NCIMB 8218; ATCC 4525; CCM 2177; Smith N.R., 348; Ford W.W., 25). Received as: *Bacillus sphaericus*. Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 5, 30°C, F-1, S-4)
- B-714 <-- INMI, VKM B-714 <-- NCIB, NCIB 8867. (ATCC 12844; NCIB 8867 "*Bacillus sphaericus* subsp. *rotans*"; NCIMB 8867; BUCSAV 416; Peel Y.L. CO8). Received as: *Bacillus sphaericus*. Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 5, 30°C, F-1, S-4)
- B-751 <-- INMI, VKM B-751 <-- CCM, CCM 1086. (NCIB 8216; NCIMB 8216; BUCSAV 168; Smith N.R. 250). Received as: *Bacillus sphaericus*. Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 3, 30°C, F-1, S-4)
- B-752 <-- INMI, VKM B-752 <-- CCM, CCM 1087. (CCM 1087; Smith N.R., 966). Received as: *Bacillus sphaericus*. Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 3, 30°C, F-1, S-4)
- B-754 <-- INMI, VKM B-754 <-- CCM, CCM 1615. (CCM 1615; Proom H., CN 1760). Received as: *Bacillus sphaericus*. Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 3, 30°C, F-1, S-4)
- B-755 <-- INMI, VKM B-755 <-- CCM, CCM 43. (CCM 43). Received as: "*Bacillus sphaericus* subsp. *fusiformis*" Smith et al. 1946. Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 3, 30°C, F-1, S-4)
- B-756 <-- INMI, VKM B-756 <-- CCM, CCM 1618. (CCM 1618; Proom H., CN 2206). Received as: "*Bacillus sphaericus* subsp. *rotans*" Smith et al. 1946. Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 3, 30°C, F-1, S-4)
- B-757 <-- INMI, VKM B-757 <-- CCM, CCM 1616. (CCM 1616). Received as: "*Bacillus sphaericus* subsp. *fusiformis*" Smith et al. 1946. Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 3, 30°C, F-1, S-4)
- B-923 <-- INMI, VKM B-923 <-- INMIA. (CNCM (CIP) 51.16). Received as: "*Bacillus sphaericus* subsp. *fusiformis*" Smith et al. 1946. Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 3, 30°C, F-1, S-4)
- B-924 <-- INMI, VKM B-924 <-- INMIA. (IFO 3341). Received as: *Bacillus sphaericus*. Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 3, 30°C, F-1, S-4)

- B-925 <-- INMI, VKM B-925 <-- INMIA. (CNCM (CIP) 51.25). Received as: *Bacillus sphaericus*.  
Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 3, 30°C, F-1, S-4)
- B-926 <-- INMI, VKM B-926 <-- INMIA. (CNCM (CIP) 52.89). Received as: *Bacillus sphaericus*.  
Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 5, 30°C, F-1, S-4)
- B-927 <-- INMI, VKM B-927 <-- INMIA. (CNCM (CIP) 52.88; ATCC 245). Received as: *Bacillus sphaericus*.  
Synonym: *Bacillus sphaericus* Meyer and Neide 1904. (Medium 3, 30°C, F-1, S-4)

***Lysobacter antibioticus*** Christensen and Cook 1978

- B-2273 Type <-- DSMZ, DSM 2044. (ATCC 29479; DSM 2044; HAMBI 1957; LMG 8760). Ex: soil; Canada. (Medium 52, 30°C, F-1).

***Lysobacter enzymogenes*** Christensen and Cook 1978

- B-2235 Type <-- DSMZ, DSM 2043. (ATCC 29487; DSM 2043; LMG 8762). Ex: soil; Canada. (Medium 52, 30°C, F-1).

***Maricaulis maris*** (Poindexter 1964) Abraham et al. 1999

- B-1510 Type <-- Andreev L.V. IBPM, CM 11 <-- Poindexter J.S. PHRI, CM 11. (ATCC 15268; CIP 106103; DSM 4734; JCM 21108; NBRC 102484). Received as: *Caulobacter maris* Type.  
Synonym: *Caulobacter halobacteroides* Poindexter 1964; *Caulobacter maris* Poindexter 1964 Type. Ex: sea water, USA, California. (Medium 43, 25°C, F-1, S-5, S-4) (1351, 1366)
- B-1511 <-- Andreev L.B. IBPM, CM 13 <-- Poindexter J.S. PHRI, CM 13. (ATCC 15269; NCMB 2022; NCIMB 2022). Received as: *Caulobacter halobacteroides* Type. Synonym: *Caulobacter halobacteroides* Poindexter 1964 Type; *Caulobacter maris* Poindexter 1964. Ex: sea water, USA, California. (Medium 43, 25°C, F-1, S-5, S-4) (1351, 1366)

***Maricaulis virginensis*** Abraham et al. 2002

- B-1513 Type <-- Andreev L.V. IBPM, VC 5 <-- Poindexter J.S. PHRI, VC 5. (CIP 107438; LMG 21018). Received as: *Caulobacter* sp. (Medium 43, 25°C, F-1, S-5, S-4)
- B-1514 <-- Andreev L.V. IBPM, VC 13 <-- Poindexter J.S. PHRI, VC 13. Received as: *Caulobacter* sp. (Medium 43, 25°C, F-1, S-5, S-4)

***Marinococcus halophilus*** (Novitsky and Kushner 1976) Hao et al. 1985

- Ac-1985 Type <-- JCM, JCM 2479. (ATCC 27964; CCM 2706; CIP 104759, 104819; DSM 20408; IAM 12844; JCM 2479; LMG 17439; NRCC 14033). Synonym: *Planococcus halophilus* Novitsky and Kushner 1976 Type. Ex: salted mackerel. (Medium 228, 28°C, F-1) (3310, 3311, 3350)

***Meiothermus ruber*** (Loginova et al. 1984) Nobre et al. 1996

- B-1258 Type <-- INMI, VKM B-1258 <-- Loginova L.G. INMI, 21. (ATCC 35948; DSM 1279). Received as: *Thermus ruber*. Synonym: *Thermus ruber* (ex Loginova et al. 1975) Loginova et al. 1984. Ex: thermal spring Kamchatka peninsula. (Medium 142, 60°C, F-1, S- 5) (58, 124, 158, 392)

***Methanobacterium bryantii*** Balch and Wolfe 1981

- B-1629 Type <-- Obraszova A.Ya. IBPM, M.o.H <-- Zeikus G.J. (ATCC 33272; DSM 863; OCM 110). Ex: syntrophic association "*Metanobacterium omelianskii*". (Medium 176, 37-39°C, C-8, S-2) (274, 275, 350, 447, 540, 709, 1117)
- B-1630 <-- Obraszova A.Ya. IBPM, 51. Ex: oil pool, Tatarstan, Elabuga. (Medium 176, 45°C, C-8, S-2) (41, 1117, 1128)
- B-1631 <-- Obraszova A.Ya. IBPM, 26. Ex: water injected into oil well, Tatarstan, Elabuga. (Medium 176, 45°C, C-8, S-2) (41, 1117, 1128)
- B-2198 <-- Shcherbakova V.A. IBPM, MH. Ex: anaerobic mud from bioreactor, Moscow region, Russia. (Medium 176, 37°C, C-8, S-2)

***Methanobacterium defluvii*** Kotelnikova et al. 1994

B-1962 Type <-- Kotelnikova S.V. IBPM, ADZ. (ATCC 51443; DSM 7466; OCM 570). Received as: *Methanobacterium* sp. Ex: anaerobic sewage digester of chemical plant, Russia, Dzerzhinsk. (Medium 176, 60°C, C-8, S-2)

***Methanobacterium formicum*** Schnell 1947

B-1632 <-- Oblaszova A.Ya. IBPM, 41. Ex: stratal water of Bondyuzh oil pool, Tatarstan, Elabuga. (Medium 176, 37°C, C-8, S-2) (41, 1117, 1128)

B-1633 <-- Oblaszova A.Ya. IBPM, 48. Ex: oil pool, Tatarstan, Elabuga. (Medium 176, 37°C, C-8, S-2) (41, 1117, 1128)

B-1957 Type <-- Zhilina T.N. INMI, DSM 1535 <-- Wolfe R.S. <-- Bryant M.P., MF. (ATCC 33274; DSM 1535; JCM 10132; NBRC 100475; OCM 55). Ex: anaerobic sewage sludge digester, USA, Illinois, Urbana. (Medium 176, 37°C, C-8, S-2) (540, 1117, 1128)

***Methanobacterium ivanovii*** Jain et al. 1988

B-1634 Type <-- Oblaszova A.Ya. IBPM, 31. (DSM 2611; OCM 140) Ex: oil pool, Tatarstan, Elabuga, depth 1500-1700 m. (Medium 176, 37-45°C, C-8, S-2) (41, 709, 964, 1117, 1128, 1287)

***Methanobacterium*** sp.

B-1960 <-- Zhilina T.N. INMI, Z-1901. Ex: hydrothermae of Uzon, peninsula Kamchatka, Russia. (Medium 176, 55-60°C, C-8, S-2)

***Methanobacterium*** sp.

B-1961 <-- Zhilina T.N. INMI, Z-1201. Ex: microbial association "*Methanobacillus kusnezovii*". (Medium 176, 58°C, C-8, S-2)

***Methanobacterium thermaggregans*** corrig. Blotevogel and Fischer 1988

B-1959 Type <-- Oblaszova A.Ya. IBPM, DSM 3266 <-- Blotevogel K.H. (DSM 3266; ATCC 43168). Ex: mud from cattle pasture, Germany, Oldenburg. (Medium 176, 65°C, S-3) (49)

***Methanosarcina barkeri*** Schnell 1947

B-1635 Type <-- Oblaszova A.Ja. IBPM, MS <-- Zeikus G., MS. (DSM 800; ATCC 43569; JCM 10043; NBRC 100474; OCM 38). Ex: anaerobic seawage digester. (Medium 176, 37°C, S-2) (540, 1117, 1128)

***Methanosarcina lacustris*** Simankova et al. 2002

B-2268 Type <-- Simankova M.V., INMI, ZS (ZS, DSM 13486). Ex: anoxic lake sediments, Switzerland. (Medium 117, 25°C, S-2)

***Methanosarcina mazei*** (Barker 1936) Mah and Kuhn 1984

B-1636 Type <-- Oblaszova A.Ya. IBPM, S-6 <-- DSM, DSM 2053. (DSM 2053; Mah R.A., S-6).  
Synonym: *Methanococcus mazei* Barker 1936. Ex: sewage sludge, USA, California. (Medium 176, 37°C, S-2) (326, 540, 964, 1117)

B-1637 <-- Oblaszova A.Ya. IBPM, 47. Synonym: *Methanococcus mazei* Barker 1936. Ex: stratal water of oil pool, Tatarstan, Elabuga. (Medium 117, 37°C, S-2) (42, 390, 964, 1117, 1150, 1229)

B-2199 <-- Shcherbakova V.A. IBPM, MM. Synonym: *Methanococcus mazei* Barker 1936. Ex: anaerobic mud from bioreactor, Moscow region, Russia. (Medium 117, 37°C, S-2)

***Methanothermobacter thermautotrophicus*** (Zeikus and Wolfe 1972) Wasserfallen et al. 2000

B-1851 <-- Kotelnikova S.V. IBPM, D.V. Received as: *Methanobacterium thermoformicum*.  
Synonym: *Methanobacterium thermautotrophicum* corrig. Zeikus and Wolfe 1972 emend.

- Touzel et al. 1992, *Methanobacterium thermoformicum* Zhilina and Ilarionov 1986, *Methanobacterium thermalcaliphilum* corrig. Blotevogel et al. 1988. Ex: hydrothermae of Uzon, Kamchatka, Russia. (Medium 176, 62°C, C-8, S-3) (619)
- B-1852 <-- Kotelnikova S.V. IBPM, F-1. Received as: *Methanobacterium thermoformicum*.  
Synonym: *Methanobacterium thermautotrophicum* corrig. Zeikus and Wolfe 1972 emend. Touzel et al. 1992, *Methanobacterium thermoformicum* Zhilina and Ilarionov 1986, *Methanobacterium thermalcaliphilum* corrig. Blotevogel et al. 1988. Ex: sewage sludge digester at 60°C, Russia, Moscow region, Lyubertsy. (Medium 176, 58°C, C-8, S-2) (646)
- B-1908 Type <-- Obraszova A.Ya. IBPM, delta H. (ATCC 29096; DSM 1053; Zeikus J.G., delta H).  
Received as: *Methanobacterium thermautotrophicum*. Synonym: *Methanobacterium thermautotrophicum* corrig. Zeikus and Wolfe 1972 emend. Touzel et al. 1992 Type, *Methanobacterium thermoformicum* Zhilina and Ilarionov 1986, *Methanobacterium thermalcaliphilum* corrig. Blotevogel et al. 1988. Ex: sewage sludge digester, USA, Illinois, Urbana. (Medium 176, 65°C, C-8, S-3) (540, 671)
- B-1958 <-- Obraszova A.Ya. IBPM <-- DSM, DSM 3267 <-- Blotevogel K.H., AC60. (ATCC 43169; DSM 3267). Received as: *Methanobacterium thermoalcaliphilum*. Synonym: *Methanobacterium thermautotrophicum* corrig. Zeikus and Wolfe 1972 emend. Touzel et al. 1992, *Methanobacterium thermoformicum* Zhilina and Ilarionov 1986, *Methanobacterium thermalcaliphilum* corrig. Blotevogel et al. 1988 Type. Ex: biogas plant, Germany, Paderborn. (Medium 176, 60°C, C-8, S-2) (248)

***Methanothermobacter thermoflexus*** (Kotelnikova et al. 1994) Boone 2002

- B-1963 Type <-- Kotelnikova S.V., IBPM, IDZ (IDZ; ATCC 51444; DSM 7268; OCM 571).  
Received as: *Methanobacterium* sp. Synonym: *Methanobacterium thermoflexum*  
Kotelnikova et al. 1994 Type. Ex: anaerobic digester sludge, waste waters containing methacrylates. (Medium. 115, 55°C, S-2).

***Methanothermobacter thermophilus*** (Laurinavichus et al. 1990) Boone 2002

- B-1786 Type <-- Kotelnikova S.V. IBPM, M. (DSM 6530; OCM 231). Received as:  
*Methanobacterium thermophilum*. Synonym: *Methanobacterium thermophilum*  
Laurinavichus et al. 1990 Type. Ex: anaerobic sewage sludge digester at 60°C, Russia, Moscow region, Lyubertsy. (Medium 176, 57°C, C-8, S-3) (619)

***Methanothermobacter wolfeii*** (Winter et al. 1985) Wasserfallen et al. 2000

- B-1829 Type <-- DSM, DSM 2970 <-- Winter J. (ATCC 43096; DSM 2970). Received as:  
*Methanobacterium wolfeii*. Synonym: *Methanobacterium wolfeii* Winter et al. 1985 Type.  
Ex: mixture of sewage sludge and river sediment, USA. (Medium 176, 55-65°C, C-8, S-2) (907)

***Methyloarcuella marina*** Doronina et al. 2000

- B-2159 Type <-- Doronina N.V. IBPM, h1. Ex: estuary of the Azov Sea. (Medium 222, 30°C, S-2)

***Methyloarcuella terricola*** Doronina et al. 2000

- B-2160 Type <-- Doronina N.V. IBPM, h37. Ex: soil, the beach of the Azov Sea. (Medium 222, 30°C, S-2)

***Methylobacillus flagellatus*** Govorukhina et. al. 1998

- B-1610 Type <-- Trotsenko Yu.A. IBPM, KT. (ATCC 51484; DSM 6875). Ex: waste waters, Russia, Moscow. (Medium 134, 30-42°C, S-1)

***Methylobacillus glycogenes*** Yordy and Weaver 1977 emend. Urakami and Komagata 1986

- B-2060 Type <-- Doronina N.V. IBPM <-- Byron D. (TK0113; ATCC 29475; JCM 2850; NCIB 11375; DSM 46232). Ex: soil. (Medium 134, 29°C, F-1) (2716, 2717)

***Methylobacillus pratensis*** Doronina et al. 2004

B-2247 Type <-- Doronina N.V., IBPM, F31 (F31, NCIMB 13994). Ex: meadow grass, city park, Finland, Helsinki . (Medium 134 without methylamine, 25–30°C, F-1.)

***Methylobacillus*** sp.

B-1609 <-- Doronina N.V. IBPM, 34. Received as: "*Methylobacillus fructoseoxidans*" Doronina et. al. Ex: soil, Kazakhstan, Alma-Ata. (Medium 134, 29-35°C, S-1) (247)

***Methylobacter psychrophilus*** Omel'chenko et al. 2000.

B-2103 Type <-- Doronina N.V. IBPM, Z-0021 <-- Vasiljeva L.V. INMI Z-0021. Ex: wetland soil. (Medium 221, 5-10°C, C-9)

***Methylobacter*** sp.

B-2111 <-- Doronina N.V. IBPM, 89 <-- Galchenko V.F. INMI. Received as: "*Methylobacter bovis*" Whittenbury et al. Type (Medium 221, 29°C, C-9)

***Methylobacter*** sp.

B-2112 <-- Doronina N.V. IBPM, 98 <-- Galchenko V.F. INMI. Received as: "*Methylobacter bovis*" Whittenbury et al. (Medium 221, 29°C, C-9)

***Methylobacter*** sp.

B-2113 <-- Doronina N.V. IBPM, 30 <-- Galchenko V.F. INMI. Received as: "*Methylobacter vinelandii*" Whittenbury et al. (Medium 221, 29°C, C-9)

***Methylobacter*** sp.

B-2114 <-- Doronina N.V. IBPM, 72 <-- Galchenko V.F. INMI. Received as: "*Methylobacter chroococcum*" Whittenbury et al. (Medium 221, 29°C, C-9)

***Methylobacter*** sp.

B-2115 <-- Doronina N.V. IBPM, 90 <-- Galchenko V.F. INMI. Received as: "*Methylobacter chroococcum*" Whittenbury et al. Type. (Medium 221, 29°C, C-9)

***Methylobacter*** sp.

B-2180 <-- Doronina N.V. IBPM, 10 S. Received as: "*Methylobacter modestohalophilus*" Hmelenina et al. Type. Ex: Lake Sasyk, Sivash, Crimea. (Medium 221, 25°C, C-9)

***Methylobacterium aminovorans*** Urakami et al. 1993

B-2145 Type <-- Doronina N.V. IBPM, JCM 8240 <-- JCM, JCM 8240. (ATCC 51358; IFO 15686; JCM 8240; NCIMB 13343). Ex: Soil, Niigata, Japan. Degrades tetramethyl ammonium. (Medium 222 without NaCl and with 10 ml methanol/l, 30°C, C-9)

***Methylobacterium extorquens*** (Urakami and Komagata 1984) Bousfield and Green 1985 emend. Kato et al. 2008

B-2064 Type <-- Doronina N.V. IBPM <-- NCIMB, NCIMB 9399. (NCIB 9399; NCIMB 9399; ATCC 43645; CCUG 2084; DSM 1337; IAM 12631; IFO (now NBRC) 15687; JCM 2802; NCCB 78015; JSM 2802; DSM 1337). Synonym: *Protomonas extorquens* (ex Bassalik 1913) Urakami and Komagata 1984, *Methylobacterium dichloromethanicum* Doronina et al. 2000. (Medium 134, 29 °C, F-1)

B-2067 <-- Doronina N.V. IBPM <-- NCIMB, NCIMB 9133. (NCIMB 9133; NCIB 9133; JCM 2805; TK 0005). Synonym: *Protomonas extorquens* (ex Bassalik 1913) Urakami and Komagata 1984, *Methylobacterium dichloromethanicum* Doronina et al. 2000. (Medium 134, 29°C, F-1)

B-2191 <-- Doronina N.V., IBPM, DM4 (DM4; CIP 106787; DSM 6343). Received as: *Methylobacterium dichloromethanicum*. Synonym: *Protomonas extorquens* (ex Bassalik

1913) Urakami and Komagata 1984, *Methylobacterium dichloromethanicum* Doronina et al. 2000 Type. Ex: a waste waters containing dichloromethane, Switzerland. (Medium 134 without methylamine, 30°C, F-1)

***Methylobacterium organophilum*** Patt et al. 1976

B-2066 Type <-- Doronina N.V. IBPM <-- NCIMB, NCIMB 11278. (ATCC 27886; NCIMB 11278; NCIB 11278; JCM 2833; TK 0047). (Medium 134, 29°C, F-1) (2719)

***Methylobacterium radiotolerans*** (Ito and Iizuko 1971) Green and Bousfield 1983

B-2144 Type <-- Doronina N.V. IBPM, JCM 2831 <-- JCM, JCM 2831. (JCM 2831; ATCC 27329; CIP 101128; DSM 1819; IAM 12098; IFO 15690; LMG 2269; NCIMB 10815). Synonym: *Pseudomonas radiora* Ito and Iizuka 1971 Type. Ex: unhulled old rice. (Medium 221, 30°C, C-9)

***Methylobacterium rhodesianum*** Green et al. 1988 emend. Kato et al. 2008

B-2142 Type <-- Doronina N.V. IBPM, JCM 2810 <-- JCM, JCM 2810. (JCM 2810, DSM 5687, ATCC 21614, NCIMB 10611). Synonym: *Methylobacterium lusitanum* Doronina et al. 2002. Ex: fermentor. (Medium 221, 30°C, C-9)

B-2239 <-- Doronina N.V., IBPM, RXM (RXM, DSM 14457, NCIMB 13779). Received as: *Methylobacterium lusitanum*. Synonym: *Methylobacterium lusitanum* Doronina et al. 2002 Type. Ex: a sewage station in Portugal. (Medium 134 without methylamine, 25–30°C, F-1.)

***Methylobacterium rhodinum*** (Heumann 1962) Green and Bousfield 1983

B-2065 Type <-- Doronina N.V. IBPM <-- NCIMB, NCIMB 9421 (NCIMB 9421; NCIB 9421; ATCC 14821; JCM 2811; TK 0010). Synonym: *Pseudomonas rhodos* Heumann 1962 Type. (Medium 134, 29°C, F-1) (2718)

***Methylobacterium suomiense*** Doronina et al. 2000

B-2238 Type <-- Doronina N.V., IBPM, F20 (F20; NCIMB 13778; DSM 14458). Ex: forest soil, Lammi Biological Station, Finland. (Medium 134 without methylamine, 25–30°C, F-1.)

***Methylobacterium thiocyanatum*** Wood et al. 1999

B-2197 Type <-- Doronina N.V. IBPM, DSM 11490 <-- Wood A.P., DSM 11490 (ATCC 700647; DSM 11490; JCM 10893). Ex: rhizosphere of *Allium aflatunense*. (Medium 134 + 240 mg KCNS/l, 30°C, C-9)

***Methylobacterium zatmanii*** Green et al. 1988

B-2161 Type <-- Doronina N.V. IBPM, NCIMB 12243 <-- NCIMB, NCIMB 12243. (ATCC 43883; NCIMB 12243; DSM 5688). Ex: fermentor. (Medium 221, 30°C, C-9)

***Methylococcus capsulatus*** Foster and Davis 1966

B-2116 <-- Doronina N.V. IBPM, Bath <-- Galchenko V.F. INMI. (Medium 221, 29°C, C-9)

***Methylocystis echinoides*** (ex Gal'chenko et al. 1977) Bowman et al. 1993

B-2128 Type <-- Doronina N.V. IBPM, 2 <-- Galchenko V.F. INMI. (IMET 10491; UNIQEM 25). (Medium 221, 29°C, C-9)

***Methylocystis parvus*** (ex Whittenbury et al. 1970) Bowman et al. 1993

B-2129 Type <-- Doronina N.V. IBPM, 93 <-- Galchenko V.F. INMI. (ACM 3309; ATCC 35066; IMET 10483; NCIMB 11129; UNIQEM 38). Synonym: "*Methylocystis parvus*" Whittenbury et al. 1970. (Medium 221, 29°C, C-9)

***Methylocystis* sp.**

B-2124 <-- Doronina N.V. IBPM, 42 <-- Galchenko V.F. INMI. Received as: "*Methylocystis*

*minimus*" Galchenko, Type. (Medium 221, 29°C, C-9)

***Methylocystis* sp.**

B-2125 <-- Doronina N.V. IBPM, b2 <-- Galchenko V.F. INMI. Received as: "*Methylocystis minimus*" Galchenko.(Medium 221, 29°C, C-9)

***Methylocystis* sp.**

B-2126 <-- Doronina N.V. IBPM, 10 <-- Galchenko V.F. INMI. Received as: "*Methylocystis methanolicus*" Whittenbury et al. Type. (Medium 221, 134, 29°C, C-9)

***Methylocystis* sp.**

B-2127 <-- Doronina N.V. IBPM, 14 <-- Galchenko V.F. INMI. Received as: "*Methylocystis pyriformis*" Galchenko, Type. (Medium 221, 29°C, C-9)

***Methylomonas methanica* (ex Söhngen 1906) Whittenbury and Krieg 1984**

B-2109 <-- Doronina N.V. IBPM, 12 <-- Galchenko V.F. INMI. Synonym: "*Methylomonas methanica*" (Söhngen 1906) Leadbetter 1974. (Medium 221, 29°C, C-9)

B-2110 Type <-- Doronina N.V. IBPM, 68 <-- Galchenko V.F. INMI. (ATCC 35067; NCIMB 11130; UNIQEM 8). Synonym: "*Methylomonas methanica*" (Söhngen 1906) Leadbetter 1974. (Medium 221, 29°C, C-9)

***Methylophaga alcalica* Doronina et al. 2003**

B-2251 Type <-- Doronina N.V., IBPM, M39 (M39, ATCC BAA-297; DSM 14953). Ex: saline soda lake, East Mongolia. (Medium 239, 29°C, F-1)

***Methylophaga marina* Janvier et al. 1985**

B-2056 Type <-- Doronina N.V. IBPM <-- Casser F., ATCC 35842. (ATCC 35842; CIP 104551; DSM 5689; JCM 6886; NBRC 102421; NCIMB 2244). Ex: marine water. (Medium 222, 29°C, C-9) (2720)

***Methylophaga* sp.**

B-2131 <-- Doronina N.V. IBPM, hal 6. DM 9. Recived as: "*Methylophaga limanica*" Doronina et al. Type. Ex: estuary, Crimea. (Medium 221, 30°C, C-9)

***Methylophaga thalassica* Janvier et al. 1985**

B-2057 Type <-- Doronina N.V. IBPM <-- Casser F., ATCC 33146. (ATCC 33146; CIP 104552; DSM 5690; JCM 6887; LMG 4055; NBRC 102424; NCIMB 2163). Ex: marine water. (Medium 222, 29°C, C-9) (2720)

***Methylophilus leisingeri* Doronina and Trotsenko 2001**

B-2013 Type <-- Doronina N.V. IBPM, DM11. (DSM 6813). Ex: water, Switzerland. (Medium 134, 28°C, C-9) (2721)

***Methylophilus methylotrophus* (Byrom and Ousby 1975) Jenkins et al. 1987**

B-1623 Type <-- Govorukhina N.I. IBPM, NCIB 10515 <-- NCIB, NCIB 10515. (ATCC 53528; DSM 46235; LMG 6787; NCIB (now NCIMB) 10515). (Medium 134, 29°C, S-1) (535)

***Methylophilus* sp.**

B-1607 <-- Doronina N.V. IBPM, B. Received as: "*Methylophilus glucoseoxidans*" Doronina et al. Ex: soil, Vietnam. (Medium 134, 28-30°C, S-1) (247)

***Methylophilus* sp.**

B-1608 <-- Doronina N.V. IBPM, RO. Received as: "*Methylophilus glucoseoxidans*" Doronina et al. Ex: soil, Vietnam. (Medium 134, 28-30°C, S-1)

***Methylopila capsulata*** Doronina et al. 1998

B-1606 Type <-- Doronina N.V., IBPM, IM1. (ATCC 700716; DSM 6130). Received as:  
"Methylomicrobium capsulatus" Govorukhina et al. Type. Ex: soil, Uzbekistan, Tashkent.  
(Medium 134, 29°C, S-1) (1137)

***Methylopila helvetica*** Doronina et al. 2000.

B-2175 Type <-- Doronina N.V. IBPM, DM9. (CIP 106788). Ex: soil, Switzerland. Utilizes  
dichlormethane. (Medium 221 with 0.5 % ethanol, 30°C, C-8).

***Methylorhabdus multivorans*** Doronina et al. 1996

B-2030 Type <-- Doronina N.V. IBPM, DM13. (ATCC 51890; CIP 104898). Ex: wastes of plant,  
Switzerland. (Medium 135, 30°C, C-9)

***Methylosinus sporium*** (ex Whittenbury et al. 1970) Bowman et al. 1993

B-2119 <-- Doronina N.V. IBPM, 21 <-- Galchenko V.F. INMI. (Medium 221, 29°C, C-9)

B-2120 <-- Doronina N.V. IBPM, 13 <-- Galchenko V.F. INMI. (Medium 221, 29°C, C-9)

B-2121 <-- Doronina N.V. IBPM, 18 <-- Galchenko V.F. INMI. (Medium 221, 29°C, C-9)

B-2122 <-- Doronina N.V. IBPM, 24 <-- Galchenko V.F. INMI. (Medium 221, 29°C, C-9)

B-2123 <-- Doronina N.V. IBPM, 35 <-- Galchenko V.F. INMI. (Medium 221, 29°C, C-9)

***Methylosinus trichosporium*** (ex Whittenbury et al. 1970) Bowman et al. 1993

B-2117 Type <-- Doronina N.V. IBPM, OB3b <-- Galchenko V.F. INMI. (ACM 3311; ATCC 35070;  
NCIMB 11131; UNIQEM 75). Synonym: "*Methylosinus trichosporium*" Whittenbury et al.  
1970. (Medium 221, 29°C, C-9)

B-2118 <-- Doronina N.V. IBPM, 44 <-- Galchenko V.F. INMI. Synonym: "*Methylosinus*  
*trichosporium*" Whittenbury et al. 1970. (Medium 221, 29°C, C-9)

***Methylothermus thermalis*** Tsubota et al. 2005

B-2345 Type <-- Doronina N.V., IBPM, MYHT (MYHT, IPOD FERM P-19714). Ex: moderately  
thermophilic methanotroph, a hot spring, Japan. (Medium 240, 57–59°C, F-3)

***Methylovorus glucosotrophus*** Govorukhina and Trotsenko 1991 emend. Doronina et al. 2005

B-1745 Type <-- Govorukhina N.I. IBPM, 6B1. (ATCC 49758; DSM 6874; NCIMB 13222).  
(Medium 134, 28-30°C, S-1)

***Methylovorus mays*** Doronina et al. 2001 emend. Doronina et al. 2005

B-2221 Type <-- Doronina N.V., IBPM, BV. (NCIMB 13992). (Medium 134, 28-30°C, S-1)

***Microbacterium arabinogalactanolyticum*** (Yokota et al. 1993) Takeuchi and Hatano 1998

Ac-1943 Type <-- JCM, JCM 9171. (ATCC 51926; CCM 4370; CIP 103814; DSM 8611; IFO 14344;  
JCM 9171; LMG 16469). Received as: *Aureobacterium arabinogalactanolyticum*.  
Synonym: *Aureobacterium arabinogalactanolyticum* Yokota et al. 1993 Type. Ex: soil.  
(Medium 166, 28°C, F-1) (3298)

***Microbacterium arborescens*** (ex Frankland and Frankland 1889) Imai et al. 1985

Ac-1944 Type <-- JCM, JCM 5884. (VKM Ac-2074; ATCC 4358; CIP 55.81; DSM 20754; IFO  
3750; JCM 5884; LMG 4009; NCIMB 8185). Synonym: "*Flavobacterium arborescens*"  
(Frankland and Frankland 1889) Bergey et al. 1923 (Medium 166, 28°C, F-1) (3312, 3350)

***Microbacterium aurantiacum*** Takeuchi and Hatano 1998

Ac-2075 Type <-- IFO, IFO 15234. (ATCC 49090; CIP 105730; DSM 12506; IFO 15234; JCM 9177;  
NCFB 2288). Ex: sewage. (Medium 166, 28°C, F-1)

***Microbacterium aurum*** Yokota et al. 1993

Ac-1950 Type <-- JCM, JCM 9179. (VKM Ac-2076; ATCC 51345; CIP 103994; DSM 8600; IFO 15204; JCM 9179). Ex: corn steep liquor. (Medium 166, 28°C, F-1) (3313)

***Microbacterium barkeri*** (Collins et al. 1983) Takeuchi and Hatano 1998

Ac-1020 Type <-- DSM, DSM 20145. (ATCC 15954; CCM 1928; CCUG 33090; CIP 102692; DSM 20145; IAM 12585; IFO 15036; IMET 10688; JCM 1343; LMG 16341; NCIMB 9658). Received as: *Aureobacterium barkeri*. Synonym: *Aureobacterium barkeri* Collins et al. 1983 Type, "*Corynebacterium barkeri*" Dias et al. 1962 Type. Ex: raw domestic sewage. (Medium 166, 28°C, F-1, C-1) (905, 952, 996)

***Microbacterium chocolatum*** Takeuchi and Hatano 1998

Ac-2078 Type <-- IFO, IFO 3758. (BUCSAV 207; CIP 105729; DSM 12507; IFO 3578; JCM 12412; NCIMB 8181). Synonym: "*Chromobacterium chocolatum*" Knutsen 1944. Ex: culture contamination. (Medium 166, 28°C, F-1)

***Microbacterium dextranolyticum*** Yokota et al. 1993

Ac-1940 Type <-- JCM, JCM 9180. (VKM Ac-2077; ATCC 51344; CCUG 38517; CIP 103993; DSM 8607; IFO 14592; JCM 9180; NRRL B-23242). Ex: soil. (Medium 166, 28°C, F-1) (3313)

***Microbacterium esteraromaticum*** (Omelianski 1923) Takeuchi and Hatano 1998

Ac-1942 Type <-- JCM, JCM 9172. (ATCC 8091; BUCSAV 326; CCM 4371; BCRC 15447; CIP 103916; DSM 8609; IFO 3751; JCM 9172; LMG 4020; NCFB 2277; NCIMB 8186). Received as: *Aureobacterium esteraromaticum*. Synonym: *Aureobacterium esteraromaticum* (Omelianski 1923) Yokota et al. 1993 Type, *Flavobacterium esteraromaticum* (Omelianski 1923) Bergey et al. 1930 Type. (Medium 166, 28°C, F-1) (3298)

***Microbacterium flavescens*** (Lochhead 1958) Takeuchi and Hatano 1998

Ac-1415 Type <-- DSM, DSM 20643. (ATCC 13348; CCUG 29000; CIP 102401; DSM 20643; IFO 15039; JCM 11568, 3837; LMG 3028; NCIMB 9221). Received as: *Aureobacterium flavescens*. Synonym: *Aureobacterium flavescens* (Lochhead 1958) Collins et al. 1983 Type, *Arthrobacter flavescens* Lochhead 1958 Type. Ex: soil. (Medium 166, 28°C, F-1) (905, 952)

***Microbacterium halophilum*** Takeuchi and Hatano 1998

Ac-2080 Type <-- IFO, IFO 16062. (DSM 12508; IFO 16062; JCM 12077). Ex: soil in mangrove rhizosphere, Okinawa pref., Japan. (Medium 166, 28°C, F-1)

***Microbacterium hominis*** Takeuchi and Hatano 1998

Ac-2081 Type <-- IFO, IFO 15708. (CIP 105731; DSM 12509; IFO 15708; JCM 12413). Ex: lung aspirate. (Medium 166, 28°C, F-1)

***Microbacterium imperiale*** (Steinhaus 1941) Collins et al. 1983

Ac-1447 Type <-- INMI, VKM B-1204 <-- Belikova V.L. IBPM, B-67. (ATCC 8365; BCRC 11226; CIP 82.108; DSM 20530; IAM 1654; IFO 12610; IMET 10714; JCM 1378; NCFB 2269; NCIMB 9888). Received as: *Brevibacterium imperiale*. Synonym: *Brevibacterium imperiale* (Steinhaus 1941) Breed 1953 Type. Ex: alimentary tract of imperial moth, *Eacles imperialis*. (Medium 64, 166, 28°C, F-1, F-3, C-1) (292, 952)

***Microbacterium keratanolyticum*** (Yokota et al. 1993) Takeuchi and Hatano 1998

Ac-1958 Type <-- JCM, JCM 9173. (ATCC 35057; CCM 4375; CIP 103815; DSM 8606; IFO 13309; JCM 9173; LMG 16470). Received as: *Aureobacterium keratanolyticum*. Synonym:

*Aureobacterium keratanolyticum* Yokota et al. 1993 Type. Ex: soil. (Medium 166, 28°C, F-1) (3298)

***Microbacterium ketosireducens*** Takeuchi and Hatano 1998

Ac-2082 Type <-- IFO, IFO 14548. (CIP 105732; DSM 12510; IFO 14548; JCM 12078). Synonym: "*Aureobacterium ketoreductum*". Ex: soil. (Medium 166, 28°C, F-1)

***Microbacterium lacticum*** Orla-Jensen 1919

Ac-1145 Type <-- INMI, VKM B-1254 <-- IBPM, B-142. (ATCC 8180; CCM 1584; CCUG 28998; CIP 69.3; DSM 20427; IAM 1640; IFO 14135; JCM 1379; LMG 4047; NCIMB 8540). (Medium 64, 28°C, F-1, C-3) (292, 666)

***Microbacterium laevaniformans*** Collins et al. 1983

Ac-1138 Type <-- INMI, VKM B-1215 <-- IBPM, B-138 <-- CCM, CCM 1929. (ATCC 15953; CCM 1929; CIP 100934; DSM 20140; IFO 14471; JCM 9181; NCIMB 9659). Received as: "*Corynebacterium laevaniformans*". Synonym: "*Corynebacterium laevaniformans*" Dias and Bhat 1962j. Ex: activated sludge. (Medium 64, 28°C, F-1, C-1) (292, 952, 890)

***Microbacterium liquefaciens*** (Collins et al. 1983) Takeuchi and Hatano 1998

Ac-1018 Type <-- DSM, DSM 20638. (ATCC 43647; CCUG 33091; CIP 102402; DSM 20638; IFO 15037; JCM 3879; LMG 16342; NCIMB 11509). Received as: *Aureobacterium liquefaciens*. Synonym: *Aureobacterium liquefaciens* (ex Orla-Jensen 1919) Collins et al. 1983 Type, "*Microbacterium liquefaciens*" Orla-Jensen 1919. Ex: milk. (Medium 166, 28°C, F-1, C-1) (905, 952)

***Microbacterium maritypicum*** (ZoBell and Upham 1944) Takeuchi and Hatano 1998

Ac-2079 Type <-- IFO, IFO 15779. (VKM B-1170; ATCC 19260; CIP 105733; DSM 12512; IFO 15779; JCM 11570; LMG 8374; NCIMB 559). Synonym: *Flavobacterium marinotypicum* ZoBell and Upham 1944 Type. Ex: sea water and marine mud. (Medium 166, 28°C, F-1)

***Microbacterium oxydans*** (Chatelain and Second 1966) Schumann et al. 1999

Ac-2116 Type <-- IFO, IFO 15586. (CIP 6612; DSM 20578; IFO 15586; JCM 12414; NCIMB 9944). Synonym: *Brevibacterium oxydans* Chatelain and Second 1966 Type. Ex: contaminated hospital material. (Medium 166, 28°C, F-1)

***Microbacterium saperdae*** (Lysenko 1959) Takeuchi and Hatano 1998

Ac-1414 Type <-- DSM, DSM 20169 <-- ATCC, ATCC 19272. (VKM Ac-1022; ATCC 19272; CCEB 336; DSM 20169; IAM 12547; IFO 15038; JCM 1352; LMG 16343; NRRL B-14833). Received as: *Aureobacterium saperdae*. Synonym: *Aureobacterium saperdae* (Lysenko 1959) Collins et al. 1983 Type, *Curtobacterium saperdae* (Lysenko 1959) Yamada and Komagata 1972 Type, *Brevibacterium saperdae* Lysenko 1959 Type. Ex: dead larvae of elm borer, *Saperda carcharias*. (Medium 166, 28°C, F-1, C-1) (905, 952)

***Microbacterium schleiferi*** (Yokota et al. 1993) Takeuchi and Hatano 1998

Ac-1946 Type <-- JCM, JCM 9175. (ATCC 51473; CCM 4364; CIP 102087; DSM 20489; IFO 15075; JCM 9175; LMG 16153). Received as: *Aureobacterium schleiferi*. Synonym: *Aureobacterium schleiferi* Yokota et al. 1993 Type. Ex: activated sludge in dairy factory. (Medium 166, 28°C, F-1) (3298)

***Microbacterium* sp.**

Ac-1389 <-- IBPM, DL-26. (IFO 16364). Ex: *Elytrigia repens*, steam gall induced by nematode *Anguina agropyri*, Moscow region, Russia. (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-1391 <-- IBPM, DL-134.(IFO 16365). Ex: *Agrostis* sp., seed gall induced by nematode *Anguina agrostis*, Iturup Island, Russia (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-1782 <-- T.G. Dobrovolskaya MSU, 3g1a. (IFO 16367). Ex: *Poa annua*, root gall induced by nematode *Sabanguina radicola*, Moscow region, Russia. (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp. .**

Ac-1807 <-- IBPM, DL-53. (IFO 16368). Ex: *Festuca rubra*, leaf gall induced by nematode *Anguina graminis*, Moscow region, Russia (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-1808 <-- IBPM, DL-51. (IFO 16369). Ex: *Festuca rubra*, leaf gall induced by nematode *Anguina graminis*, Russia, (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-1840 <-- IBPM, DL-115. (IFO 16397). Ex: *Agrostis* sp., seed gall induced by nematode *Anguina agrostis*, Iturup island, Russia. (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-2011 <-- Gurina L.V. IBPM, G31. (IFO 16370). Ex: permafrost (depth 23 m, 1.8-3.0 million years ago), Russia. (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-2012 <-- Gurina L.V. IBPM, G37b. (IFO 16371). Ex: permafrost (depth 23 m, 1.8-3.0 million years ago), Russia. (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-2013 <-- Gurina L.V. IBPM, G13b. (IFO 16372). Ex: permafrost (depth 23 m, 1.8-3.0 million years ago), Russia. (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-2014 <-- Gurina L.V. IBPM, G41. (IFO 16373). Ex: permafrost (depth 48.8 m, 1.8-3.0 million years ago), Russia. (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-2015 <-- Gurina L.V. IBPM, G15. (IFO 16374). Ex: permafrost (depth 32.2 m, 1.8-3.0 million years ago), Russia. (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-2016 <-- Gurina L.V. IBPM, G16b. (IFO 16375). Ex: permafrost (depth 32.2 m, 1.8-3.0 million years ago), Russia.(Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-2047 <-- Dorofeeva L.V. IBPM, DL-293. (IFO 16376). Ex: *Stipa* sp., phyllosphere. Belgorod region, Russia. (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-2048 <-- Dorofeeva L.V. IBPM, DL-309. (IFO 16377). Ex: *Androsace* sp., phyllosphere. Belgorod region, Russia. (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-2049 <-- Dorofeeva L.V. IBPM, DL-432. (IFO 16378). Ex: *Calamagrostis* sp., phyllosphere.

Russia. (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-2050 <-- INMI, VKM B-1217 <-- Belikova V.L. IBPM, B-157. (IFO 16379). Received as: "*Flavobacterium suaveolens*". Ex: *Carex pachystylis*, rhizosphere, Tajikistan. (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-2051 <-- VKM, VKM B-1201 <-- INMI, VKM B-1201 <--IBPM, IBPM B-159 <-- Belikova V.L. IBPM, 19-2. (IFO 16380). Received as: *Flavobacterium ferrugineum* Sickles and Shaw 1934. Ex: *Poa bulbosa*, root, Tajikistan, Dushanbe. (Medium 166, 25°C, F-1, C-1) (54)

***Microbacterium* sp.**

Ac-2053 <-- Dorofeeva L.V. IBPM, DL-359. (IFO 16381). Ex: *Mentha* sp., phyllosphere, Belgorod region, Russia. (Medium 166, 25°C, F-1, C-1)

***Microbacterium* sp.**

Ac-2061 <-- IBPM, DL-451. (IFO 16406). Ex: *Lavatera thuringiaceae*, seeds, Moscow region, Russia. (Medium 166, 25°C, F-1, C-1)

***Microbacterium terrae*** (Yokota et al. 1993) Takeuchi and Hatano 1998

Ac-1945 Type <-- JCM, JCM 9176. (ATCC 51476; CCM 4374; CIP 103816; DSM 8610; IFO 15300; JCM 9176; LMG 16471). Received as: *Aureobacterium terrae*. Synonym: *Aureobacterium terrae* Yokota et al. 1993 Type. Ex: soil. (Medium 166, 28°C, F-1) (3298)

***Microbacterium terregens*** (Lochhead and Burton 1953) Takeuchi and Hatano 1998

Ac-2083 Type <-- IFO, IFO 12961 (VKM Ac-1143; VKM B-668; ATCC 13345; CCM 2634; CCUG 23845; CIP 103038; DSM 20449; IFO 12961; JCM 1342; LMG 17311; NCIMB 8909; NRRL B-1824). Synonym: *Aureobacterium terregens* (Lochhead and Burton 1953) Collins et al. 1983 Type, *Arthrobacter terregens* Lochhead and Burton 1953 Type. Ex: soil. (Medium 66, 166, 28°C, F-1, C-1) (653, 905, 952)

***Microbacterium testaceum*** (Komagata and Iizuka 1964) Takeuchi and Hatano 1998

Ac-1019 Type <-- DSM, DSM 20166. (VKM B-1229; ATCC 15829; CCM 2299; BCRC 12120; CCUG 23849; CIP 104324; DSM 20166; IAM 1561; IFO 12675; IMET 10361; JCM 1353; LMG 16344; NCIMB 11430). Received as: *Aureobacterium testaceum*. Synonym: *Aureobacterium testaceum* (Komagata and Iizuka 1964) Collins et al. 1983 Type, *Curtobacterium testaceum* (Komagata and Iizuka 1964) Yamada and Komagata 1972 Type, *Brevibacterium testaceum* Komagata and Iizuka 1964 Type. Ex: paddy, *Oryza sativa*. (Medium 166, 28°C, F-1, C-1, C-3) (905, 952, 1366)

Ac-1781 <-- IBPM, DL-17. (IFO 16366). Ex: *Agrostis* sp., seed gall induced by nematode *Anguina agrostis*, Sakhalin Island, Russia. (Medium 166, 25°C, F-1, C-1)

***Microbacterium thalassium*** Takeuchi and Hatano 1998

Ac-2084 Type <-- IFO, IFO 16060. (CIP 105728; DSM 12511; IFO 16060; JCM 12079). Ex: rhizosphere of mangrove trees, Okinawa pref., Japan. (Medium 166, 28°C, F-1)

***Microbacterium trichothecenolyticum*** (Yokota et al. 1993) Takeuchi and Hatano 1998

Ac-1948 Type <-- JCM, JCM 1358. (ATCC 51475; CIP 103817; DSM 8608; IFO 15077; JCM 1358; LMG 16696). Received as: *Aureobacterium trichothecenolyticum*. Synonym: *Aureobacterium trichothecenolyticum* Yokota et al. 1993 Type. Ex: soil. (Medium 166, 28°C, F-1) (3298)

***Microbispora mesophila*** (Nonomura and Ohara 1971) Zhang et al. 1998

Ac-1953 Type <-- IFO, IFO 14179. (ATCC 27303; BCRC 12464; CBS 265.72; CIP 105593; DSM 43048; IFO 14179; JCM 3151; NCIMB 11544; NRRL B-16986). Received as: *Thermomonospora mesophila*. Synonym: *Thermomonospora mesophila* Nonomura and Ohara 1971 Type. Ex: soil, Japan, Yamanashi Pref. (Medium 184, 37°C, F-1) (1044, 1366)

***Microbispora rosea*** subsp. *aerata* (Gerber and Lechevalier 1964) Miyadoh et al. 1991

Ac-1506 <-- Seino A., KCC A-0111. (ATCC 27099; CBS 836.70; DSM 43840; IFO 14047; JCM 3111; KCTC 9333). Received as: *Microbispora thermorosea*. Synonym: *Microbispora thermorosea* Nonomura and Ohara 1969 Type. Ex: soil. (Medium 206, 50°C, F-1, C-1) (857, 1366)

Ac-1507 Type <-- DSM, DSM 43176. (ATCC 15448; BCRC 11655; DSM 43176; IFO 12581, 14624; JCM 3076; NRRL B-2632). Received as: *Microbispora aerata*. Synonym: *Microbispora aerata* (Gerber and Lechevalier 1964) Cross 1974 Type, "*Waksmania aerata*" Gerber and Lechevalier 1964 Type. Ex: soil, France. (Medium 205, 37°C, F-1, C-1) (857, 1366)

***Microbispora rosea*** subsp. *rosea* Nonomura and Ohara 1957

Ac-634 Type <-- INMI, VKM A-634 <-- RIA, RIA 763. (RIA 477, 763; ATCC 12950; CBS 189.57, 307.61; DSM 43839; IFO 3559, 14044; JCM 3006; NCIMB 9560; NRRL B-2632). Ex: garden soil, Japan, Jamanashi Prefecture. (Medium 205, 28°C, F-1, C-1) (857, 1036)

Ac-677 <-- INMI, VKM A-677 <-- CBS, CBS 303.61. (VKM Ac-635; RIA 760; CBS 303.61; DSM 43164; JCM 3021; NRRL B-2637). Received as: *Microbispora amethystogenes*. Synonym: *Microbispora amethystogenes* Nonomura and Ohara 1960 Type. Ex: soil. (Medium 190, 28°C, F-1, C-1) (857, 1036, 1357)

***Micrococcus luteus*** (Schroeter 1872) Cohn 1872 emend. Wieser et al. 2002

Ac-2228 <-- VKM, VKM B-109 <-- INMI, VKM B-109 <-- TI, 2665. Former name: "*Micrococcus lysodeikticus*" Fleming 1922. (Medium j5, 30°C, F-1, C-1, F-3) (1293, 1527, 1566)

Ac-2229 <-- VKM, VKM B-110 <-- INMI, VKM B-110 <-- Shaforostova L.I. INMI. Former name: "*Sarcina lutea*" (Schroeter 1872) Schroeter 1886. (Medium 5, 30°C, F-1, C-1, F-3) (1566)

Ac-2230 Type <-- VKM, VKM B-1314 <-- INMI VKM B-1314 <-- CCM, CCM 169. (VKM B-1813; ATCC 4698, 15307; BCRC 11034; CCM 169; CCUG 5858; CIP A270; DSM 20030; IAM 1056; IFO 3333; JCM 1464; NCIMB 9278; NCFB 947; NCTC 2665; NRRL B-287). Former name: "*Micrococcus lysodeikticus*" Fleming 1922. (Medium 5, 30°C, F-1, C-1, F-3) (347, 957, 1366, 1689)

Ac-2231 <-- VKM, VKM B-486 <-- INMI, VKM B-486. Former name: "*Sarcina lutea*" (Schroeter 1872) Schroeter 1886. (Medium 5, 30°C, F-1, C-1, F-3) (1527)

Ac-2232 <-- VKM, VKM B-1045 <-- INMI, VKM B-1045 <-- VNIISHM, 5. Former name: "*Micrococcus polychromus*" Makarova and Krassilnikov 1949. (Medium 5, 30°C, F-1, C-1, F-3) (1527)

Ac-2233 <-- VKM, VKM B-1814 <-- IMG, CCM 331 <-- Kocur M. CCM, CCM 331. (ATCC 14408; CCM 331). Former name: "*Sarcina pelagia*". Ex: sea water. (Medium 5, 28°C, F-1, C-1, F-3)

Ac-2234 <-- VKM, VKM B-1843 <-- IMG, CCM 144 <-- Kocur M. CCM, CCM 144. (ATCC 11880; CCM 144; CIP 55.98; NCIMB 8854; NRRL B-3190;). Ex: fresh-water lake. (Medium 5, 30°C, F-1, C-1, F-3)

Ac-2235 <-- VKM, VKM B-1845 <-- IMG, CCM 1335 <-- Kocur M. CCM, CCM 1335. (CCM 1335). Former name: "*Micrococcus lysodeikticus*". (Medium 5, 30°C, F-1, C-1, F-3)

Ac-2236 <-- VKM, VKM B-1844 <-- IMG, CCM 1048 <-- Kocur M. CCM, CCM 1048. (ATCC 7468; CCM 1048; BCRC 11544; DSM 1605; IFO 12992; NCIMB 8942; NRRL B-2619; PCI 1009). Former name: "*Sarcina subflava*". (Medium 56, 30°C, F-1, C-1, F-3)

Ac-2237 <-- VKM, VKM B-1846 <-- IMG, CCM 2494 <-- Kocur M. CCM, CCM 2494. (ATCC 10773; CCM 2994). Former name: "*Sarcina lutea*". (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2238 <-- VKM, VKM B-1854 <-- IMG, CCM 247 <-- Kocur M. CCM, CCM 247. (CCM 247;

CIP 82.56; NCTC 7011). Former name: "*Staphylococcus flavocyaneus*". (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2239 <-- VKM, VKM B-1855 <-- IMG, CCM 559 <-- Kocur M. CCM, CCM 559. ATCC 381; CCM 559). Former name: "*Sarcina lutea*". Ex: water. (Medium 166, 30°C, F-1, C-1, F-3)

***Micrococcus lylae*** Kloos et al. 1974 emend. Wieser et al. 2002

Ac-2240 Type <-- VKM, VKM B-1815 <-- IMG, CCM 2693 <-- Kocur M. CCM, CCM 2693. (ATCC 27566; BCRC 12151; CCM 2693; CIP 81.70; DSM 20315; IFO 15355; JCM 11572; LMG 14218; NCTC 11037). Ex: human skin. (Medium 166, 30°C, F-1, C-1, F-3) (1366)

Ac-2241 <-- VKM, VKM B-1816 <-- IMG, CCM 2694 <-- Kocur M. CCM, CCM 2694. (ATCC 27568; CCM 2694; CIP 82.59; LMG 14219). Ex: human skin. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2242 <-- VKM, VKM B-1817 <-- IMG, CCM 2695 <-- Kocur M. CCM, CCM 2695. (CCM 2695). Ex: human skin. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2243 <-- VKM, VKM B-1880 <-- IMG, CCM 2696 <-- Kocur M. CCM, CCM 2696. (CCM 2696). Ex: human skin. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2244 <-- VKM, VKM B-1881 <-- IMG, CCM RM 324 <-- Kocur M. CCM, RM 324. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2245 <-- VKM, VKM B-1882 <-- IMG, CCM TW 226 <-- Kocur M. CCM, TW 226. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2246 <-- VKM, VKM B-1883 <-- IMG, CCM MK 312 <-- Kocur M. CCM, MK 312. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2247 <-- VKM, VKM B-1884 <-- IMG, CCM SL 166 <-- Kocur M. CCM, SL 166. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2248 <-- VKM, VKM B-1885 <-- IMG, CCM KHJ 12 <-- Kocur M. CCM, KHJ 12. (Medium 166, 30°C, F-1, C-1, F-3)

Ac-2249 <-- VKM, VKM B-1886 <-- IMG, CCM RWH 11 <-- Kocur M. CCM, RWH 11. (Medium 166, 30°C, F-1, C-1, F-3)

***Micrococcus*** sp.

Ac-2250 <-- VKM, VKM B-286 <-- INMI, VKM B-286 <-- Mishustina I.E. INMI, 29a. Former name: "*Micrococcus luteolus*" Henrici 1894. Ex: mud, station SP-3, Central Arctic, Arctic Ocean, depth 3450 m, 88 04'0"N.lat., 151 16'0"W.long. (Medium 68, 30°C, F-1, C-1, F-3) (1367)

***Micrococcus*** sp.

Ac-2251 <-- VKM, VKM B-287 <-- INMI, VKM B-287 <-- Mishustina I.E. INMI, 2297. Former name: "*Micrococcus luteolus*" Henrici 1894. Ex: sea water, station 256, Indian Ocean, depth 173 m, 42 54'0"S.lat., 20 06'7"E.long. (Medium 68, 30°C, F-1, C-1, F-3) (1367)

***Micrococcus*** sp.

Ac-2252 <-- VKM, VKM B-288 <-- INMI, VKM B-288 <-- Mishustina I.E. INMI, 2341. Former name: "*Micrococcus luteolus*" Henrici 1894. Ex: sea water, station 260, Indian Ocean, depth 438 m, 36 18'9"S.lat., 19 36'9"E.long. (Medium 68, 30°C, F-1, C-1, F-3) (1367)

***Micrococcus*** sp.

Ac-2253 <-- VKM, VKM B-295 <-- INMI, VKM B-295 <-- Mishustina I.E. INMI, 510. Former name: "*Micrococcus ochraceus*" Rosenthal 1893. Ex: sea water, station SP-3, Central Arctic Continent, Arctic Ocean, depth 0 m, 85 53'0"N.lat., 27 30'0"W.long. (Medium 68, 30°C, F-1, C-1, F-3) (1367)

***Micrococcus*** sp.

Ac-2254 <-- VKM, VKM B-298 <-- INMI, VKM B-298 <-- Mishustina I.E. INMI, 1308. Former

name: "*Micrococcus ochraceus*" Rosenthal 1893. Ex: sea water, station 32, Greenland Sea, depth 150 m, 79 58'0"N.lat., 06 53'0"W. long. (Medium 68, 30°C, F-1, C-1, F-3) (1367)

***Micrococcus* sp.**

Ac-2255 <-- VKM, VKM B-1234 <-- INMI, VKM B-1234 <-- CCM, CCM 810. (ATCC 398; CCM 810; NCIMB 8165; NCTC 8512). Former name: *Micrococcus luteus*. (Medium 166, 30°C, F-1, C-1, F-3)

***Microlunatus phosphovorius* Nakamura et al. 1995**

Ac-1990 Type <-- JCM, JCM 9379. (ATCC 700054; CIP 104466; DSM 10555; FERM P-9771; JCM 9379; LMG 18116; NCIMB 13414). Ex: activated sludge. (Medium 227, 25°C, F-1) (3315)

***Micromonospora aurantiaca* Sveshnikova et al. 1969**

Ac-1936 Type <-- INA, INA 9442. (INA 9442; ATCC 27029; CBS 129.76; DSM 43813; IFO 16155; JCM 10878; NRRL B-16091). Ex: soil. (Medium 209, 28°C, F-1) (103, 165)

***Micromonospora chalcea* (Foulerton 1905) Orskov 1923**

Ac-822 Type <-- VNITIAF, LIA 0748 <-- INA, ATCC 12452. (RIA 1668; LIA 0748; ATCC 12452; CBS 269.62; DSM 43026; IFO 12135, 13503; IMET 8209; JCM 3031; NCIMB 12879; NRRL B-2344). (Medium 205, 28°C, F-1) (344, 1357)

***Micromonospora coerulea* Jensen 1932**

Ac-661 Type <-- INMI, VKM A-661 <-- RIA, RIA 1560. (ATCC 27008; DSM 43143; IFO 13504; JCM 3175). Ex: soil, the top of Mt.Haleakala, Maui Island, Hawaii. (Medium 212, 28°C, F-1, C-1) (344, 1357)

***Micromonospora echinospora* Luedemann and Brodsky 1964 emend. Kasai et al. 2000**

Ac-669 Type <-- INMI, VKM A-669 <-- RIA, RIA 951. (RIA 951; ATCC 15837; CBS 619.66, 645.71; DSM 43816; IFO 12574, 13149; JCM 3073; NRRL 2985). Ex: soil, Jamesville, USA, New York. (Medium 209, 37°C, F-1, C-1) (1357, 2050)

***Micromonospora matsumotoense* (Asano et al. 1989) Lee et al. 2000**

Ac-2009 Type <-- JCM, JCM 9104. (ATCC 49364; CIP 106812; DSM 44100; IFO 14550; JCM 9104; NRRL B-16490). Received as: *Catellatospora matsumotoense*. Synonym: *Catellatospora matsumotoense* Asano et al. 1989 Type. Ex: soil, Japan, Nagano Pref., Matsumoto. (Medium 184, 28°C, F-1) (3306)

***Micromonospora olivasterospora* Kawamoto et al. 1983**

Ac-1317 Type <-- INA, ATCC 21819. (ATCC 21819; DSM 43868; IFO 14304; IMET 8310; JCM 7348; NRRL B-8178). Ex: soil, Japan, Hiroshima Prefecture. (Medium 205, 28°C, F-1, C-1) (1025, 1357, 3367)

***Micromonospora purpureochromogenes* (Waksman and Curtis 1916) Luedemann 1971**

Ac-614 <-- INMI, VKM A-614 <-- LIA, LIA 0744. (INA 472; IFO 14069; JCM 3233). Received as: *Micromonospora brunnea*. Synonym: *Micromonospora brunnea* Sveshnikova et al. 1969. Ex: soil. (Medium 217, 28°C, F-1, F-5) (103, 1357)

Ac-808 <-- RIA, RIA 472 <-- CBS, CBS 253.48. (RIA 472; ATCC 10026; CBS 253.48; DSM 43295; IFO 12396; IMET 8016; JCM 3050; NCIMB 12734, 12885). Received as: "*Micromonospora fusca*" Jensen 1932. Ex: lake mud. (Medium 217, 28°C, F-1, C-1) (813)

Ac-937 Type <-- INA, ATCC 27007. (ATCC 27007, 27334; CBS 326.71; DSM 43821; IFM 1279; IFO 13324; IMET 8213; IMRU 3343; JCM 3156; NCIMB 12661; NRRL B-2101, B-16094). Synonym: "*Streptomyces purpureochromogenes*" (Waksman and Curtis 1916) Waksman and Henrici 1957. Ex: adobe soil, USA, California. (Medium 217, 28°C, F-1, C-1) (343, 1357)

Ac-1326 <-- INA, INA 166. (INA 166; ATCC 27334; CBS 130.76; DSM 43814; IFO 14069; JCM 10141; NRRL B-16079). Synonym: *Micromonospora brunnea* Sveshnikova et al. 1969  
Type. Ex: soil. (Medium 217, 28°C, F-1, F-5) (103, 1357)

***Micromonospora* sp.**

Ac-1082 <-- INA, INA 188. Received as: "*Micromonospora fulvopurpurea*" Sveshnikova et al. 1969  
Type. Ex: soil. (Medium 213, 28°C, F-1, C-1) (103)

***Micromonospora* sp.**

Ac-1702 <-- RIA, RIA 1609. (ATCC 35853; DSM 1043; IFO 14111; JCM 3182; NCIMB 12883; NRRL B-3800). Received as: "*Micromonospora grisea*" Weinstein et al. 1975. Ex: soil, Maple Hill Top, Topeka, USA, Kansas. (Medium 207, 28°C, F-1) (3356)

***Microtetraspora fusca* Thiemann et al. 1968**

Ac-662 Type <-- INMI, VKM A-662 <-- RIA, RIA 924 <-- Thiemann J.E., T 457. (RIA 924; ATCC 23058; DSM 43841; IFO 13915; IMET 9531; JCM 3183; NRRL B-3628). Ex: soil, rubber plantation, Thailand. (Medium 183, 28°C, F-1, C-1) (510, 780)

***Microtetraspora glauca* Thiemann et al. 1968**

Ac-663 Type <-- INMI, VKM A-663 <-- RIA, RIA 925 <-- Thiemann J.E., T 158. (RIA 925; ATCC 23057; CBS 624.67; DSM 43311; IFO 14761; JCM 3300; NCIMB 13268; NRRL B-3735).  
Ex: soil from the vicinity of carrot roots at Appiano Gentile, Italy, Como. (Medium 183, 28°C, F-1, C-1) (510, 780)

***Microvirgula aerodenitrificans* Patureau et al. 1998 emend. Cleenwerck et al. 2003**

B-1401 <-- INMI, VKM B-1401 <-- DSM, DSM 736. (ATCC 27510; DSM 736; CCUG 13793; IFO (now NBRC) 15328; JCM 21425; LMG 4329). Received as: *Aquaspirillum dispar*.  
Synonym: *Aquaspirillum dispar* Hylemon et al. 1973 Type. Ex: fresh water. (Medium 88, 28°C, F-1, C-1, F-3)

***Mycobacterium fortuitum* subsp. *fortuitum* da Costa Cruz 1938**

Ac-1238 <-- Institute of tuberculosis, Moscow, 389 <-- NCTC. (Medium 64, 30°C, F-1)

***Mycobacterium moriokaense* Tsukamura et al. 1986**

Ac-1183 Type <-- Tsukamura M., E 11715. (ATCC 43059; CCUG 37671; CIP 105393; DSM 44221; JCM 6375). Ex: soil, Japan. (Medium 183, 28°C, F-1, C-1) (809)

***Mycobacterium phlei* Lehmann and Neumann 1899**

Ac-1291 Type <-- DSM, DSM 43239. (ATCC 11758; CCUG 21000; CIP 105389; DSM 43239; JCM 5865; NCTC 8151). (Medium 183, 37°C, F-1, C-1) (852, 2093, 3001)

***Mycobacterium smegmatis* (Trevisan 1889) Lehmann and Neumann 1899**

Ac-1171 <-- INMI, VKM B-1205 <-- IBPM, B-275 <-- CCM, CCM 2067. (ATCC 362; NCIMB 8548). (Medium 64, 28°C, F-1, C-1) (667, 1768, 2093, 2131, 2277, 2430, 3001)

Ac-1239 Type <-- Institute of tuberculosis, Moscow, NCTC 8159. (ATCC 19420; DSM 43756; JCM 5866; NCTC 8159; NRRL B-14616). (Medium 64, 37°C, F-1) (667, 2277, 2430, 3001)

***Mycobacterium* sp.**

Ac-1168 <-- INMI B-856 <-- KM MGU, B4b. Received as: "*Mycobacterium flavum* var. *methanicum*" Netchaeva 1948. Ex: stratum waters of gas field, USSR. (Medium 64, 28°C, F-1) (96, 653)

***Mycoplana bullata* Gray and Thornton 1928 emend. Urakami et al. 1990**

Ac-910 Type <-- ATCC, ATCC 4268. (RIA 1948; ATCC 4278; DSM 7126; IFO 13290; LMG 17157;

NRRL B-1090, B-8016). Ex: soil, U.K., Rotamsted. (Medium 8, 28°C, F-1) (292, 1266)

***Mycoplana dimorpha*** Gray and Thornton 1928 emend. Urakami et al. 1990

Ac-911 Type <-- ATCC, ATCC 4279. (RIA 1949; ATCC 4279; DSM 7138; IFO 13291; LMG 4061; NCIMB 9439; NRRL B- 1091). Ex: soil, U.K., Rotamsted. (Medium 8, 28°C, F-1) (292, 1266)

***Natronobacterium gregoryi*** Tindall et al. 1984

B-1750 Type <-- Tindall B. DSM, DSM 3393. (ATCC 43098; DSM 3393; NCMB 2189; NCIMB 2189; Tindall B., SP2). Ex: Magadi Lake. (Medium 188, 37°C, S-5, S-4)

***Natronococcus occultus*** Tindall et al. 1984

B-1738 <-- Zvyagintseva I.S. INMI, 3. Ex: saline alkaline soil. (Medium 188, 40°C, S-5, S-4)

B-1752 Type <-- Tindall B.J, DSM, DSM 3396 <-- Ross H.N.M., SP4. (ATCC 43101; DSM 3396; CCM 3871; NCMB 2192; NCIMB 2192). Ex: Magadi Lake. (Medium 188, 37°C, S-5, S-4)

***Natronomonas pharaonis*** (Soliman and Trüper 1983) Kamekura et al. 1997

B-1737 <-- Zvyagintseva I.S. INMI, 12. Received as: *Halobacterium pharaonis*. Synonym: *Halobacterium pharaonis* Soliman and Truper 1983, *Natronobacterium pharaonis* (Soliman and Trüper 1983) Tindall *et al.* 1984. Ex: saline alkaline soil. (Medium 195, 40°C, S-5, S-4)

B-1749 Type <-- DSM, DSM 2160 <-- Truper H., Gabara. (ATCC 35678; CIP 103997; DSM 2160; IFO (now NBRC) 14720; JCM 8858; NCIMB 2260). Received as: *Halobacterium pharaonis*. Synonym: *Halobacterium pharaonis* Soliman and Truper 1983 Type, *Natronobacterium pharaonis* (Soliman and Trüper 1983) Tindall *et al.* 1984 Type. Ex: water sample from Wadi Natrum, Egypt. (Medium 188, 37°C, S-5)

***Nesterenkonia halobia*** (Onishi and Kamekura 1972) Stackebrandt et al. 1995

Ac-2256 Type <-- VKM, VKM B-1317 <-- INMI, VKM B-1317 <-- CCM, CCM 2591. (VKM B-1421; ATCC 21727; BCRC 11656; CCM 2591; CCUG 38889; CIP 81.68; DSM 20541; IFO 15353; JCM 11483; NCIMB 2204). Received as: *Micrococcus halobius*. Synonym: *Micrococcus halobius* Onishi and Kamekura 1972 Type. Ex: uncleaned salt. (Medium 168, 30°C, F-1, C-1, F-3) (1366, 1525, 1706, 1710)

***Nocardia brasiliensis*** (Lindenberg 1909) Pinoy 1913

Ac-863 Type <-- DSM, DSM 43758. (ATCC 19296; CCUG 10098; CIP 104502; DSM 43758; IFO 14402; JCM 3374; NCIMB 12083; NCTC 11294). (Medium 183, 37°C, F-1, C-1) (700, 945)

Ac-864 <-- DSM, DSM 43009. (DSM 43009). (Medium 183, 37°C, F-1, C-1) (945)

Ac-1075 <-- RIA, RIA 440 <-- Gordon R.E., IMRU 744. (RIA 440; ATCC 19295; CCM 165; DSM 43064; IMET 7138; IMRU 744). (Medium 183, 28°C, F-1, C-1) (945)

***Nocardia brevicatena*** (Lechevalier et al. 1961) Goodfellow and Pirouz 1982

Ac-936 Type <-- DSM, DSM 43024. (ATCC 15333; BCRC 13389; CIP 104508; DSM 43024; IFM 0283; IFO 12119; IMET 9542; IMRU 1086W; JCM 3029; NRRL B-2896). Synonym: *Micropolyspora brevicatena* Lechevalier et al. 1961 Type. Ex: sputum of patient with tuberculosis. (Medium 190, 37°C, F-1, C-1) (788, 855, 1357, 2723)

***Nocardia carnea*** (Rossi-Doria 1891) Castellani and Chalmers 1913

Ac-814 Type <-- ATCC, ATCC 6847. (ATCC 6847; BCRC 13693; CCM 2756; CIP 104509; DSM 43397; IFM 0237; IFO 14403; IMET 7504; JCM 3375; NCTC 3527; NRRL B-1336, NRRL WC-3809). (Medium 184, 28°C, F-1, C-1) (519, 945, 1357)

***Nocardia nova*** Tsukamura 1983

Ac-1971 Type <-- JCM, JCM 6044. (ATCC 33726; BCRC 13746; CIP 104777; DSM 44481; IFM 0290; IFO 15556; JCM 6044). (Medium 184, 28°C, F-1) (3316, 3317)

***Nocardia otitidiscaviarum*** Snijders 1924

Ac-869 Type <-- DSM, DSM 43242. (ATCC 14629; CBS 262.39; CCM 2779; CIP 104514; DSM 43242; IFM 0239; IFO 14405; JCM 3377, 3393; NCIMB 12084; NCTC 1934 ). Synonym: "*Actinomyces caviae*" Erikson 1935, "*Nocardia caviae*" (Erikson 1935) Erikson 1935. Ex: infected middle ear of guinea pig. (Medium 183, 28°C, F-1, C-1) (292, 700, 783)

***Nocardia seriola*** Kudo et al. 1988

Ac-1967 Type <-- JCM, JCM 3360. (ATCC 43993; BCRC 13745; CIP 104778; DSM 44129; IFO 15557; JCM 3360; NCIMB 13256). Former name: "*Nocardia kampachi*". Ex: spleen of cultured yellowtail, *Seriola quinqueradiata*, Japan, Nagasaki Pref. (Medium 184, 26°C, F-1) (3318)

***Nocardia*** sp.

Ac-1079 <-- Nesterenko O.A. IMV, IAM 0501 <-- Jamasato K., IAM 0501. (BCRC 11086; CIP 104825; DSM 43843; IAM 0501; JCM 3288; NRRL B-16175). Received as: "*Nocardia pseudosporangifera*" Seto and Izuka 1970 Type. Ex: soil, Nishiyama oil feald, Niigata Pref. Japan. (Medium 190, 28°C, F-1, C-1) (755, 945)

***Nocardia transvalensis*** Pijper and Pullinger 1927

Ac-867 Type <-- ATCC, ATCC 6865. (ATCC 6865; CCM 2776; CIP 104841; DSM 43405; IFM 0333; IFO 15921; IMET 7500; JCM 9099; NCTC 2392; NRRL B-16037). Synonyms: "*Actinomyces transvalensis*" Pijper and Pullinger 1927, "*Proactinomyces transvalensis*" (Pijper and Pullinger 1927) Krasil'nikov 1941. Ex: mycetoma pedis. (Medium 210, 37°C, F-1, C-1) (292, 519, 945)

***Nocardia vaccinii*** Demaree and Smith 1952

Ac-856 Type <-- ATCC, ATCC 11092. (VKM Ac-1336; ATCC 11092; BCRC 13695; CBS 247.55; CCM 2757; CIP 104899; DSM 43285; IMET 7503; JCM 3395; NBRC 15922; NRRL WC-3500). Ex: stem galls on blueberry *Vaccinium australe* and *Vaccinium ashei*. (Medium 183, 28°C, F-1, C-1) (602, 1357, 1375)

Ac-1051 <-- Agre N.S. IBPM, 2P <-- Pariyskaya A.N. IBPM, 2. Ex: black alder, *Alnus glutinosa*, root nodules, Puschino, Moscow Region. (Medium 190, 28°C, F-1, C-1) (616, 1375)

Ac-1052 <-- Agre N.S. IBPM, 5P <-- Pariyskaya A.N. IBPM, 5. Received as: *Nocardia* sp. Ex: black alder, *Alnus glutinosa*, rhizosphere, Puschino, Moscow Region. (Medium 190, 28°C, F-1, C-1) (1375)

Ac-1053 <-- Agre N.S. IBPM, 8P <-- Pariyskaya A.N. IBPM, 8. Received as: *Nocardia* sp. Ex: black alder, *Alnus glutinosa*, root nodules, Puschino, Moscow Region. (Medium 190, 28°C, F-1) (1375)

Ac-1054 <-- Agre N.S., IBPM 17P <-- Pariyskaya A.N. IBPM, 17. Received as: *Nocardia* sp. Ex: black alder, *Alnus glutinosa*, root nodules, Puschino, Moscow Region. (Medium 190, 28°C, F-1) (1375)

Ac-1055 <-- Agre N.S. IBPM, 46P <-- Pariyskaya A.N. IBPM, 46. Ex: wax-myrtle, *Myrica cerifera*, root nodules, USSR. (Medium 190, 28°C, F-1) (1375)

Ac-1056 <-- Agre N.S. IBPM, 48P <-- Pariyskaya A.N. IBPM, 48. Ex: bearded alder, *Alnus barbata*, root nodules, USSR. (Medium 190, 28°C, F-1) (1375)

Ac-1057 <-- Agre N.S. IBPM, 49P <-- Pariyskaya A.N. IBPM, 49. Ex: bearded alder, *Alnus barbata*, root nodules, USSR. (Medium 190, 28°C, F-1) (1375)

Ac-1058 <-- Agre N.S. IBPM, 53P <-- Pariyskaya A.N. IBPM, 53. Ex: wax-myrtle, *Myrica cerifera*, root nodules, USSR. (Medium 190, 28°C, F-1, C-4) (1375)

Ac-1059 <-- Agre N.S. IBPM, 54P <-- Pariyskaya A.N. IBPM, 54. Ex: wax-myrtle, *Myrica cerifera*,

root nodules, USSR. (Medium 190, 28°C, F-1) (1375)  
Ac-1060 <-- Agre N.S. IBPM, 30P <-- Pariyskaya A.N. IBPM, 30. Received as: *Nocardia* sp. Ex: *Elaeagnus pungens*, root nodules, Puschino, Moscow Region. (Medium 190, 28°C, F-1, C-1) (1375)

***Nocardioides albus*** Prauser 1976

Ac-565 <-- INMI, VKM A-565 <-- Krassilnikov N.A., C-1. Received as: "*Proactinomyces farineus*" Krassilnikov 1970. Ex: soil, USSR. (Medium 8, 28°C, F-1) (1145, 1361)  
Ac-566 <-- INMI, VKM A-566 <-- Krassilnikov N.A., C-2. Received as: "*Proactinomyces farineus*" Krassilnikov 1970. Ex: soil. (Medium 8, 28°C, F-1) (1145, 1361)  
Ac-569 <-- INMI, VKM A-569 <-- Krassilnikov N.A., Y. Received as: "*Proactinomyces farineus*" Krassilnikov 1970. Ex: mountain soil, Pamirs, Tadzhikistan. (Medium 8, 28°C, F-1) (130, 1145)  
Ac-805 Type <-- IMET, IMET 7807. (VKM Ac-682; ATCC 27980; CCM 2712; CIP 103451; DSM 43109; IFO 13917; IMET 7807; JCM 3185; LMG 16326; NCIMB 11454; NRRL B- 5389). Ex: soil, lavender field, Tihany, Hungary. (Medium 8, 28°C, F-1) (292, 358, 945, 1145, 1357, 2572)  
Ac-806 <-- IMET, IMET 7835. (ATCC 43083; DSM 43874; IMET 7835). Ex: chernozem soil, Schwellenberg hill, Germany, Erfurt. (Medium 8, 28°C, F-1)

***Nocardioides aquaticus*** Lawson et al. 2000

Ac-2523 Type <-- DSM, DSM 11439. (ATCC BAA-164, CIP 106993; DSM 11439; JCM 11266; NBRC 100371; NCIMB 703076). Ex: water sample, Antarctica, Ekho lake. (Medium DSM [621a+40 ASW], 20°C, F-1)

***Nocardioides jensenii*** (Suzuki and Komagata 1983) Collins et al. 1989

Ac-1878 Type <-- JCM, JCM 1364. (ATCC 49810; CCUG 37988; CIP 102404; DSM 20641; IAM 12581; IFO 14755; IMET 10678; JCM 1364; LMG 16325; NCIMB 9770). Synonym: *Pimelobacter jensenii* Suzuki and Komagata 1983 Type. Ex: soil. (Medium 166, 28°C, F-1) (689, 2572)

***Nocardioides luteus*** Prauser 1985

Ac-1246 Type <-- Prauser H., IMET 7830. (ATCC 43052; CCUG 37986; CIP 103450; DSM 43366, 43811; IFO 14491; IMET 7830; JCM 3358; KCTC 9575; LMG 16209; NCIMB 11455). Ex: park soil, Sudan. (Medium 8, 28°C, F-1) (1145, 2728, 2739)  
Ac-2525 <-- DSM, DSM 46114. (DSM 46114; IFO 14396; IMET 7844; JCM 3334; LMG 16160; NRRL B-16231). Former name: "*Nocardioides flavus*". Ex: mud, China. (Medium 205, 28°C, F-1)

***Nocardioides plantarum*** Collins et al. 1994

Ac-1998 Type <-- JCM, JCM 9626. (ATCC 51889; CIP 104157; DSM 11054; JCM 9626; LMG 16210; NCIMB 12834). Ex: herbage. (Medium 184, 28°C, F-1) (3319)

***Nocardioides simplex*** (Jensen 1934) O'Donnell et al. 1983

Ac-1118 Type <-- INMI, VKM B-667 <-- NCIMB, NCIB 8913. (VKM Ac-925; ATCC 6946; BCRC 10381; CCM 1652; CDA 835; DSM 20130; IAM 1660; IFO 12069; JCM 1363; LMG 16261; NCIMB 8929; NCTC 4215 ). Received as: *Arthrobacter simplex*. Synonym: *Pimelobacter simplex* (Jensen 1934) Suzuki and Komagata 1983 Type, *Arthrobacter simplex* (Jensen 1934) Lochhead 1957 Type, "*Corynebacterium simplex*" Jensen 1934. Ex: rice soil. (Medium 64, 28°C, F-1, C-1) (292, 597, 689, 945, 1209, 2541, 2547, 2548, 2551, 2560, 2561, 2562, 2563, 2565, 2569, 2570, 2583, 2725)

***Nocardioides*** sp.

Ac-2524 <-- DSM, DSM 12746. (DSM 12746). Ex: soil contaminated with nitroaromatic compounds,

Germany. (Medium 166, 28°C, F-1)

*Nocardioides* sp.

Ac-2526 <-- DSM, DSM 46115. (DSM 46115; IFO 14398; IMET 7846; JCM 3335; NRRL B-16233).  
Former name: "*Nocardioides fulvus*". Ex: soil. (Medium 190, 28°C, F-1)

*Nocardiosis alba* Grund and Kroppenstedt 1990

Ac-1879 <-- DSM, DSM 43120. (Medium 184, 28 C, F-1)

Ac-1883 Type <-- DSM, DSM 43377. (CDC W2536; DSM 43377; IFO 15097; JCM 9419; KCTC 9616). Ex: drainage from hip. (Medium 184, 28 C, F-1) (802, 833, 2936)

Ac-1884 <-- DSM, DSM 43378. (Medium 184, 28 C, F-1)

*Nocardiosis composta* Kampfer et al. 2002

Ac-2520 <-- DSM, DSM 44550. (DSM 44550). Ex: atmosphere of a composting facility, Germany. (Medium 166, 28 C, F-1)

Ac-2521 Type <-- DSM, DSM 44551. (DSM 44551; JCM 11768; NBRC 100345; NRRL B-24145).  
Ex: atmosphere of a composting facility, Germany. (Medium 166, 28 C, F-1)

*Nocardiosis dassonvillei* subsp. *albirubida* (Grund and Kroppenstedt 1990) Evtushenko et al. 2000

Ac-1882 Type <-- DSM, DSM 40465. (ISP 5465; VKM Ac-1885; INA 6476/62, RIA 1353, ATCC 23612; CBS 693.72; CIP 106424; DSM 40465; IFO 13392; JCM 4717). Synonym:

*Nocardiosis alborubida* Grund and Kroppenstedt 1990 Type. Former name: "*Streptomyces alborubidus*" (Kudrina 1957) Pridham et al. 1958 Neotype, "*Actinomyces alborubidus*" Kudrina 1957 (Medium 205, 28 C, F-1) (833, 2936)

*Nocardiosis dassonvillei* subsp. *dassonvillei* (Brocq-Rousseau 1904) Meyer 1976

Ac-773 <-- INA, IMRU 1250 <-- Lechevalier M., IMRU 1250. (ATCC 23219; DSM 43235; IMRU 1250; NCTC 10489). Synonym: "*Actinomadura dassonvillei*" (Brocq-Rousseau 1904) Lechevalier and Lechevalier 1970, "*Nocardia dassonvillei*" (Brocq-Rousseau 1904) Liegard and Landrien 1911. (Medium 190, 37 C, F-1, C-1) (849, 1357, 2042)

Ac-797 Type <-- INA, UMRU 509 <-- Lechevalier M., IMRU 509. (ATCC 23218; CCM 2713; CIP 107115; DSM 43111; IFM 0212; IFO 14626; IMET 9605; IMRU 509; JCM 7437; NCTC 10488; NRRL B-5397). Former name: "*Actinomadura dassonvillei*" (Brocq-Rousseau 1904) Lechevalier and Lechevalier 1970 Type, "*Nocardia dassonvillei*" (Brocq-Rousseau 1904) Liegard and Landrien 1911. (Medium 190, 28 C, F-1, C-1) (802, 833, 849, 1357, 2038, 2936)

Ac-836 <-- Kuznetsov V.D. INMI, K-4042 <-- Abyzov S.S. INMI, 25-145. (ATCC 43517; DSM 43884; IFO 14447; JCM 6843; NRRL B-16236). Received as: *Nocardiosis antarcticus*. Synonym: *Nocardiosis antarctica* Abyzov et al. 1984 Type. Ex: glacier, depth of 85m, age over 2000 years, central Antarctica. (Medium 212, 37 C, F-1, C-1) (62, 1357, 2042, 2166, 2726, 2936)

Ac-1209 Type <-- INA, INA 15719. (INA 15719; ATCC 43683; DSM 41473; IFO 15404; JCM 6920; NRRL B-16366). Received as: *Streptomyces flavidofuscus*. Synonym: *Streptomyces flavidofuscus* Preobrazhenskaya 1986 Type. Former name: "*Actinomyces flavidovirens*" subsp. "*fuscus*" Kudrina 1957. (Medium 205, 28°C, F-1, C-1) (810, 1364)

Ac-1455 <-- PIBCh, 11-365. Ex: rhizosphere of *Casuarina* sp., seashore, Seychelles. (Medium 64, 28 C, F-1)

Ac-1456 <-- PIBCh, 11-530. Ex: rhizosphere of *Casuarina* sp., seashore, Seychelles. (Medium 64, 28 C, F-1)

Ac-1458 <-- PIBCh, 11-657. Ex: rhizosphere of *Casuarina* sp., seashore, Seychelles. (Medium 64, 28 C, F-1)

Ac-1460 <-- PIBCh, 11-533. Ex: rhizosphere of *Casuarina* sp., seashore, Seychelles. (Medium 64, 28 C, F-1)

*Nocardiopsis halotolerans* Al-Zarban et al. 2002

Ac-2519 Type <-- DSM, DSM 44410. (DSM 44410; JCM 11760; NRRL B-24124). Ex: salt marsh soil in a desert area, Kuwait. (Medium 214+10% NaCl, 28 C, F-1)

*Nocardiopsis listeri* Grund and Kroppenstedt 1990

Ac-1881 Type <-- DSM, DSM 40297. (ISP 5297; RIA 1321; ATCC 27442; CBS 661.72; DSM 40297; IFO 13360; JCM 4782; NCTC 434). Former name: "*Streptomyces listeri*" (Erikson) Waksman and Henrici 1948. Ex: human clinical isolate. (Medium 184, 28 C, F-1) (833, 1360, 2936, 3173)

*Nocardiopsis metallicus* Schippers et al. 2002

Ac-2522 Type <-- DSM, DSM 44598. (DSM 44598; JCM 12409; NBRC 101841; NRRL B-24159). Ex: alkaline slag dump of metallurgical processing, Germany. (Medium 166, 28 C, F-1)

*Nocardiopsis prasina* (Miyashita et al. 1984) Yassin et al. 1997

Ac-1880 Type <-- DSM, DSM 43845. (ATCC 35940; DSM 43845; IFM 0264; IFO 14423; JCM 3336; NRRL B-16235). Synonym: *Nocardiopsis alba* subsp. *prasina* (Miyashita et al. 1984) Grund and Kroppenstedt 1990 Type, *Nocardiopsis dassonvillei* subsp. *prasina* Miyashita et al. 1984 Type. Ex: soil, Japan. (Medium 184, 28 C, F-1) (833, 2935, 2936).

*Nocardiopsis synnemataformans* Yassin et al. 1997

Ac-2518 Type <-- DSM, DSM 44143. (DSM 44143; JCM 10456; NBRC 102581). Ex: sputum of a 35 year old man with kidney transplantation. (Medium 184, 28 C, F-1)

*Nocardiopsis trehalosi* (ex Dollak et al. 1981) Evtushenko et al. 2000

Ac-942 Type <-- INA, IFO 14201. (CIP 106425; DSM 44380; IFO 14201; NRRL 12026). Received as: "*Nocardiopsis trehalosei*" Dollak et al. 1981. Ex: soil. (Medium 209, 28 C, F-1, C-1) (3173)

*Nocardiopsis tropica* Evtushenko et al. 2000

Ac-1457 Type <-- Evtushenko L.I., IBPM <-- PIBCh, 11-647. (CIP 106426; DSM 44381; JCM 10877). Ex: rhizosphere of *Casuarina* sp., seashore, Seychelles. (Medium 64, 28 C, F-1)

*Nonomuraea africana* (Preobrazhenskaya and Sveshnikova 1974) Zhang et al. 1998

Ac-924 Type <-- INA, INA 1839. (INA 1839; ATCC 35107; DSM 43748; IFO 14745; JCM 6240; NRRL B-16114). Received as: *Nocardiopsis africana*. Synonym: *Microtetraspora africana* (Preobrazhenskaya and Sveshnikova 1974) Kroppenstedt et al. 1991 Type, *Nocardiopsis africana* (Preobrazhenskaya and Sveshnikova 1974) Preobrazhenskaya and Sveshnikova 1985 Type, *Actinomadura africana* Preobrazhenskaya and Sveshnikova 1974 Type. Ex: soil. (Medium 205, 28°C, F-1, C-1) (114, 134, 780, 1036, 2728)

*Nonomuraea fastidiosa* (Soina et al. 1975) Zhang et al. 1998

Ac-804 Type <-- Agre N.S. IBPM, INMI 104. (ATCC 33516; DSM 43674; IFO 14680; JCM 3321; NRRL B-16979). Received as: *Actinomadura fastidiosa*. Synonym: *Microtetraspora fastidiosa* (Soina et al. 1975) Kroppenstedt et al. 1991 Type, *Actinomadura fastidiosa* Soina et al. 1975 Type. Ex: mud, hot spring, Uzbekistan, Yangy-Jul. (Medium 211, 37°C, F-1) (121, 718, 780, 1036, 1814)

*Nonomuraea ferruginea* (Meyer 1981) Zhang et al. 1998

Ac-854 Type <-- INA, IMET 9567. (ATCC 35575; CCM 3424; CIP 106925; DSM 43553; IFO14094; IMET 9567; JCM 3283; NCIMB 11630; NRRL B-16096). Received as: *Actinomadura ferruginea*. Synonym: *Microtetraspora ferruginea* (Meyer 1981) Kroppenstedt et al. 1991 Type, *Actinomadura ferruginea* Meyer 1981 Type. Ex: compost soil. (Medium 205, 28°C, F-1, C-1) (780, 930, 1036, 1814, 2442)

- Nonomuraea polychroma*** (Galatenko et al. 1987) Zhang et al. 1998  
Ac-1084 Type <-- INA, INA 2755. (ATCC 49500; DSM 43925; IFO 14345; IMET 9743; JCM 6834; NRRL B-16243). Received as: *Actinomadura polychroma*. Synonym: *Microtetraspora polychroma* (Galatenko et al. 1987) Kroppenstedt et al. 1991 Type, *Actinomadura polychroma* Galatenko et al. 1987 Type. Ex: soil, sierozem, Turkmenistan. (Medium 211, 28°C, F-1, C-1) (707, 780, 1030, 1036, 2040)
- Nonomuraea pusilla*** (Nonomura and Ohara 1971) Zhang et al. 1998  
Ac-1508 Type <-- INA, A-118. (ATCC 27296; BCRC 11619; CBS 262.72; CIP 106954; DSM 43357; IFO 14684; JCM 3144; IMET 9586; NCIMB 11116; NRRL B-16126). Synonym: *Microtetraspora pusilla* (Nonomura and Ohara 1971) Kroppenstedt et al. 1991 Type, *Actinomadura pusilla* Nonomura and Ohara 1971 Type. Ex: soil, Japan. (Medium 205, 37°C, F-1, C-1) (780, 1366)
- Nonomuraea recticatena*** (Terekhova et al. 1987) Zhang et al. 1998  
Ac-940 Type <-- INA, INA 308. (INA 308; DSM 43937; IFO 14525; JCM 6835). Received as: *Actinomadura recticatena*. Synonym: *Microtetraspora recticatena* (Terekhova et al. 1987) Kroppenstedt et al. 1991 Type, *Actinomadura recticatena* Terekhova et al. 1987 Type. Ex: soil, Turkmenistan. (Medium 209, 28°C, F-1, C-1) (4, 780, 1030, 1814)
- Nonomuraea roseola*** (Lavrova and Preobrazhenskaya 1975) Zhang et al. 1998  
Ac-1180 Type <-- INA, INA 1671. (INA 1671; ATCC 33579; DSM 43767; IFO 14685; JCM 3323). Received as: *Actinomadura roseola*. Synonym: *Microtetraspora roseola* (Lavrova and Preobrazhenskaya 1975) Kroppenstedt et al. 1991 Type, *Actinomadura roseola* Lavrova and Preobrazhenskaya 1975 Type. Ex: soil. (Medium 205, 28°C, F-1, C-1) (2, 780, 1036, 1814)
- Nonomuraea roseoviolacea* subsp. *carminata*** (Gauze et al. 1973) Gyobu and Miyadoh 2001  
Ac-1780 Type <-- INA, INA 4281. (INA 4281; DSM 44170; IFO 15903; JCM 9946). Received as: *Actinomadura carminata*. Synonym: *Actinomadura carminata* Gauze et al. 1973 Type. (Medium 205, 28°C, F-1) (3334)
- Nonomuraea roseoviolacea* subsp. *roseoviolacea*** (Nonomura and Ohara 1971) Zhang et al. 1998  
Ac-909 Type <-- INA, ATCC 27297. (ATCC 27297; CBS 260.72; CCM 3491; CIP 106924; DSM 43144; IFO 14098; IMET 9751; JCM 3145; NCIMB 11117; NRRL B-16127). Received as: *Actinomadura roseoviolacea*. Synonym: *Microtetraspora roseoviolacea* (Nonomura and Ohara 1971) Kroppenstedt et al. 1991 Type, *Actinomadura roseoviolacea* Nonomura and Ohara 1971 Type. Ex: soil, Japan. (Medium 205, 28°C, F-1) (465, 780, 1036, 1814)
- Nonomuraea rubra*** (Sveshnikova et al. 1969) Zhang et al. 1998  
Ac-615 Type <-- INMI, VKM A-615 <-- LIA, LIA 0743. (INA 325; ATCC 27031; CBS 132.76; CIP 107008; DSM 43768; IFO 14686; IMET 8181; JCM 3389, 3234; NRRL B-16083). Received as: "*Micromonospora rubra*". Synonym: *Microtetraspora rubra* (Sveshnikova et al. 1969) Kroppenstedt et al. 1991 Type, *Actinomadura rubra* (Sveshnikova et al. 1969) Meyer and Sveshnikova 1974 Type, "*Micromonospora rubra*" Sveshnikova et al. 1969 Type. Ex: soil. (Medium 211, 28°C, F-5, C-1) (103, 780, 1036, 1814)
- Nonomuraea salmonea*** (Preobrazhenskaya et al. 1975) Zhang et al. 1998  
Ac-913 Type <-- INA, INA 2488. (INA 2488; ATCC 33580; CIP 107009; DSM 43678; IFO 14687; IMET 9582; JCM 3324). Received as: *Actinomadura salmonea*. Synonym: *Microtetraspora salmonea* (Preobrazhenskaya et al. 1975) Kroppenstedt et al. 1991 Type, *Actinomadura salmonea* Preobrazhenskaya et al. 1975 Type. Ex: soil. (Medium 205, 28°C, F-1, C-1) (1, 780, 1036, 1814)

***Nonomuraea spiralis*** (Meyer 1981) Zhang et al. 1998

Ac-853 Type <-- INA, IMET 9621. (ATCC 35114; CCM 3426; CIP 106923; DSM 43555; IFO 14097; IMET 9621; JCM 3286; NCIMB 11633; NRRL B-16098). Received as: *Actinomadura spiralis*. Synonym: *Microtetraspora spiralis* (Meyer 1981) Kroppenstedt et al. 1991 Type, *Actinomadura spiralis* Meyer 1981 Type. Ex: soil, Japan. (Medium 205, 28°C, F-1, C-1) (780, 930, 1036, 1814, 2442)

***Nonomuraea turkmeniaca*** (Terekhova et al. 1987) Zhang et al. 1998

Ac-852 Type <-- INA, INA 3344. (INA 3344; ATCC 49501; CIP 107010; DSM 43926; IFO 14348; IMET 9747; JCM 6836; NRRL B-16246). Received as: *Actinomadura turkmeniaca*. Synonym: *Microtetraspora turkmeniaca* (Terekhova et al. 1987) Kroppenstedt et al. 1991 Type, *Actinomadura turkmeniaca* Terekhova et al. 1987 Type. Ex: soil, sierozem, Turkmenistan. (Medium 205, 28°C, F-1, C-1) (3, 780, 1030, 1036, 1814)

***Novosphingobium capsulatum*** (Leifson 1962) Takeuchi et al. 2001

B-1564 Type <-- IBPM, IBPM B-189 <-- CCM, CCM 2832 <-- Leifson E., 28. (ATCC 14666; CCUG 17697, 31202; CIP 82.103; DSM 30196; GIFU 11526; HAMB1 103; IFO (now NBRC) 12533; JCM 7508; JCM 7452; LMG 2830). Received as: *Flavobacterium capsulatum*. Synonym: *Flavobacterium capsulatum* Leifson 1962 Type, *Sphingomonas capsulata* (Leifson 1962) Yabuuchi et al. 1990 Type. Ex: distilled water. (Medium 5, 26°C, F-1, S-5) (336, 1366)

***Novosphingobium resinovorum*** (Delaporte and Daste 1956) Lim et al. 2007

B-1172 Type <-- INMI, VKM B-1172 <-- NCIB, NCIB 8767. (ATCC 33545; DSM 7478; LMG 8367; NCIB 8767; NCIMB 8767). Received as: *Flavobacterium resinovorum*. Synonym: *Flavobacterium resinovorum* Delaporte and Daste 1956 Type, *Novosphingobium subarcticum* (Nohynek et al. 1996) Takeuchi et al. 2001, *Sphingomonas subarctica* Nohynek et al. 1996. (Medium 5, 30°C, F-1, S-5, S-4) (1366)

***Obesumbacterium proteus*** Shimwell 1963

B-964 Type <-- INMI, VKM B-964 <-- INA. (ATCC 12841; NCIB 8771; DSM 2777). Received as: "*Flavobacterium proteum*" (*sic*) Shimwell and Grimes 1936. Ex: lager and ale yeast. (Medium 5, 30°C, F-1, S-5, F-3) (1366)

***Oceanithermus profundus***. Miroshnichenko et al. 2003

B-2274 Type <-- Miroshnichenko M.L., INMI, 506 (506, DSM 14977, NBRC 100410). Ex: a deep-sea hydrothermal vent site at 13°N in the East Pacific Rise. (Medium 241, 60°C, S-2)

***Oceanospirillum linum*** (Williams and Rittenberg 1957) Hylemon et al. 1973

B-1416 Type <-- INMI, VKM B-1416 <-- ATCC, ATCC 11336. (ATCC 11336; CIP 103374; DSM 6292; IFO (now NBRC) 15448; LMG 5214). Synonym: "*Spirillum linum*" Williams and Rittenberg 1957. Ex: sea water. (Medium 5, 28°C, F-1, C-1, F-3) (1524,1733)

***Ochrobactrum anthropi*** Holmes 1988

B-606 <-- INMI, VKM B-606 <-- CCM, CCM 999. (ATCC 49188; CCUG 24695; CIP 82.115; DSM 6882; IFO (now NBRC) 15819; JCM 21032; LMG 3331; NCTC 12168). Received as: "*Xanthomonas arsenoxydans*". Ex: arsenical cattle-dip. (Medium 5, 28°C, F-1, C-1, F-3) (664, 940)

***Oerskovia enterophila*** (Jager et al. 1983) Stackebrandt et al. 2002

Ac-1046 <-- Marialigeti K., DFA 9. Synonym: *Promicromonospora enterophila* Jager et al. 1983. Ex: diplopoda, *Chromatoiulus projectus*, Hungary. (Medium 64, 28°C, F-1) (387)  
Ac-1047 <-- Marialigeti K., DFA 17. (ATCC 35306; DSM 46097; IFO 14296; IMET 7686; JCM

- 7349; NRRL B-16224). Synonym: *Promicromonospora enterophila* Jager et al. 1983. Ex: diplopoda, *Chromatoiulus projectus*, Hungary. (Medium 64, 28°C, F-1) (387)
- Ac-1048 Type <-- Marialigeti K., DFA 19. (ATCC 35307; DSM 43852; IFO 14295; IMET 7687; JCM 7350; NRRL B-16223). Synonym: *Promicromonospora enterophila* Jager et al. 1983 Type. Ex: diplopoda, *Chromatoiulus projectus*, Hungary. (Medium 64, 28°C, F-1) (387, 1357)
- Ac-1049 <-- Marialigeti K., DFA 51. Synonym: *Promicromonospora enterophila* Jager et al. 1983. Ex: diplopoda, *Chromatoiulus projectus*, Hungary. (Medium 64, 28°C, F-1) (387, 1357)
- Ac-1050 <-- Marialigeti K., DFA 50. Synonym: *Promicromonospora enterophila* Jager et al. 1983. Ex: diplopoda, *Chromatoiulus projectus*, Hungary. (Medium 64, 28°C, F-1) (387)

***Oerskovia turbata*** (Erikson 1954) Prauser et al. 1970 emend. Stackebrandt et al. 2002

- Ac-1024 Type <-- Prauser IMET. (RIA 1564; ATCC 25835; SSIC 891; DSM 20577, 43880). Synonym: *Cellulomonas turbata* (Erikson 1954) Stackebrandt et al. 1983 Type, "*Nocardia turbata*" Erikson 1954. Ex: soil. (Medium 64, 28°C, F-1, C-1) (218, 286, 497, 1353, 1357, 2724, 2886)

***Okibacterium fritillariae*** Evtushenko et al. 2002

- Ac-2059 Type <-- IBPM, DL-504. (IFO 16404; JCM 12284). Ex: *Fritillaria ruthenica*, seed. Moscow region, Russia. (Medium 166, 28°C, F-1)
- Ac-2062 <-- IBPM, DL-542. (IFO 16407). Ex: *Clematis recta*, seed. Moscow region, Russia. (Medium 166, 28°C, F-1)

***Paenibacillus alvei*** (Cheshire and Cheyne 1885) Ash et al. 1994

- B-502 Type <-- INMI, VKM B-502 <-- NCTC, NCTC 6352 <-- Smith N.R., 662 <-- Lochhead A., 127. (VKM B-673; ATCC 6344, 8240; CCM 2051; NCIB 9371, 8198; NCTC 6352, 3324; NRRL B-383; IFO 3343; DSM 29; CN 2198). Received as: *Bacillus alvei*. Synonym: *Bacillus alvei* Cheshire and Cheyne 1885 Type. Ex: foul brood of bees. (Medium 5, 28°C, F-1, S-4)
- B-674 <-- INMI, VKM B-674 <-- NCIB, NCIB 8199 <-- Smith N.R., 680. (NRRL B-384; NCIB 8199). Ex: soil. Received as: *Bacillus alvei*. Synonym: *Bacillus alvei* Cheshire and Cheyne 1885. (Medium 3, 30°C, F-1, C-1, S-4)
- B-675 <-- INMI, VKM B-675 <-- NCIB, NCIB 8212. (NCIB 8212). Received as: *Bacillus alvei*. Synonym: *Bacillus alvei* Cheshire and Cheyne 1885. (Medium 3, 30°C, F-1, C-1, S-4)
- B-724 <-- INMI, VKM B-724 <-- CCM, CCM 203. Ex: pond water, Czechoslovakia. Received as: *Bacillus alvei*. Synonym: *Bacillus alvei* Cheshire and Cheyne 1885. (Medium 3, 30°C, F-1, C-1, S-4) (1323)
- B-725 <-- INMI, VKM B-725 <-- CCM, CCM 1614. (CCM 1614; CN 2773). Received as: *Bacillus alvei*. Synonym: *Bacillus alvei* Cheshire and Cheyne 1885. (Medium 5, 30°C, F-1, C-1, S-4)
- B-933 <-- INMI, VKM B-933 <-- INMIA. (CIP 5284). Received as: *Bacillus alvei*. Synonym: *Bacillus alvei* Cheshire and Cheyne 1885. (Medium 3, 30°C, F-1, C-1, S-4)
- B-934 <-- INMI, VKM B-934 <-- INMIA. (IFO 3343). Received as: *Bacillus alvei*. Synonym: *Bacillus alvei* Cheshire and Cheyne 1885. (Medium 3, 30°C, F-1, C-1, S-4)

***Paenibacillus larvae*** (White 1906) Ash et al. 1994 emend. Genersch et al. 2006

- B-748 <-- INMI, VKM B-748 <-- CCM, CCM 38. (CCM 38; CIP 53; CN 3621). Received as: *Bacillus pulvifaciens*. Synonym: *Bacillus larvae* White 1906. (Medium 5, 30°C, F-1)

***Paenibacillus macerans*** (Schardinger 1905) Ash et al. 1994

- B-51 <-- INMI, VKM B-51 <-- Solntseva L.I. INMI. Received as: "*Bacillus acetoethylicum*" Horthrop et al. 1919. Synonym: *Bacillus macerans* Schardinger 1905. (Medium 158, 37°C, F-1, S-4)
- B-506 Type <-- INMI, VKM B-506 <-- NCTC, NCTC 6355 <-- Smith N.R., 888. (ATCC 8244; CCM 2012; IAM 1227; NCIB 9368; NCIMB 9368; CCEB 632; DSM 24; NCTC 6355; Smith

- N.R., 888). Received as: *Bacillus macerans*. Synonym: *Bacillus macerans* Schardinger 1905 Type. (Medium 158, 30°C, F-1, S-4) (1366)
- B-697 <-- INMI, VKM B-697 <-- NCIB, NCIB 8160 <-- Smith N.R., 646 <-- Tilden E.B., ("Bacillus betanigrificans"). (NCIB 8160; ATCC 8518; Smith N.R., 646). Received as: *Bacillus macerans*. Synonym: *Bacillus macerans* Schardinger 1905. (Medium 158, 30°C, F-1, S-4)
- B-698 <-- INMI, VKM B-698 <-- NCIB, NCIB 8930 <-- Tilden E.B., 585. (NCIB 8930; ATCC 8516; Smith N.R., 1100; Tilden E.B., 585). Received as: *Bacillus macerans*. Synonym: *Bacillus macerans* Schardinger 1905. (Medium 158, 30°C, F-1, S-4)
- B-1794 <-- IB, IB 3K-1. Ex: forest soil, Bashkiria. Received as: *Bacillus macerans*. Synonym: *Bacillus macerans* Schardinger 1905. (Medium 158, 42°C, F-1)
- B-1795 <-- IB, IB 4-2-5. Ex: forest soil, Bashkiria. Received as: *Bacillus macerans*. Synonym: *Bacillus macerans* Schardinger 1905. (Medium 158, 42°C, F-1)
- B-1796 <-- IB, IB 5-1-1. Ex: forest soil, Bashkiria. Received as: *Bacillus macerans*. Synonym: *Bacillus macerans* Schardinger 1905. (Medium 158, 42°C, F-1)
- B-1797 <-- IB, IB 6-3-5. Ex: forest soil, Bashkiria. Received as: *Bacillus macerans*. Synonym: *Bacillus macerans* Schardinger 1905. (Medium 158, 42°C, F-1)
- B-1798 <-- IB, IB 8-3-9. Ex: forest soil, Bashkiria. Received as: *Bacillus macerans*. Synonym: *Bacillus macerans* Schardinger 1905. (Medium 158, 42°C, F-1)

***Paenibacillus polymyxa*** (Prazmowski 1880) Ash et al. 1994

- B-34 <-- INMI, VKM B-34 <-- Solntseva L.I. INMI <-- ATCC, ATCC 8521. Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 9, 30°C, F-1, S-4)
- B-418 <-- INMI, VKM B-418 <-- INMIA, ATCC 8523 <-- ATCC, ATCC 8523 <-- Smith N.R., 354. (VKM B-28; ATCC 8523). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 3, 30°C, F-1, S-4)
- B-419 <-- INMI, VKM B-419 <-- INMIA, RIA 126. (NCIB 4747; NCIMB 4747; NCTC 4747; Smith N.R., 1237). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 3, 28°C, F-1, S-4)
- B-421 <-- INMI, VKM B-421 <-- INMIA, BU 164. (NCTC 1419; BUCSAV 164). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 3, 30°C, F-1, S-4)
- B-514 Type <-- INMI, VKM B-514 <-- NCTC, NCTC 10343 <-- Smith N.R., 1105. (BKM B-420, B-703; ATCC 842; NCIB 8158; NCIMB 8158; CCEB 636; CCM 1459; BUCSAV 162; DSM 36; NCTC 10343; JCM 2507; Smith N.R., 1105). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889 Type. (Medium 9, 30°C, F-1, C-1, S-4) (1366)
- B-568 <-- INMI, VKM B-568 <-- VNIISHMM, ATCC 7070. (ATCC 7070; Smith N.R., 279). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 3, 30°C, F-1, S-4)
- B-569 <-- INMI, VKM B-569 <-- VNIISHMM, ATCC 8523. (ATCC 8523; Smith N.R., 354). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 9, 28°C, F-1, S-5, S-4)
- B-701 <-- INMI, VKM B-701 <-- NCIB 7575 <-- Gibson T., 43. (NCTC 7575; Gibson T., 43). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 3, 30°C, F-1, S-4)
- B-702 <-- INMI, VKM B-702 <-- NCIB, NCIB 8094 <-- Smith N.R., 2010. (VKM B-746; NCIB 8094; ATCC 10401; CCM 1460; NCDO 737; BUCSAV 163; Smith N.R., 2010). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 9, 30°C, F-1, S-4)
- B-704 <-- INMI, VKM B-704 <-- NCIB, NCIB 8228. Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 3, 30°C, F-1, S-4)
- B-705 <-- INMI, VKM B-705 <-- NCIB 8524. (NCIB 8524; VKM B-29). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 3, 30°C,

F-1, S-4)

- B-706 <-- INMI, VKM B-706 <-- NCIB, NCIB 8525. (NCIB 8525; VKM B-27). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 9, 30°C, F-1, S-4) (1174)
- B-707 <-- INMI, VKM B-707 <-- NCIB, NCIB 8526. (NCIB 8526; VKM B-26). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 3, 30°C, F-1, S-4)
- B-709 <-- INMI, VKM B-709 <-- NCIB, NCIB 8599. (NCIB 8599; NRRL 510; CDA 455). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 3, 30°C, F-1, S-4)
- B-744 <-- INMI, VKM B-744 <-- CCM, CCM 27. (CCM 27). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 3, 30°C, F-1, S-4)
- B-745 <-- INMI, VKM B-745 <-- CCM, CCM 45. (CCM 45). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 3, 30°C, F-1, S-4)
- B-747 <-- INMI, VKM B-747 <-- CCM, CCM 1609. (CCM 1609; Proom H., CN 1417). Received as: *Bacillus polymyxa*. Synonym: *Bacillus polymyxa* (Prazmowski 1880) Mace 1889. (Medium 3, 30°C, F-1, S-4)

***Pantoea agglomerans*** (Ewing and Fife 1972) Gavini et al. 1989

- B-607 <-- INMI, VKM B-607 <-- CCM, CCM 1434. (ATCC 13460; CCM 1434; Burkholder W.H., XB2). Received as: "*Xanthomonas barbarae*" Burkholder 1941. Synonym: *Enterobacter agglomerans* Ewing and Fife 1972, *Erwinia herbicola* (Löhnis 1911) Dye 1964. Ex: winter-cress, *Barbarea vulgaris*. (Medium 5, 28°C, F-1, C-1, F-3)
- B-1203 <-- INMI, VKM B-1203 <-- Belikova V.L. IBPM, IBPM B-141 <-- CCM, CCM 298. (NCIB 9157; NCIMB 9157; CCM 298). Received as: "*Flavobacterium rhenanum*" (Migula 1900) Bergey et al., 1923. Synonym: *Enterobacter agglomerans* Ewing and Fife 1972, *Erwinia herbicola* (Löhnis 1911) Dye 1964. (Medium 5, 30°C, F-1, S-5)
- B-1216 <-- INMI, VKM B-1216 <-- IBPM, IBPM B-73 <-- Belikova V.L. IBPM, 18-3. Ex: *Poa bulbosa*, Tadjikistan, Dushanbe. Received as: *Erwinia herbicola*. Synonym: *Enterobacter agglomerans* Ewing and Fife 1972, *Erwinia herbicola* (Löhnis 1911) Dye 1964. (Medium 5, 29°C, F-1, S-5) (45, 54)

***Pantoea ananatis*** corrig. (Serrano 1928) Mergaert et al. 1993

- B-1169 <-- INMI, VKM B-1169 <-- NCIB, NCIB 9891. (ATCC 8366; NCIB 9891). Received as: *Flavobacterium acidificum*. Synonym: *Erwinia ananas* Serrano 1928, *Erwinia herbicola* var. *ananas*" (Serrano 1928) Dye 1969. (Medium 5, 30°C, F-1, S-5) (1366)

***Paracoccus alcaliphilus*** Ukarami et al. 1989

- B-2138 Type <-- Doronina N.V. IBPM, JCM 7364 <-- JCM, JCM 7364. (ATCC 51199; DSM 8512; JCM 7364; NCIMB 13180). Ex: soil. (Medium 79, 30°C, S-2)

***Paracoccus aminophilus*** Ukarami et al. 1990

- B-2141 Type <-- Doronina N.V. IBPM, JCM 7686 <-- JCM, JCM 7686. (DSM 8538; JCM 7686). Ex: soil. (Medium 221, 30°C, F-2)

***Paracoccus aminovorans*** Ukarami et al. 1990

- B-2140 Type <-- Doronina N.V. IBPM, JCM 7685 <-- JCM, JCM 7685. (ATCC 49632; DSM 8537; JCM 7685). Ex: soil. (Medium 1, 30°C, F-2)

***Paracoccus denitrificans*** (Beijerinck and Minkman 1910) Davis 1969 emend. Rainey et al. 1999

- B-1320 <-- INMI, VKM B-1320 <-- CCM, CCM 982. (ATCC 19367; CCM 982; DSM 413; IFO 13301; IMET 10414; NRRL B-3785; CIP 71.11; BCRC 12285; IFO 13301; NCIB 8944; NCIMB 8944; IMG 1627; Morris J.G., 5). Synonym: "*Micrococcus denitrificans*" Beijerinck and Minkman 1910. Ex: garden soil. (Medium 5, 30°C, F-1, C-1, F-3)

B-1324 Type <-- INMI, VKM B-1324 <-- Zavarzin G.A. INMI, Vogt. (ATCC 17741; NCIB 11627; NCIMB 11627; NRRL B-3784; IAM 12479; IMET 10380; Stanier R.Y., 381). Synonym: "*Micrococcus denitrificans*" Beijerinck and Minkman 1910. Ex: soil. (Medium 5, 28°C, F-1, C-1, F-3) (339, 1366)

***Paracoccus kocurii*** Ohara et al. 1990

B-2139 Type <--- Doronina N.V. IBPM, JCM 7684 <-- JCM, JCM 7684. (ATCC 49631; CCM 4333; DSM 8536; JCM 7684). Ex: activated sludge for treatment of tetramethylammonium. (Medium 221, 30°C, F-1)

***Paracoccus kondratievae*** Doronina and Trotsenko 2001 emend. Doronina et al. 2002

B-2222 Type <-- Doronina N.V., IBPM, GB (GB; NCIMB 13773). Ex: maize rhizosphere, Russia. (Medium 134 without methylamine, pH 8.0–9.2, 38–42°C, F-1).

***Paracoccus methylutens*** Doronina et al. 1998

B-2164 Type <-- Doronina N.V., IBPM, DM 12(DM12). Ex: ground water, Switzerland. (Medium 134 without methylamine, 38–42°C, F-1).

***Paracoccus solventivorans*** Siller et al. 1998 emend. Lipski et al. 1998

B-2190 Type <-- Doronina N.V. IBPM, DSM 6637 <-- DSMZ, DSM 6637. (ATCC 700252; CIP 105051; DSM 6637). Utilizes acetone. Ex: soil. (Medium 5, 30°C, F-1)

***Paracoccus thiocyanatus*** Katayama et al. 1996

B-2162 Type <-- Doronina N.V. IBPM, THI 011 <-- IAM, IAM 12816. (IAM 12816, IFO 14569). (Medium 5, 30°C, F-1, F-2)

***Paracoccus versutus*** Katayama et al. 1996

B-2163 Type <-- Doronina N.V. IBPM, IAM 12814 <-- IAM, IAM 12814. (ATCC 25364; CCM 2505; DSM 582; IAM 12814). Synonym: *Thiobacillus versutus* Harrison 1983. (Medium 5, 30°C, F-1, F-2)

**"*Parvopolyspora pallida*"** Liu and Lian

Ac-1270 Type <-- Kuznetsov V.D. INMI, K-4113 <-- JCM, JCM 6053. (ATCC 51645; DSM 43888; IFO 14788; JCM 6053). Ex: soil, China. (Medium 8, 28°C, F-1, C-1)

***Pectobacterium carotovorum*** subsp. *carotovorum* (Jones 1901) Hauben et al. 1999 emend. Gardan et al. 2003

B-567 <-- INMI, VKM B-567 <-- VNIISHMM. Received as: *Erwinia carotovora*. Synonym: *Erwinia carotovora* subsp. *carotovora* (Jones 1901) Bergey et al. 1923. (Medium 5, 28°C, F-1, C-1, F-3) (1671)

B-1247 Type <-- INMI, VKM B-1247 <-- CCM, CCM 1008. (ATCC 15713; CCM 1008; DSM 30168; NCPPB 312; CIP 82.83; BCRC 12851; CCUG 4907; Hellmers E., 904). Received as: *Erwinia carotovora*. Synonym: *Erwinia carotovora* subsp. *carotovora* (Jones 1901) Bergey et al. 1923 Type. Ex: potatoes, *Solanum tuberosum*. (Medium 5, 28°C, F-1, C-1, F-3) (1366)

***Pediococcus acidilactici*** Lindner 1887

B-582 <-- INMI, VKM B-582 <-- CCM, CCM 1855. (ATCC 8042; NCIB 6990, 7881, 8018, 8031; NCTC 6990; DSM 20238; NCDO 521; Snell E.E., P 60 (*Leuconostoc mesenteroides*)). Received as: *Leuconostoc mesenteroides*. (Medium 75, 30°C, F-1, S-5)

B-583 <-- INMI, VKM B-583 <-- CCM, CCM 822. (CCM 822; IFO 12229). Received as: "*Pediococcus cerevisiae*" Balcke 1884. Ex: New Zealand, Cheddar cheese. (Medium 75, 30°C, F-1, S-5)

B-1949 <-- Barefoot S.F. Clemson University USA, CFM 146. (Medium 75, 30°C, S-5)

B-2205 <-- Gudima M.Ju. VKPM, B-7509. (ATCC 12697; NRRZ B-639). (Medium 75, 30°C, S-5)

***Pediococcus damnosus*** Claussen 1903

B-1226 <-- INMI, VKM B-1226 <-- CCM, CCM 2464 <-- Claussen N.H.. Received as: *Pediococcus acidilactici*. Ex: beer. (Medium 75, 30°C, F-1, S-5) (285, 521)

B-1602 Type <-- CCM, CCM 3453. (ATCC 29358; CCM 3453; DSM 20331; NCDO 1832; CIP 102264; CCUG 21535; NCFB 1832; NCIMB 12010). Ex: lager beer yeast. (Medium 75, 26°C, F-1, S-5) (285, 935, 1366)

***Pediococcus dextrinicus*** (Coster and White 1964) Back 1978

B-1603 Type <-- CCM, CCM 3457 <-- Back W. <-- Coster E. (ATCC 33087; CCM 3457; DSM 20335; NCDO 15561; NCFB 1561; CCUG 18834). Received as: "*Pediococcus cerevisiae* subsp. *dextrinicus*". Synonym: "*Pediococcus cerevisiae* subsp. *dextrinicus*" Coster and White 1964. Ex: silage. (Medium 75, 30°C, F-1, S-4) (368, 507, 1366)

***Pediococcus parvulus*** Gunther and White 1961

B-1604 Type <-- CCM, CCM 3450 <-- Back W. <-- White H.R., S-182. (ATCC 19371; CCM 3450; NCIB 9447; NCIMB 9447; DSM 20332; NCDO 1634; IFO 12235; NCFB 1634; CIP 102262; White H.R., S-182; Coster E., QEC 106). Ex: silage. (Medium 75, 30°C, F -1, S-4) (285, 507, 935, 1366)

***Pediococcus pentosaceus*** Mees 1934

B-579 <-- INMI, VKM B-579 <-- CCM, CCM 1578 <-- Hammer B.W., N 32. (ATCC 88081; NCIB 7837, 8104; NCIMB 7837; CCM 1578; DSM 20206; NCTC 7837; NCDO 813; CIP 53.50; IAM 1215; IFO 3182; OUT 8131). Received as: "*Pediococcus cerevisiae*" Balcke 1884. (Medium 75, 37°C, F-1, S-5)

B-1950 <-- Barefoot S.F. Clemson University USA, CFM 147. Received as: "*Pediococcus cerevisiae*" Balcke 1884. (Medium 75, 26°C, F-1, S-5)

B-1951 <-- Barefoot S.F. Clemson University USA, CFM 150. Received as: "*Pediococcus cerevisiae*" Balcke 1884. (Medium 75, 37°C, F-1, S-5)

B-2204 <-- Gudima M.Ju. VKPM, B-7508. (NRRZ B-14009). (Medium 75, 37°C, F-1, S-5)

B-2206 <-- Gudima M.Ju. VKPM, B-7510. (ATCC 33314; DSM 20333; JCM 5885; NCDO 1859; NRRZ B-14958). Received as: *Pediococcus acidilactici* Type. (Medium 75, 30°C, S-5)

B-2207 <-- Gudima M.Ju. VKPM, B-7511. (ATCC 25744). (Medium 75, 37°C, F-1, S-5)

***Pelomonas saccharophila*** (Doudoroff 1940) Xie and Yokota 2005

B-902 Type <-- INMI, VKM B-902 <-- CCEB, CCEB 529. (ATCC 15946; CCM 1980; DSM 654; NCIB 8570; NCIMB 8570; BCRC 11078; CCUG 15839; CIP 59.18; NCFB 1936; NRRL B-1492; CCEB 529). Received as: *Pseudomonas saccharophila*. Synonym: *Pseudomonas saccharophila* Doudoroff 1940 Type. Ex: water. (Medium 5, 28°C, F-1, C-1, F-3) (1366)

***Persicobacter diffluens*** (Reichenbach 1989) Nakagawa et al. 1997

B-1434 <-- INMI, VKM B-1434 <-- NCMB, NCMB 1430. (ATCC 23140; NCMB 1430; NCIMB 1430; Lewin R.A., LIM-1). Received as: *Cytophaga diffluens*. Synonym: *Cytophaga diffluens* (ex Stanier 1940) Reichenbach 1989. Ex: beach mud, Costa-Rica. (Medium 171, 28°C, F-1, C-1, F-3)

***Photobacterium leiognathi*** Boisvert et al. 1967

B-1719 <-- Fish A.M. IBSO, 579. (Medium 43, 24°C, F-1)

B-1720 <-- Fish A.M. IBSO, 580. (Medium 43, 24°C, F-1)

***Photobacterium phosphoreum*** (Cohn 1878) Beijerinck 1889

B-1306 <-- INMI, VKM B-1306 <-- CCM, CCM 2348 <-- NCMB, NCMB 844 <-- Spencer R. <-- Georgala D.L. (NCMB 844; NCIMB 844; CCM 2348; DSM 2167). Synonym:

"*Acinetobacter phosphorescens*" Brisou 1955, "*Photobacterium profudum*" Weisglass and Gavrilovic 1963. Ex: hake, *Merluccius capensis*, South Africa, Cape Town. (Medium 43, 20°C, F-1, S-5) (513)

B-1717 <-- Fish A.M. IBSO, 254. Synonym: "*Acinetobacter phosphorescens*" Brisou 1955, "*Photobacterium profudum*" Weisglass and Gavrilovic 1963. (Medium 43, 24°C, F-1)

***Planobispora longispora*** Thiemann and Beretta 1968

Ac-700 Type <-- Kuznetsov V.D. INMI, KCC A-0092. (ATCC 23867; BCRC 13637; CBS 115.69; DSM 43041; IFO 13879, 13918; JCM 3092; NCIMB 13269). Ex: soil, Venezuela. (Medium 8, 28°C, F-1) (733, 1357)

***Planobispora rosea*** Thiemann 1970

Ac-1318 Type <-- DSM, DSM 43051. (ATCC 23866; BCRC 13421; DSM 43051; IFO 15558; JCM 3166; NRRL B-8121 ). Ex: soil, Venezuela. (Medium 8, 28°C, F-1, C-1) (831, 1357)

***Planococcus citreus*** Migula 1894

B-1307 Type <-- INMI, VKM B-1307 <-- CCM, CCM 316. (ATCC 14404; DSM 20549; CCM 316; NCMB 1493; NCIMB 1493; JCM 2532; CIP 81.74; ZoBell C.E., 628 ("*Micrococcus aquivivus*"). Synonym: "*Micrococcus aquivivus*" ZoBell and Upham 1944, "*Sarcina citrea*" (Migula 1894) Bergey et al. 1948, "*Micrococcus eucinetus*" Leifson 1964. Ex: sea water. (Medium 167, 28°C, F-1, C-1, F-3) (683, 1366, 1706, 1710)

***Planomicrobium okeanokoites*** (ZoBell and Upham 1944) Yoon et al. 2001

B-1175 Type <-- INMI, VKM B-1175 <-- NCMB, NCMB 1054. (ATCC 33414; NCMB 1054; CCM 320; IFO 12536). Received as: *Flavobacterium okeanokoites*. Synonym: *Flavobacterium okeanokoites* ZoBell and Upham 1944 Type, *Planococcus okeanokoites* (ZoBell and Upham 1944) Nakagawa et al. 1996 Type. Ex: sea mud. (Medium 5, 30°C, F-1, S-5, S-4) (1041, 1366)

***Planomonospora parontospora*** subsp. *parontospora* Thiemann et al. 1967

Ac-664 Type <-- INMI, VKM A-664 <-- RIA, RIA 939 <-- Thiemann J.E., B/677. (RIA 939; ATCC 23863; BCRC 13425; CBS 117.69; DSM 43177; IFM 1246; IFO 13880; IMET 9030; JCM 3093; NRRL B-8120 ). Ex: soil, Atacama, Chile. (Medium 205, 28°C, F-1) (831, 1357)

***Planomonospora venezuelensis*** Thiemann 1970

Ac-699 Type <-- INMI, VKM A-699 <-- Kuznetsov V.D. INMI, KCC A-0167. (ATCC 23865; DSM 43178; IFM 1255; IFO 15590; JCM 3167; NRRL B-16603 ). Ex: soil, Venezuela. (Medium 205, 28°C, F-1) (732, 1357)

***Planotetraspora mira*** Runmao et al. 1993

Ac-2000 Type <-- JCM, JCM 9131. (ATCC 51423; DSM 44359; IFO 15435; JCM 9131). Ex: soil, China, Wolung, Sichuan. (Medium 183, 28°C, F-1) (3321)

***Plantibacter flavus*** Behrendt et al. 2002

Ac-2504 Type <-- DSM, DSM 14012. (DSM 14012; JCM 12144; LMG 19919) Ex: phylloshere of grasses, Germany. (Medium 166, 28°C, F-1)

***Prauserella rugosa*** (Lechevalier et al. 1986) Kim and Goodfellow 1999

Ac-1243 Type <-- Terekhova L.P. INA, IMET 7650. (ATCC 43014; CIP 106520; DSM 43194; IFO 14506; IMET 7650; IMRU 3760; JCM 9736; NCIMB 8926; NRRL B-2295). Received as: "*Nocardia rugosa*". Synonym: *Amycolatopsis rugosa* (ex Di Marco and Spalla 1957) Lechevalier et al. 1986 Type, "*Nocardia rugosa*" Di Marco and Spalla 1957 Type, "*Proactinomyces rugosa*"(ex Di Marco and Spalla 1957) Krassilnikov 1970. Ex: cattle rumen. (Medium 64, 28°C, F-1) (808, 1357)

***Promicromonospora citrea*** Krassilnikov et al. 1961

Ac-665 Type <-- RIA, RIA 562 <-- INMI, INMI 18. (RIA 562; ATCC 15908; DSM 43110; IFO 12397; IMET 7267; JCM 3051; LMG 4076; NCIMB 12149; NRRL B-3485). Ex: garden soil. (Medium 64, 28°C, F-1, C-1) (47, 48, 292, 1353, 1357, 1453, 1495)

Ac-788 <-- Pataraya D.T., 195D. Received as: *Promicromonospora* sp. Ex: mountain soil, Georgia. (Medium 64, 28°C, F-1, C-1) (43, 47, 1353)

Ac-1028 <-- Lechevalier M., LL G-201. Received as: *Promicromonospora* sp. Ex: soil, USA. (Medium 64, 28°C, F-1, C-1) (47, 135, 349)

Ac-1035 <-- Prauser H., IMET 7266. Ex: soil, Germany. (Medium 64, 28°C, F-1, C-1) (47)

***Promicromonospora*** sp.

Ac-785 <-- Pataraya D.T., 58D. Former name: *Promicromonospora citrea* Krassilnikov et al. 1961, "*Promicromonospora alba*" Evtushenko 1985. Ex: soil, Georgia. (Medium 64, 28°C, F-1, C-1) (47, 135)

***Promicromonospora*** sp.

Ac-786 <-- Pataraya D.T., 64D. Former name: *Promicromonospora citrea* Krassilnikov et al. 1961, "*Promicromonospora alba*" Evtushenko 1985. Ex: soil, Georgia. (Medium 64, 28°C, F-1, C-1) (47, 135)

***Promicromonospora*** sp.

Ac-787 <-- Pataraya D.T., 140D. Former name: *Promicromonospora citrea* Krassilnikov et al. 1961, "*Promicromonospora alba*" Evtushenko 1985. Ex: mountain soil, Georgia. (Medium 64, 28°C, F-1, C-1) (47, 135)

***Promicromonospora*** sp.

Ac-796 <-- Pataraya D.T., 16D. Former name: *Promicromonospora citrea* Krassilnikov et al. 1961, "*Promicromonospora alba*" Evtushenko 1985 Type. Ex: soil, Georgia. (Medium 64, 28°C, F-1, C-1) (47, 135, 43, 1321, 1353, 1495)

***Promicromonospora*** sp.

Ac-1026 <-- Lechevalier M., LL G-165. (DSM 46081; IMET 7533). Former name: *Promicromonospora citrea* Krassilnikov et al. 1961. (Medium 64, 28°C, F-1, C-1) (64, 47, 135, 349)

***Promicromonospora*** sp.

Ac-1027 <-- Lechevalier M., LL G-173. (DSM 46082; IMET 7534). Former name: *Promicromonospora citrea* Krassilnikov et al. 1961, "*Promicromonospora alba*" Evtushenko 1985. (Medium 64, 28°C, F-1, C-1) (47, 349)

***Promicromonospora*** sp.

Ac-1031 <-- Prauser H., IMET 7001. (DSM 43877; IMET 7001). Former name: *Promicromonospora citrea* Krassilnikov et al. 1961. Ex: soil, limestone cave of Demanova, Slovakia. (Medium 64, 28°C, F-1, C-1) (43, 47)

***Promicromonospora*** sp.

Ac-1039 <-- Prauser H., IMET 7493. Former name: *Promicromonospora citrea* Krassilnikov et al. 1961, "*Promicromonospora alba*" Evtushenko 1985. Ex: soil, Germany. (Medium 64, 28°C, F-1, C-1) (43, 47)

***Promicromonospora*** sp.

Ac-1040 <-- Prauser H., IMET 7495. Former name: *Promicromonospora citrea* Krassilnikov et al. 1961, "*Promicromonospora alba*" Evtushenko 1985. Ex: soil, Germany. (Medium 64,

28°C, F-1, C-1) (43, 47)

***Promicromonospora* sp.**

Ac-1043 <-- Prauser H., IMET 7579. Former name: *Promicromonospora citrea* Krassilnikov et al. 1961. Ex: soil, Germany. (Medium 64, 28°C, F-1, C-1)

***Promicromonospora sukumoe* Takahashi et al. 1988**

Ac-1966 Type <-- JCM, JCM 6845. (DSM 44121; IFO 14650; JCM 6845). Ex: soil, Japan, Kochi Pref., Sukumo City. (Medium 166, 28°C, F-1) (3322, 3346)

***Propionibacterium acnes* (Gilchrist 1900) Douglas and Gunter 1946**

Ac-1450 Type <-- DSM, DSM 1897. (ATCC 6919; CCUG 1794; CIP 53.117; DSM 1897; JCM 6425; LMG 16711; NCTC 737; NRRL B-4224). Synonym: "*Corynebacterium acnes*" (Gilchrist 1900) Ebersson 1918. Ex: facial acne. (Medium 36, 37°C, F-2, S-7, C-3) (292, 1413, 1414)

Ac-1451 <-- IMET, IMET 10516. (ATCC 11829; DSM 20458; IMET 10516; NCTC 10387).

Synonym: "*Corynebacterium parvum*" Prevot 1940. (Medium 36, 37°C, F-2, S-7, C-3) (292, 1413, 1414)

***Propionibacterium cyclohexanicum* Kusano et al. 1997**

Ac-2259 <-- VKM, VKM B-104 <-- INMI, VKM B-104 <-- Neronova N.M., INMI. Received as: *Propionibacterium freudenreichii* Van Niel 1928. Former name: "*Propionibacterium shermanii*" van Niel 1928. (Medium 36, 30°C, F-1, F-3)

Ac-2260 <-- VKM, VKM B-103 <-- INMI, VKM B-103 <-- Neronova N.M., INMI. Received as: *Propionibacterium freudenreichii* subsp. *shermanii* (Van Niel 1928) Holdeman and Moore 1970. Former name: "*Propionibacterium shermanii*" van Niel 1928. (Medium 36, 30°C, F-1, F-3) (1146, 1273, 1473, 1500, 1502, 1559, 1611, 1694)

***Propionibacterium freudenreichii* subsp. *shermanii* (Van Niel 1928) Holdeman and Moore 1970**

Ac-2092 <-- Vorobjeva L.I., KM MGU, KM 185. Ex: "soviet" cheese. (Medium 36, 28°C, F-1)

Ac-2093 <-- Vorobjeva L.I., KM MGU, KM 186. Ex: "soviet" cheese. (Medium 36, 28°C, F-1)

Ac-2094 <-- Vorobjeva L.I., KM MGU, KM 187. Ex: "soviet" cheese. (Medium 36, 28°C, F-1)

***Propionibacterium propionicum* (Buchanan and Pine 1962) Charfreitag et al. 1988**

Ac-1449 Type <-- DSM, DSM 43307. (ATCC 14157; CCUG 4939; CIP 101941; DSM 43307; IFO 14587; IMET 10974; JCM 5830; NCTC 12967). Synonym: *Arachnia propionica* (Buchanan and Pine 1962) Pine and Georg 1969 Type. (Medium 36, 37°C, F-2, S-7, C-3) (1342)

***Propionibacterium* sp.**

Ac-1436 <-- Sharaya L.S. IBPM, 6D. Ex: mineral water "Jerelna", bore-well, Truskavets, Ukraine. (Medium 36, 37°C, F-2, S-7, C-3) (1343)

***Propionibacterium* sp.**

Ac-1437 <-- Sharaya L.S. IBPM, 5B. Ex: mineral water "Naftusya", bore-hole, Truskavets, Ukraine. (Medium 36, 37°C, F-2, S-7, C-3) (1343)

***Propionibacterium* sp.**

Ac-1438 <-- Sharaya L.S. IBPM, 2K. Ex: mineral water "Kuvaka", spring, Penzen Region, Russia. (Medium 36, 37°C, F-2, C-3) (1343)

***Propionibacterium* sp.**

Ac-1910 <-- Vorobjeva L.I., KM MGU, N400. Received as: "*Propionibacterium coccoides*". Ex: "soviet" cheese at the early stage its ripening, Russia, Altai region. (Medium 36, 28°C, F-1)

***Propionibacterium* sp.**

Ac-2263 <-- VKM, VKM B-1263 <-- INMI, VKM B-1263 <-- PCM, T-128. Former name:  
"Propionibacterium zeae" Hitchner 1932. (Medium 36, 30°C, F-1, F-3)

***Propionibacterium* sp.**

Ac-2264 <-- VKM, VKM B-1264 <-- INMI, VKM B-1264 <-- PCM, T-127. Former name:  
"Propionibacterium technicum" van Niel 1928. (Medium 36, 30°C, F-1, F-3)

***Propionibacterium* sp.**

Ac-2265 <-- VKM, VKM B-1261 <-- INMI, VKM B-1261 <-- PCM, T-112. Former name:  
"Propionibacterium petersonii" van Niel 1928. (Medium 36, 30°C, F-1, F-3)

***Propionibacterium* sp.**

Ac-2266 <-- VKM, VKM B-1262 <-- INMI, VKM B-1262 <-- PCM, T-126. Former name:  
"Propionibacterium pentosaceum" van Niel 1928. (Medium 36, 30°C, F-1, F-3)

***Propionibacterium* sp.**

Ac-2267 <-- VKM, VKM B-1267 <-- INMI, VKM B-1267 <-- PCM, T-124. Former name:  
"Propionibacterium pituitosum" Janoschek 1944. (Medium 36, 30°C, F-1, F-3)

***Propionibacterium* sp.**

Ac-2268 <-- VKM, VKM B-1268 <-- INMI, VKM B-1268 <-- PCM, T-121. Former name:  
"Propionibacterium raffinoseum" Werkman and Kendall 1931. (Medium 36, 30°C, F-1,  
F-3)

***Prosthecomicrobium enhydrium* Staley 1968**

B-1376 Type <-- INMI, VKM B-1376 <-- Staley J.T., 9b. (ATCC 23634; JCM 21106; NBRC  
102409). Ex: river water. (Medium 56, 30°C, F-1, S-5, S-4) (448, 1366, 1392)

***Prosthecomicrobium pneumaticum* Staley 1968**

B-1389 Type <-- INMI, VKM B-1389 <-- Staley J.T. Michigan State University, 3a. (ATCC 23633).  
Ex: river water. (Medium 56, 30°C, F-1, S-5) (448, 982, 1172, 1366, 1392)

***Prosthecomicrobium* sp.**

B-1138 <-- INMI, VKM B-1138 <-- Vasilyeva L.V. INMI, 1108. Ex: black earth from vegetable  
garden, Russia, Krasnodar. (Medium 56, 30°C, F-1, S-5, S-4) (55, 1392, 1574)

***Prosthecomicrobium* sp.**

B-1313 <-- INMI, VKM B-1313 <-- Vasilyeva L.V. INMI, 1102. Received as: "*Agrobacterium*  
*polysphaeroidum*" Nikitin and Vasilyeva 1968. Ex: black earth, Russia. (Medium 56, 30°C,  
F-1, S-5, S-4) (59, 60, 1392, 1574)

***Pseudomonas alcaligenes* Monias 1928**

B-1295 <-- INMI, VKM B-1295 <-- Lysenko O. CCEB, CCEB 861. (CCEB 861). (Medium 5, 28°C,  
F-1, C-1, F-3) (1099)

B-2171 Type <-- Kiprianova E.A. IMV, B-4138 <-- CCEB, CCEB 759. (ATCC 14909; CCUG 1425  
A; CFBP 2437; CIP 101034; DSM 50342; IFO (now NBRC) 14159; JCM 5967; LMG  
1224; NCCB 76044; NCTC 10367). Ex: water from swimming pool. (Medium 5, 28°C,  
F-1, C-1, F-3)

***Pseudomonas aurantiaca* Nakhimovskaya 1948**

B-548 <-- INMI, VKM B-548 <-- VNIISHM, 547. Ex: maize, *Zea mays*. (Medium 5, 28°C, F-1, C-1,  
F-3) (159, 1099, 1241, 1243, 1366, 1569, 1668)

B-560 <-- INMI, VKM B-560 <-- Sorokina T.A. VNIISHMM. (NCIMB 10066). (Medium 5, 28°C,

F-1, C-1, F-3)

B-875 <-- INMI, VKM B-875 <-- VNIISHMM, 518c. (Medium 5, 28°C, F-1, C-1, F-3) (1626)

B-1524 <-- Kipriyanova E.A. IMV, 387. (ATCC 49054; IMV 387). Ex: potatoes, *Solanum tuberosum*.  
(Medium 5, 28°C, F-1, C-1, F-3)

B-1558 <-- IBPM, IBPM B-14 <-- Sorokina T.A. VNIISHMM, 520 cb. (Medium 5, 30°C, F-1, S-5)

*Pseudomonas chlororaphis* subsp. *aurantiaca* (Nakhimovskaya 1948) Peix et al. 2007

B-876 Type <-- INMI, VKM B-876 <-- Sorokina T.A. VNIISHMM, 473c. (ATCC 33663; NCIMB 10068). Received as: *Pseudomonas aurantiaca*. Synonym: *Pseudomonas aurantiaca* Nakhimovskaya 1948 Type. (Medium 5, 28°C, F-1, C-1, F-3) (1366, 1399)

*Pseudomonas chlororaphis* subsp. *aureofaciens* (Kluyver 1956) Peix et al. 2007

B-1249 <-- INMI, VKM B-1249 <-- Kipriyanova E.A. IMV, 1272. (IMV, 1972). Received as: *Pseudomonas aureofaciens*. Synonym: *Pseudomonas aureofaciens* Kluyver 1956. Ex: oil-bearing soil, Ukraine, Drobuch. (Medium 5, 28°C, F-1, C-1, F-3) (1099, 1419)

*Pseudomonas chlororaphis* subsp. *chlororaphis* (Guignard and Sauvageau 1894) Bergey et al. 1930

B-1246 Type <-- INMI, VKM B-1246 <-- Lysenko O. CCEB, CCEB 292. (VKM B-897; ATCC 9446; CCEB 292; CCM 1975; DSM 50083; NCIB 9392; NCIMB 9392; NRRL B- 560; IAM 12354; IFO 3904; IMET 10404; JCM 2778; NCTC 357; BCRC 11566; ICPB 2392; BUCSAV 286; CIP 63.22; AJ 2066; Stanier R.Y., 30 (*Pseudomonas fluorescens* biotype D); Komagata K., KS0015). Received as: *Pseudomonas chlororaphis*. Ex: soil. (Medium 5, 28°C, F-1, C-1, F-3) (508, 1366)

*Pseudomonas fluorescens* Migula 1895

B-54 <-- Solntseva L.I. INMI. Received as: "*Bacterium fluorescens liquefaciens*" Krassilnikov 1949. (Medium 5, 28°C, F-1, C-1, F-3) (1528)

B-526 <-- INMI, VKM B-526 <-- KM MGU, 028. Received as: *Pseudomonas boreopolis*. Ex: oak, USSR. (Medium 5, 28°C, F-1, C- 1, F-3) (1528)

B-553 <-- INMI, VKM B-553 <-- VNIISHM, 3. Ex: pine. (Medium 5, 28°C, F-1, C-1) (1157, 1260)

B-561 <-- INMI, VKM B-561 <-- VNIISHMM. (Medium 5, 28°C, F-1, C-1, F-3) (1260, 1575, 1626)

B-894 Type <-- INMI, VKM B-894 <-- CCEB, CCEB 546. (ATCC 13525; CCM 2115; DSM 50090; NCIB 9046; NCIMB 9046; NCTC 10038; IAM 12022; IFO 14160; IMET 10619; BCRC 11028; NCDO 1524; CCUG 1253; CCEB 546; NCFB 1524; CIP 69.13; Hugh R., RH818; Stanier R.Y., 193; Rhodes M., 28/5). Ex: pre-filter tanks. (Medium 5, 28°C, F-1, C-1, F-3) (1260, 1366, 1436, 1437, 1703)

B-896 <-- INMI, VKM B-895 <-- Lysenko O. CCEB, CCEB 488. (VKM B-895; ATCC 15456; CCEB 488, 488A; BUCSAV 140; NCIMB 9886). (Medium 5, 28°C, F-1, C-1, F-3) (1157, 1260)

B-970 <-- INMI, VKM B-970 <-- Solntseva L.I. INMI <-- Stanier R. Y., 18. (ATCC 17400; DSM 50117; NCIB 10460; NCIMB 10460; Stanier R. Y., 18). Ex: hen egg. (Medium 5, 28°C, F-1, C-1, F-3)

B-1470 <-- IBPM, IBPM B-28 <-- INMIA, CCEB 285. (CCEB 295; ATCC 948, 1125; NRRL B-10). (Medium 5, 30°C, F-1, S-5)

B-1471 <-- IBPM, IBPM B-22 <-- Belikova V.L. IBPM, 1. Ex: soil, Tadjikistan, Dushanbe. (Medium 5, 30°C, F-1, S-5) (6)

B-1472 <-- IBPM, IBPM B-23 <-- Belikova V.L. IBPM, 2. Ex: soil, Tadjikistan, Dushanbe. (Medium 5, 30°C, F-1, S-5) (6, 1079, 1216)

B-1473 <-- IBPM, IBPM B-25 <-- Sorokina T.A. VNIISHMM, 449 c. (Medium 5, 30°C, F-1, S-5)

B-1474 <-- IBPM, IBPM B-24 <-- Belikova V.L. IBPM, Roc 15-1. Ex: *Carex pochystilis*, Tadjikistan, Dushanbe. (Medium 5, 30°C, F-1, S-5) (6)

B-1475 <-- IBPM, IBPM B-29 <-- INMIA, BU 368. (IFO 368). (Medium 5, 30°C, F-1, S-5)

B-1476 <-- IBPM, IBPM B-172 <-- Belikova V.L. IBPM, 11. Ex: wheat, *Triticum vulgare*, Tadjikistan, Dushanbe. (Medium 5, 30°C, F-1, S-5) (6)

- B-2167 <-- Kiprianova I.A. IMV, B-1488. Ex: rhizosphere of *Linum usitatissimum*. (Medium 5, 30°C, F-1, S-5)
- B-2168 <-- Kiprianova I.A. IMV, B-1602. Ex: rhizosphere of *Cannabis* sp. (Medium 5, 30°C, F-1, S-5)
- B-2169 <-- Kiprianova I.A. IMV, B-1931. Ex: oil-bearing soil. (Medium 5, 30°C, F-1, S-5)
- B-2170 <-- Kiprianova I.A. IMV, B-2125. Ex: soil. (Medium 5, 30°C, F-1, S-5)
- B-2172 <-- Kiprianova I.A. IMV, B-881. Ex: roots of lucerne. Received as: "*Pseudomonas fluorescens* var. *pseudoiodinum*". (Medium 5, 30°C, F-1, S-5)
- B-2181 <-- Kiprianova I.A. IMV, B-2303. Ex: oil-bearing soil. (Medium 5, 30°C, F-1, S-5)

***Pseudomonas fragi*** (Eichholz 1902) Gruber 1905

- B-898 Type <-- INMI, VKM B-898 <-- Lysenko O. CCEB, CCEB 387. (ATCC 4973; CCUG 556; CFBP 4556; CIP 55.4; DSM 3456; HAMBI 28; IFO (now NBRC) 3458; LMG 2191; NCCB 69033; NCTC 10689; NRRL B-25; NRRL B-727). (Medium 5, 28°C, F-1, C-1, F-3) (1157, 1366)

***Pseudomonas lundensis*** Molin et al. 1986

- B-2183 Type <-- Kiprianova I.A. IMV, B-4231 <-- CCM, CCM 3503. (ATCC 49968; CCM 3503; CCUG 18757; CFBP 4564; CIP 103272; DSM 6252; LMG 13517). Ex: cooled meat. (Medium 5, 30°C, F-1, S-5)

***Pseudomonas mendocina*** Palleroni 1970

- B-972 Type <-- INMI, VKM B-972 <-- Solntseva L.I. CH 50 <-- Palleroni N J., CH 50. (ATCC 25411; CCUG 1781; CFBP 2434; CIP 75.21; DSM 50017; IFO (now NBRC) 14162; JCM 5966; LMG 1223; NCCB 76043; NCTC 10897). Ex: soil enrichment with ethanol as carbon source. (Medium 5, 28°C, F-1, C-1, F-3) (850, 1366)
- B-1299 <-- INMI, VKM B-1299 <-- Lysenko O. CCEB, CCEB 849. (Medium 5, 28°C, F-1, C-1, F-3)

***Pseudomonas oleovorans*** Lee and Chandler 1941

- B-1522 Type <-- INMI, VKM B-1522 <-- ATCC, ATCC 8062. (ATCC 8062; CCUG 2087; CFBP 5589; CIP 59.11; DSM 1045; IFO (now NBRC) 13583; JCM 11598; LMG 2229; NCTC 10692; NRRL B-778). (Medium 5, 28°C, F-1, C-1, F-3) (1366)

***Pseudomonas pictorum*** Gray and Thornton 1928

- B-1240 Type <-- INMI, VKM B-1240 <-- CCM, CCM 284. (ATCC 23328; NCIB 9152; NCIMB 9152; IMET 10400; CIP 103273). Ex: soil. (Medium 5, 28°C, F-1, C-1, F-3) (1366)

***Pseudomonas pseudoalcaligenes*** Stanier 1966

- B-1252 <-- INMI, VKM B-1252 <-- Kiprianova E.A. IMV, 2523. Ex: mud of brook, Ukraine, Kiev region. (Medium 5, 28°C, F-1, C-1, F-3) (415)
- B-1300 Type <-- INMI, VKM B-1300 <-- CCEB, CCEB 851. (ATCC 17440; CCEB 851; CCUG 51525; CFBP 2435; CIP 66.14; DSM 50188; IFO (now NBRC) 14167; JCM 5968; LMG 1225; NCCB 76045; NCTC 10860). Ex: Sinus discharge. (Medium 5, 28°C, F-1, C-1, F-3)

***Pseudomonas putida*** (Trevisan 1889) Migula 1895

- B-550 <-- INMI, VKM B-550 <-- VNIISHM, 55. Received as: "*Pseudomonas nonliquefaciens*" (Eisenberg) Bergey et al. 1923. Synonym: "*Pseudomonas eisenbergii*" Migula 1900, "*Pseudomonas ovalis*" Chester 1901, *Arthrobacter siderocapsulatus* Dubinina and Zhdanov 1975. (Medium 5, 28°C, F-1, C-1, F-3) (1528)
- B-869 <-- INMI, VKM B-869. Received as: "*Pseudomonas nonliquefaciens*" (Eisenberg) Bergey et al. 1923. Synonym: "*Pseudomonas eisenbergii*" Migula 1900, "*Pseudomonas ovalis*" Chester 1901, *Arthrobacter siderocapsulatus* Dubinina and Zhdanov 1975. Ex: soil. (Medium 5, 28°C, F-1, C-1, F-3) (1528)
- B-899 <-- INMI, VKM B-899 <-- Lysenko O. CCEB, CCEB 380. (ATCC 8209; DSM 1693; IFO

- 3738; NCIB 8296; NCIMB 8296; CCUG 555; BCRC 11903; CIP 59.17; BUCSAV 290; Smith N. R., 77 ("*Pseudomonas ovalis*"). Received as: "*Pseudomonas ovalis*". Synonym: "*Pseudomonas eisenbergii*" Migula 1900, "*Pseudomonas ovalis*" Chester 1901, *Arthrobacter siderocapsulatus* Dubinina and Zhdanov 1975. (Medium 5, 28°C, F-1, C-1, F-3)
- B-901 <-- INMI, VKM B-901 <-- CCEB, CCEB 520. (CCEB 520; Lysenko O., 50-3-3). Synonym: "*Pseudomonas eisenbergii*" Migula 1900, "*Pseudomonas ovalis*" Chester 1901, *Arthrobacter siderocapsulatus* Dubinina and Zhdanov 1975. (Medium 5, 28°C, F-1, C-1, F-3)
- B-973 <-- INMI, VKM B-973 <-- Solntseva L.I. INMI <-- Stanier R. Y., A90 . Synonym: "*Pseudomonas eisenbergii*" Migula 1900, "*Pseudomonas ovalis*" Chester 1901, *Arthrobacter siderocapsulatus* Dubinina and Zhdanov 1975. (Stanier R. Y., A90). (Medium 5, 28°C, F-1, C-1, F-3)
- B-1292 <-- INMI, VKM B-1292 <-- BTCC, BTCC 66. (BTCC 66). Received as: "*Pseudomonas eisenbergii*". Synonym: "*Pseudomonas eisenbergii*" Migula 1900, "*Pseudomonas ovalis*" Chester 1901, *Arthrobacter siderocapsulatus* Dubinina and Zhdanov 1975. (Medium 5, 28°C, F-1, C-1, F-3) (1528)
- B-1301 <-- INMI, VKM B-1301 <-- CCEB, CCEB 848. (CCEB 848). Synonym: "*Pseudomonas eisenbergii*" Migula 1900, "*Pseudomonas ovalis*" Chester 1901, *Arthrobacter siderocapsulatus* Dubinina and Zhdanov 1975. (Medium 5, 28°C, F-1, C-1, F-3) (1096, 1100, 1105, 1234, 1419)
- B-1459 <-- IBPM, IBPM, B-21 <-- Belikova V.L. IBPM, c-5-5. Synonym: "*Pseudomonas eisenbergii*" Migula 1900, "*Pseudomonas ovalis*" Chester 1901, *Arthrobacter siderocapsulatus* Dubinina and Zhdanov 1975. Ex: soil, Tadjikistan, Dushanbe. (Medium 5, 30°C, F-1, S-5) (6)
- B-1460 <-- IBPM, IBPM B-34 <-- Belikova V.L. IBPM, 19. Synonym: "*Pseudomonas eisenbergii*" Migula 1900, "*Pseudomonas ovalis*" Chester 1901, *Arthrobacter siderocapsulatus* Dubinina and Zhdanov 1975. Ex: soil, Tadjikistan, Dushanbe. (Medium 5, 30°C, F-1, S-5) (6)
- B-1461 <-- IBPM, IBPM B-39 <-- Belikova V.L. IBPM, 5-2. Synonym: "*Pseudomonas eisenbergii*" Migula 1900, "*Pseudomonas ovalis*" Chester 1901, *Arthrobacter siderocapsulatus* Dubinina and Zhdanov 1975. Ex: *Poa bulbosa*, Tadjikistan, Dushanbe. (Medium 5, 30°C, F-1, S-5) (6)
- B-1559 <-- IBPM, IBPM B-37 <-- Sorokina T.A. VNIISHMM, 595 C. Synonym: "*Pseudomonas eisenbergii*" Migula 1900, "*Pseudomonas ovalis*" Chester 1901, *Arthrobacter siderocapsulatus* Dubinina and Zhdanov 1975. (Medium 5, 30°C, F-1, S-5)
- B-2182 <-- Kiprianova E.A. IMV, B-2200. Synonym: "*Pseudomonas eisenbergii*" Migula 1900, "*Pseudomonas ovalis*" Chester 1901, *Arthrobacter siderocapsulatus* Dubinina and Zhdanov 1975. Ex: lake bottom sediments. (Medium 5, 30°C, F-1, S-5)
- B-2187 Type <-- VKPM, B-4589. (ATCC 12633; CCUG 12690; CFBP 2066; CIP 52.191; DSM 291; HAMBI 7; IFO (now NBRC) 14164; JCM 13063, 20120; LMG 2257; NCAIM B.01634; NCCB 72006, NCCB 68020; NCTC 10936). Synonym: "*Pseudomonas eisenbergii*" Migula 1900, "*Pseudomonas ovalis*" Chester 1901, *Arthrobacter siderocapsulatus* Dubinina and Zhdanov 1975. Ex: lactate enrichment. (Medium 5, 30°C, F-1, S-5)

***Pseudomonas* sp.**

- B-549 <-- INMI, VKM B-549 <-- VNIISHM, 640. Received as: "*Pseudomonas liquefaciens*" (Tataroff) Migula 1900. (Medium 5, 28°C, F-1, C-1, F-3)

***Pseudomonas* sp.**

- B-558 <-- INMI, VKM B-558 <-- VNIISHMM. Received as: "*Pseudomonas melochlora*" (Winkler and Schroter) Migula 1900. (Medium 5, 28°C, F-1, C-1, F-3)

***Pseudomonas* sp.**

B-559 <-- INMI, VKM B-559 <-- VNIISHMM. Received as: "*Pseudomonas radiobacter*". (Medium 5, 28°C, F-1, C-1, F-3)

***Pseudomonas* sp.**

B-877 <-- INMI, VKM B-877 <-- VNIISHMM, 319. Received as: "*Pseudomonas melochlora*" Migula 1900. (Medium 5, 28°C, F-1, C-1, F-3)

***Pseudomonas* sp.**

B-892 <-- INMI, VKM B-892 <-- CCEB, CCEB 525. (CCEB 525; NRRL B-1028; CIP 63.54). Received as: "*Pseudomonas denitrificans*" Bergey et al. 1923 Neotype. Ex: garden soil. (Medium 5, 30°C, F-1, C-1, F-3) (980)

***Pseudomonas* sp.**

B-1046 <-- INMI, VKM B-1046 <-- VNIISHM, 408. Received as: "*Pseudomonas gracilis*" Migula 1900. (Medium 5, 28°C, F-1, C-1, F-3)

***Pseudomonas* sp.**

B-1064 <-- INMI, VKM B-1064 <-- VNIISHM, 50. Received as: "*Pseudomonas berolinensis*" Migula 1895. (Medium 5, 28°C, F-1, C-1, F-3)

***Pseudomonas* sp.**

B-1291 <-- INMI, VKM B-1291 <-- BTCC, BTCC 348. Received as: "*Pseudomonas aromatica*" Migula 1900. (Medium 5, 28°C, F-1, C-1, F-3)

***Pseudomonas* sp.**

B-1293 <-- INMI, VKM B-1293 <-- BTCC, BTCC 1976. Received as: "*Pseudomonas mildenbergii*" Bergey et al. 1930. (Medium 5, 28°C, F-1, C-1, F-3)

***Pseudomonas stutzeri* (Lehmann and Neumann 1896) Sijderius 1946**

B-903 <-- INMI, VKM B-903 <-- CCEB, CCEB 522. (ATCC 11607; DSM 50227; NCTC 10475; NCIB 9721; NCIMB 9721; CCUG 711; CIP 63.21; CCEB 522). (Medium 5, 37°C, F-1, C-1, F-3)

B-975 Type <-- INMI, VKM B-975 <-- Solntseva L.I. INMI, 221 <-- Stanier R. Y., 221. (ATCC 17588; CCUG 11256; IFO 14165; JCM 5965; NCPPB 1973; NCIB 11358; NCIMB 11358; CIP 103022; IMTECH 101). Ex: spinal fluid. (Medium 5, 37°C, F-1, C-1, F-3) (1366)

B-1199 <-- INMI, VKM B-1199 <-- IBPM, IBPM B-167 <-- CCM, CCM 1950. Received as: "*Flavobacterium denitrificans*" (Jensen) Bergey et al. 1923. (Medium 5, 30°C, F-1, S-5) (502)

B-1303 <-- INMI, VKM B-1303 <-- CCEB, CCEB 859. (CCEB 859). (Medium 5, 37°C, F-1, C-1, F-3)

***Pseudomonas syringae* van Hall 1902**

B-1546 <-- CCM, CCM 2114. (CCM 2114; NCPPB 1072; CCUG 1826, 18843). Ex: *Pyrus communis*. (Medium 5, 28°C, F-1, C-1, F-3)

***Pseudomonas taetrolens* Haynes 1957**

B-904 Type <-- INMI, VKM B-904 <-- CCEB, CCEB 381. (ATCC 4683; CCUG 560; CFBP 5592; CIP 103299; JCM 20238; LMG 2336; NCTC 10697; NRRL B-14, B-731). (Medium 5, 28°C, F-1, C-1, F-3) (504, 1366)

***Pseudonocardia alni* (Evtushenko et al. 1989) Warwick et al. 1994**

Ac-901 Type <-- Sharaya L.S. IBPM, 3LS. (DSM 44104; IFO 14991; JCM 9103). Received as: *Nocardia autotrophica*. Synonym: *Amycolata alni* Evtushenko et al. 1989 Type. Former

name: *Amycolata autotrophica* (Takamiya and Tubaki 1956) Lechevalier et al. 1986, *Nocardia autotrophica* (Takamiya and Tubaki 1956) Hirsch 1961. Ex: speckledm alder, *Alnus incana*, root nodules, Moscow Region, Russia. (Medium 209, 28°C, F-1, C-1) (828, 1207, 2782)

Ac-914 <-- Sharaya L.S. IBPM, 6LS. Received as: *Nocardia autotrophica*. Synonym: *Amycolata alni* Evtushenko et al. 1989. Former name: *Amycolata autotrophica* (Takamiya and Tubaki 1956) Lechevalier et al. 1986, *Nocardia autotrophica* (Takamiya and Tubaki 1956) Hirsch 1961. Ex: soil, brushwood of black alder, *Alnus glutinosa*, Caucasus Reserve, Krasnodar Territory, Russia. (Medium 209, 28°C, F-1, C-1) (828, 1207)

Ac-915 <-- Sharaya L.S. IBPM, 11LS. Received as: *Nocardia autotrophica*. Synonym: *Amycolata alni* Evtushenko et al. 1989. Former name: *Amycolata autotrophica* (Takamiya and Tubaki 1956) Lechevalier et al. 1986, *Nocardia autotrophica* (Takamiya and Tubaki 1956) Hirsch 1961. Ex: speckled alder, *Alnus incana*, root nodules, Moscow Region, Russia. (Medium 209, 28°C, F-1) (828, 1207)

Ac-916 <-- Sharaya L.S. IBPM, 24LS. Received as: *Nocardia autotrophica*. Synonym: *Amycolata alni* Evtushenko et al. 1989. Former name: *Amycolata autotrophica* (Takamiya and Tubaki 1956) Lechevalier et al. 1986, *Nocardia autotrophica* (Takamiya and Tubaki 1956) Hirsch 1961. Ex: speckled alder, *Alnus incana*, root nodules, Russia. (Medium 209, 28°C, F-1) (828)

Ac-917 <-- Sharaya L.S. IBPM, 26LS. Received as: *Nocardia autotrophica*. Synonym: *Amycolata alni* Evtushenko et al. 1989. Former name: *Amycolata autotrophica* (Takamiya and Tubaki 1956) Lechevalier et al. 1986, *Nocardia autotrophica* (Takamiya and Tubaki 1956) Hirsch 1961. Ex: rhizosphere of black alder, *Alnus glutinosa*, Russia. (Medium 209, 28°C, F-1) (828)

Ac-1066 <-- NCIMB, NCIB 8939. (ATCC 13181; DSM 43095; IMRU 1337; NCIMB 8939). Received as: *Nocardia autotrophica*. Synonym: *Amycolata alni* Evtushenko et al. 1989. Former name: *Amycolata autotrophica* (Takamiya and Tubaki 1956) Lechevalier et al. 1986, *Nocardia autotrophica* (Takamiya and Tubaki 1956) Hirsch 1961. Ex: air-borne contaminant of a broth culture of *Mycobacterium tuberculosis*. (Medium 209, 28°C, F-1, C-1) (739, 828)

***Pseudonocardia autotrophica*** (Takamiya and Tubaki 1956) Warwick et al. 1994

Ac-941 Type <-- Schlegel H.G., DSM 535. (ISP 5011; RIA 1008; ATCC 19727; CBS 466.68; CIP 107114; DSM 535, 40011, 43210; IFO 12743; IMET 7646; JCM 4348; NCIMB 9810; NRRL B-11275). Received as: *Nocardia autotrophica*. Synonym: *Amycolata autotrophica* (Takamiya and Tubaki 1956) Lechevalier et al. 1986 Type, *Nocardia autotrophica* (Takamiya and Tubaki 1956) Hirsch 1961 Type, "*Streptomyces autotrophicus*" Takamiya and Tubaki 1956. Ex: contaminant in a phosphate buffer solution. (Medium 209, 28°C, F-1, C-1) (292, 808, 816, 828, 945, 1357, 2782)

Ac-1065 <-- DSM, DSM 43103. (DSM 651, 43103, 43211; IMRU 1577). Received as: *Nocardia autotrophica*. Synonym: *Amycolata autotrophica* (Takamiya and Tubaki 1956) Lechevalier et al. 1986, *Nocardia autotrophica* (Takamiya and Tubaki 1956) Hirsch 1961. (Medium 64, 28°C, F-1, C-1) (739, 828)

Ac-1067 <-- JCM, JCM 4010. (JCM 4010; KCTC 9567). Received as: *Nocardia autotrophica*. Synonym: *Amycolata autotrophica* (Takamiya and Tubaki 1956) Lechevalier et al. 1986, *Nocardia autotrophica* (Takamiya and Tubaki 1956) Hirsch 1961, "*Streptomyces autotrophicus*" Takamiya and Tubaki 1956. (Medium 209, 28°C, F-1, C-1) (828)

Ac-1068 <-- DSM, DSM 43098. (DSM 652, 43098; IMRU 1398). Received as: *Nocardia autotrophica*. Synonym: *Amycolata autotrophica* (Takamiya and Tubaki 1956) Lechevalier et al. 1986, *Nocardia autotrophica* (Takamiya and Tubaki 1956) Hirsch 1961. (Medium 64, 28°C, F-1, C-1) (739, 828)

***Pseudonocardia compacta*** Henssen et al. 1983

Ac-897 Type <-- Vobis G., MB H-146. (ATCC 35407; CBS 160.82; DSM 43592; IFO 14343; JCM

7438; NRRL B-16170). Ex: garden soil, Germany, Marburg. (Medium 190, 28°C, F-1, C-1) (388, 1357)

***Pseudonocardia halophobica*** (Akimov et al. 1989) McVeigh et al. 1994

Ac-1069 Type <-- DSM, DSM 43089. (ATCC 51535; DSM 656, 43089; IFO 15048; IMRU 1300; JCM 9421; NRRL B-16514). Received as: *Nocardia autotrophica*. Synonym: *Pseudoamycolata halophobica* Akimov et al. 1989 Type. Former name: *Amycolata autotrophica* (Takamiya and Tubaki 1956) Lechevalier et al. 1986, *Nocardia autotrophica* (Takamiya and Tubaki 1956) Hirsch 1961. Ex: soil. (Medium 64, 28°C, F-1, C-1) (739, 830, 2783)

Ac-1078 <-- DSM, DSM 43092. (DSM 657, 43092; IFO 15047; IMRU 1333). Received as: *Nocardia autotrophica*. Synonym: *Pseudoamycolata halophobica* Akimov et al. 1989. Former name: *Amycolata autotrophica* (Takamiya and Tubaki 1956) Lechevalier et al. 1986, *Nocardia autotrophica* (Takamiya and Tubaki 1956) Hirsch 1961. Ex: soil. (Medium 64, 28°C, F-1, C-1) (739, 830)

***Pseudonocardia hydrocarbonoxydans*** (Nolof and Hirsch 1962) Warwick et al. 1994

Ac-799 Type <-- DSM, DSM 43281. (ATCC 15104; DSM 43281; IFO 14498; IMET 7645; JCM 3392; NCIMB 9436; NRRL B-16171). Received as: *Nocardia hydrocarbonoxydans*. Synonym: *Amycolata hydrocarbonoxydans* (Nolof and Hirsch 1962) Lechevalier et al. 1986 Type, *Nocardia hydrocarbonoxydans* Nolof and Hirsch 1962 Type. Ex: air contaminant on silica gel plate flooded with mineral medium. (Medium 183, 28°C, F-1, C-1) (292, 787, 808, 1357, 2782)

***Pseudonocardia kongjuensis*** Lee et al. 2001

Ac-2517 Type <-- DSM, DSM 44525. (DSM 44525; IMSNU 50583; JCM 11896 KCTC 9990; NBRC 100380). Ex: gold mine cave, Korea, Kongju. (Medium 184, 28°C, F-1)

***Pseudonocardia petroleophila*** (Hirsch and Engel 1956) Warwick et al. 1994

Ac-782 <-- Prauser H., IMET 7265. (IMET 7265). (Medium 183, 28°C, F-1)

Ac-865 Type <-- ATCC, ATCC 15777. (ATCC 15777; BCRC 13694; CIP 104515; DSM 655, 43193; IFM 0243; IFO 14406; IMET 7162; JCM 3378, 3394; NCIMB 9438; NRRL B-3075, B-16301). Received as: *Nocardia petroleophila*. Synonym: *Nocardia petroleophila* Hirsch and Engel 1956 Type. Ex: soil. (Medium 183, 28°C, F-1) (712, 769, 945, 989, 2782)

***Pseudonocardia saturnea*** (Hirsch 1960) Warwick et al. 1994

Ac-781 Type <-- Prauser H., IMET 7165. (ATCC 15809; CBS 615.67; DSM 43195; IFO 14499; IMET 7647; IMRU 1181; JCM 3187 NCIMB 9437; NRRL B-16172). Received as: *Nocardia saturnea*. Synonym: *Amycolata saturnea* (Hirsch 1960) Lechevalier et al. 1986 Type, *Nocardia saturnea* Hirsch 1960 Type. Ex: air contaminant on silica gel plate. (Medium 210, 28°C, F-1, C-1) (712, 808, 945, 1357, 2782)

***Pseudonocardia thermophila*** Henssen 1957

Ac-896 Type <-- Henssen A., MB A-18. (ATCC 19285; CBS 277.66; BCRC 12539; DSM 43832; IFO 15559; JCM 3095; NCIMB 10079). Ex: fresh horse dung. (Medium 59, 45°C, F-1, C-1) (265, 292, 913, 945)

***Pseudonocardia yunnanensis*** (Jiang et al. 1991) Huang et al. 2002

Ac-1991 Type <-- JCM, JCM 9330. (DSM 44253; IFO 15681; JCM 9330). Received as: *Actinobispora yunnanensis*. Synonym: *Actinobispora yunnanensis* Jiang et al. 1991 Type. Ex: soil, China, Weixin, Yunnan. (Medium 225, 28°C, F-1) (3303)

***Psychrobacter arcticus*** Bakermans et al. 2006

B-2377 Type <-- Bakermans C., MSU, 273-4 (273-4, DSM 17307). Ex: northern Arctic permafrost

sediment cores, Kolyma lowland, Siberia, Russia. (Medium 242, 22°C, F-3)

***Psychrobacter cryohalolentis*** Bakermans et al. 2006

B-2378 Type <-- Bakermans C., MSU, K5 (K5, DSM 17306). Ex: cryopeg, frozen salt lens, permafrost, Kolyma lowland, Siberia, Russia. (Medium 242, 22°C, F-3)

***Rathayibacter caricis*** Dorofeeva et. al. 2002

Ac-1799 Type <-- IBPM, DL-362. (UCM Ac-618; JCM 13576) Ex: phylloplane of *Carex* sp. Belgorod region, Russia. (Medium 166, 28°C, F-1)

***Rathayibacter festucae*** Dorofeeva et. al. 2002

Ac-1390 Type <-- IBPM, DL-90. (UCM Ac-619; JCM 13577) Ex: *Festuca* sp., leaf gall induced by the plant parasitic nematode, *Anguina graminis*, Moscow region, Russia. (Medium 166, 28°C, F-1)

***Rathayibacter iranicus*** (Carlson and Vidaver 1982) Zgurskaya et al. 1993

Ac-1602 Type <-- ICMP, ICMP 3496. (CCUG 23897; CIP 104037; DSM 7484; ICMP 3496; ICPB CI148; JCM 9308; LMG 3677; NCPPB 2253). Received as: *Clavibacter iranicus*.  
Synonym: *Clavibacter iranicus* (Carlson and Vidaver 1982) Davis et al. 1984 Type, *Corynebacterium iranicum* (ex Scharif 1961) Carlson and Vidaver 1982 Type, "*Corynebacterium iranicum*" Scharif 1961. Ex: wheat, *Triticum aestivum*, Iran. (Medium 166, 28°C, F-1) (292, 1334, 1338)

***Rathayibacter rathayi*** (Smith 1913) Zgurskaya et al. 1993

Ac-1601 Type <-- ICMP, ICMP 2574. (CIP 104036; DSM 7485; ICMP 2574; JCM 9307; LMG 7288; NCPPB 2980). Received as: *Clavibacter rathayi*. Synonym: *Clavibacter rathayi* (Smith 1913) Davis et al. 1984 Type, *Corynebacterium rathayi* (Smith 1913) Dowson 1942 Type. Ex: *Dactylis glomerata*, New Zealand. (Medium 166, 28°C, F-1) (292, 1338)

***Rathayibacter toxicus*** (Riley and Ophel 1992) Sasaki et al. 1998

Ac-1600 <-- ICMP, ICMP 6309. (ICMP 6309). Received as: *Corynebacterium* sp. Synonym: *Clavibacter toxicus* Riley and Ophel 1992. Ex: canary, *Phalaris minor* Retz., Australia. (Medium 166, 28°C, F-1) (1338)

***Rathayibacter tritici*** (Carlson and Vidaver 1982) Zgurskaya et al. 1993

Ac-1603 Type <-- ICMP, ICMP 2626. (ATCC 11403; CCUG 23914; CIP 104038; DSM 7486; ICMP 2626; JCM 9309; LMG 3728; NCPPB 1857). Received as: *Clavibacter tritici*. Synonym: *Clavibacter tritici* (Carlson and Vidaver 1982) Davis et al. 1984 Type, *Corynebacterium tritici* (ex Hutchinson 1917) Carlson and Vidaver 1982 Type, "*Corynebacterium tritici*" (Hutchinson 1917) Burkholder 1948. Ex: wheat, *Triticum aestivum*, Egypt. (Medium 166, 28°C, F-1) (292, 1338)

***Rhizobium leguminosarum*** (Frank 1879) Frank 1889

B-100 <-- INMI, VKM B-100 <-- VNIISHM, 209a. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: pea, *Pisum sativum*, Russia, Penza region. (Medium 72, 28°C, F-1, C-1, F-3)

B-101 <-- INMI, VKM B-101 <-- VNIISHM, 327a. Received as: Synonym: *Rhizobium trifolii*. Synonym: *Rhizobium trifolii* Dangeard 1926. (Medium 72, 28°C, F-1, C-1, F-3)

B-115 <-- INMI, VKM B-115 <-- VNIISHM, 144. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: nitragin (produced in Sweden). (Medium 72, 28°C, F-1, C-1, F-3) (1609)

B-118 <-- INMI, VKM B-118 <-- VNIISHM, 332a. Received as: Synonym: *Rhizobium trifolii*. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: nitragin (produced in Sweden). (Medium 72, 28°C, F-1, C-1, F-3)

B-1002 <-- INMI, VKM B-1002 <-- VNIISHM, 85. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: *Vicia faba*, Russia, Leningrad region. (Medium 161, 28°C, F-1, C-1, F-3)

- B-1003 <-- INMI, VKM B-1003 <-- VNIISHM, 93. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: *Vicia faba*, Lithuania. (Medium 72, 28°C, F-1, C-1, F-3)
- B-1004 <-- INMI, VKM B-1004 <-- VNIISHM, 95. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: *Vicia faba*, Lithuania. (Medium 72, 28°C, F-1, C-1, F-3)
- B-1005 <-- INMI, VKM B-1005 <-- VNIISHM, 132. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: *Vicia sativa*, Russia, Moscow region. (Medium 161, 28°C, F-1, C-1, F-3)
- B-1006 <-- INMI, VKM B-1006 <-- VNIISHM, 146. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: *Vicia costata*, Russia, Novosibirsk region. (Medium 161, 28°C, F-1, C-1, F-3)
- B-1007 <-- INMI, VKM B-1007 <-- VNIISHM, 147. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: *Vicia crassa*, Altai. (Medium 161, 28°C, F-1, C-1, F-3)
- B-1008 <-- INMI, VKM B-1008 <-- VNIISHM, 225a. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: *Pisum* sp., Russia, Leningrad region. (Medium 72, 28°C, F-1, C-1, F-3)
- B-1012 <-- INMI, VKM B-1012 <-- VNIISHM, 343. Received as: Synonym: *Rhizobium trifolii*. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: *Trifolium* sp. (Medium 72, 28°C, F-1, C-1, F-3)
- B-1013 <-- INMI, VKM B-1013 <-- VNIISHM, 311a. Received as: Synonym: *Rhizobium trifolii*. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: *Trifolium* sp., Latvia. (Medium 72, 28°C, F-1, C-1, F-3)
- B-1014 <-- INMI, VKM B-1014 <-- VNIISHM, 318a. Received as: Synonym: *Rhizobium trifolii*. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: *Trifolium* sp., Russia, Leningrad region. (Medium 72, 28°C, F-1, C-1, F-3)
- B-1015 <-- INMI, VKM B-1015 <-- VNIISHM, 331a. Received as: Synonym: *Rhizobium trifolii*. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: *Trifolium* sp., Russia, Leningrad region. (Medium 72, 28°C, F-1, C-1, F-3)
- B-1016 <-- INMI, VKM B-1016 <-- VNIISHM, 307a. Received as: Synonym: *Rhizobium trifolii*. Synonym: *Rhizobium trifolii* Dangeard 1926. Ex: *Trifolium* sp., Russia, Nizhnii-Novgorod region. (Medium 72, 28°C, F-1, C-1, F-3)

***Rhizobium lupini*** (Schroeter 1886) Eckhardt et al. 1931

- B-1018 <-- INMI, VKM B-1018 <-- VNIISHM, 369a. Ex: *Lupinus* sp., Russia, Leningrad region. (Medium 161, 28°C, F-1, C-1, F-3)
- B-1019 <-- INMI, VKM B-1019 <-- VNIISHM, 561. Ex: *Ornithopus sativa*, Russia, Bryansk region. (Medium 161, 28°C, F-1, C-1, F-3)
- B-1965 Type <-- DSM, DSM 30140. (ATCC 10319; DSM 30140). Ex: *Lupinus angustifolius*. (Medium 161, 28°C, F-1, C-1, F-3) (1016, 1366)

***Rhizobium phaseoli*** Dangeard 1926

- B-1023 <-- INMI, VKM B-1023 <-- VNIISHM, 683. Ex: *Phaseolus vulgaris*, Azerbaijan. (Medium 161, 28°C, F-1, C-1, F-3)
- B-1024 <-- INMI, VKM B-1024 <-- VNIISHM, 686. Ex: *Phaseolus vulgaris*, Armenia. (Medium 161, 28°C, F-1, C-1, F-3)
- B-1025 <-- INMI, VKM B-1025 <-- VNIISHM, 692. Ex: *Phaseolus* sp., Russia, Orenburg region. (Medium 161, 28°C, F-1, C-1, F-3)
- B-1966 Type <-- DSM, DSM 30137. (ATCC 14482 (*Rhizobium leguminosarum* bv. *phaseoli*); DSM 30137). (Medium 72, 28°C, F-1, C-1, F-3) (1366)

***Rhizobium pisi*** Ramírez-Bahena et al. 2008

- B-1964 <-- DSM, DSM 30132. (DSM 30132; NCIMB 11478). Ex: *Pisum sativum*. (Medium 72, 28°C, F-1, C-1, F-3) (1366)

***Rhizobium radiobacter*** (Beijerinck and van Delden 1902) Young et al. 2001

- B-1047 <-- INMI, VKM B-1047 <-- VNIISHM, 166. Received as: "*Pseudomonas tumefaciens*". Synonym: . Synonym: *Agrobacterium radiobacter* (Beijerinck and van Delden 1902) Conn 1942 emend. Sawada et al. 1993, *Agrobacterium tumefaciens* (Smith and Townsend 1907)

Conn 1942, "*Alcaligenes radiobacter*" (Beijerinck and van Delden 1902) Conn 1939, "*Pseudomonas radiobacter*" (Beijerinck and van Delden 1902) Krasil'nikov 1949. (Medium 5, 28°C, F-1, C-1, F-3)

B-1218 <-- INMI, VKM B-1218 <-- CCM, CCM 2054. (CCM 2054). Received as: *Agrobacterium radiobacter*. Synonym: *Agrobacterium radiobacter* (Beijerinck and van Delden 1902) Conn 1942 emend. Sawada et al. 1993, *Agrobacterium tumefaciens* (Smith and Townsend 1907) Conn 1942, "*Alcaligenes radiobacter*" (Beijerinck and van Delden 1902) Conn 1939, "*Pseudomonas radiobacter*" (Beijerinck and van Delden 1902) Krasil'nikov 1949. (Medium 5, 28°C, F-1, C-1, F-3)

B-1219 <-- INMI, VKM B-1219 <-- CCM, CCM 1037. (CCM 1037). Received as: *Agrobacterium tumefaciens*. Synonym: *Agrobacterium radiobacter* (Beijerinck and van Delden 1902) Conn 1942 emend. Sawada et al. 1993, *Agrobacterium tumefaciens* (Smith and Townsend 1907) Conn 1942, "*Alcaligenes radiobacter*" (Beijerinck and van Delden 1902) Conn 1939, "*Pseudomonas radiobacter*" (Beijerinck and van Delden 1902) Krasil'nikov 1949. Ex: *Malus silvestris*. (Medium 5, 28°C, F-1, C-1, F-3)

B-1573 <-- IBPM, IBPM B-48 <-- INMIA <-- BUCSAV, BU-147. (ATCC 4720; NCIB 8150; IAM 1524; CCM 1000; DSM 30150; Baldwin I.L. A 1). Received as: *Agrobacterium tumefaciens*. Synonym: *Agrobacterium radiobacter* (Beijerinck and van Delden 1902) Conn 1942 emend. Sawada et al. 1993, *Agrobacterium tumefaciens* (Smith and Townsend 1907) Conn 1942, "*Alcaligenes radiobacter*" (Beijerinck and van Delden 1902) Conn 1939, "*Pseudomonas radiobacter*" (Beijerinck and van Delden 1902) Krasil'nikov 1949. (Medium 5, 30°C, F-1, S-5)

***Rhizobium* sp.**

B-116 <-- INMI, VKM B-116 <-- Pumpyanskaya L.V. VNIISHM, 84. Ex: Food beans, *Vicia faba*, Russia, Leningrad region. (Medium 161, 28°C, F-1, C-1, F-3)

***Rhizobium* sp.**

B-872 <-- INMI, VKM B-872 <-- VNIISHM, 33. Received as: "*Rhizobium arachis*". Ex: ground nut, *Arachis hypogaea*. (Medium 161, 28°C, F-1, C-1, F-3)

***Rhizobium* sp.**

B-873 <-- INMI, VKM B-873 <-- VNIISHM, 561. Received as: "*Rhizobium ornithopi*" (Beijerinck) Krassilnikov 1949. Ex: *Ornithopus* sp. (Medium 161, 28°C, F-1, C-1, F-3)

***Rhizobium* sp.**

B-1026 <-- INMI, VKM B-1026 <-- VNIISHM, 820. Received as: "*Rhizobium simplex*" Dangeard 1926. Ex: *Onobrychis* sp., Ukraine. (Medium 72, 28°C, F-1, C-1, F-3)

***Rhizobium* sp.**

B-1027 <-- INMI, VKM B-1027 <-- VNIISHM, 814. Received as: "*Rhizobium simplex*" Dangeard 1926. Ex: *Onobrychis* sp., Armenia. (Medium 161, 28°C, F-1, C-1, F-3)

***Rhodobacter sphaeroides* (van Niel 1944) Imhoff et al. 1984**

B-1618 <-- KM MGU, 8259. Synonym: *Rhodopseudomonas sphaeroides* van Niel 1944. (Medium 197, 25°C, anaerobic in light, F-2, S-2)

***Rhodoblastus sphagnicola* Kulichevskaya et al. 2006.**

B-2361 Type <-- Kulichevskaya I.S., RS (RS, DSM 16996). Ex: acidic Sphagnum peat bog (Sosvyatskoe), Tver region, Russia. (Medium 247 with methanol 0.01-1%, 25-30°C, F-1, S-2).

***Rhodococcus coprophilus* Rowbotham and Cross 1979**

Ac-571 Type <-- INMI, VKM A-571 <-- Cross T., CUB 687. (ATCC 29080; CBS 313.75; CIP

104178; DSM 43347; JCM 3200; LMG 5357; NBRC 100603; NCIMB 11211; NCTC 10994; NRRL B-16537). Ex: lake mud, Hawksworth Mere, U.K., West Yorkshire. (Medium 183, 28°C, F-1, C-1) (292, 370, 518, 945)

Ac-2270 <-- INMI, VKM B-1044 <-- VNIISHM, 2 Received as: "*Micrococcus corallinus*" Contani 1898. (Medium 183, 28°C, F-1, C-1)

***Rhodococcus corynebacterioides*** (Serrano et al. 1972) Yassin and Schaal 2005

Ac-870 Type <-- Serrano J.A., 1240. (ATCC 14898; CIP 104510; DSM 20151; JCM 3376, 3391; NBRC 14404; NCIMB 9433; NCTC 10391; NRRL B-24037). Received as: *Nocardia corynebacterioides*. Synonym: *Nocardia corynebacterioides* Serrano et al. 1972 Type. Former name: "*Corynebacterium rubrum*" Crowle 1962. Ex: air contaminant of culture medium. (Medium 183, 30°C, F-1, C-1) (200, 515)

***Rhodococcus equi*** (Magnusson 1923) Goodfellow and Alderson 1977

Ac-953 Type <-- Nesterenko O.A. IMV, R-71 <-- Goodfellow M., R-71. (ATCC 6939, 25729; CIP 54.72; DSM 20307; IFO 14956; JCM 1311, 3209; LMG 18452; NCTC 1621; NRRL B-16538). Synonym: *Corynebacterium equi* Magnusson 1923 Type. Ex: lung abscesses of foal. (Medium 183, 28°C, F-1, C-1) (517)

Ac-957 <-- Nesterenko O.A., IMV, IMRU 545 <-- Trejo R.H. USA. (ATCC 14887; DSM 43199; IMET 7279; JCM 3223; LMG 7335; NCIMB 10027). Received as: *Nocardia restricta*. Synonym: *Nocardia restricta* (Turfitt 1944) McClung 1974 Type, "*Rhodococcus aquosus*" Nesterenko 1985 Type. (Medium 183, 28°C, F-1, C-1) (945, 2779)

Ac-2173 <-- VKM, VKM B-1103 <-- INMI, VKM B-1103 <-- Dobrovolskaya T.G DSB MGU, ATCC 13556. (ATCC 13556). Former name: *Mycococcus* sp. (Medium 183, 30°C, F-1, C-1)

***Rhodococcus erythropolis*** (Gray and Thornton 1928) Goodfellow and Alderson 1979

Ac-858 Type <-- Belikova V.L. IBPM, CCM 277. (VKM Ac-1337; ATCC 4277, 25544; CBS 266.39; CCM 277; CIP 104179; DSM 43066; IFO 15567; JCM 3201; LMG 5359; NCIMB 9158, 11148; NCTC 13021; NRRL B-16025). Received as: "*Nocardia erythropolis*". Synonym: "*Mycobacterium erythropolis*" Gray and Thornton 1928. Ex: soil. (Medium 183, 28°C, F-1, C-1) (517, 1366)

Ac-859 <-- IBPM, IBPM B-278. (ATCC 19370; CCM 279; JCM 7475; NCIMB 9159). Received as: *Nocardia globerula* (Gray 1928) Waksman and Henrici 1948 Type. Ex: soil, treated by scatole (methylindole), U.K. (Medium 183, 28°C, F-1, C-1) (517)

Ac-1150 <-- INMI, VKM B-353 <-- IIWB, M-28. Received as: "*Mycobacterium hyalinum*" Sohngen 1913. Ex: water and silt, Rybinsk Reservoir, Russia. (Medium 64, 28°C, F-1, C-1) (945, 2430)

Ac-1152 <-- INMI, VKM B-355 <-- IIWB, M-42. Received as: "*Mycobacterium lacticola*" Lehmann and Neumann 1927. Ex: water and silt, Rybinsk Reservoir, Russia. (Medium 64, 28°C, F-1) (945, 1321)

Ac-1161 <-- INMI, VKM B-462 <-- Sturm L.D. INMI, 195. Received as: "*Mycobacterium mucosum*" Krassilnikov 1941. Ex: ozokerite stratum, Borislav ozokerite field, Ukraine. (Medium 64, 28°C, F-1, C-3) (98, 945, 1630)

Ac-1164 <-- INMI, VKM B-850 <-- VNIISHM. Received as: "*Mycobacterium perrugosum*" Krassilnikov 1941. (Medium 64, 28°C, F-1) (945, 1194, 1630)

***Rhodococcus fascians*** (Tilford 1936) Goodfellow 1984

Ac-594 <-- INMI, VKM A-594 <-- Nesterenko O.A. IMV, IMV 385. (IMV 385; ATCC 35014; DSM 43673; JCM 6162; LMG 5360; NCIMB 11743; NRRL B-16939). Received as: *Rhodococcus luteus*. Synonym: *Rhodococcus luteus* (ex Sohngen 1913) Nesterenko et al. 1982 Type. Ex: soil, impregnated with oil, oil and gas field, Ukraine, Poltava. (Medium 183, 28°C, F-1, C-1) (382, 945, 1357, 2777)

Ac-960 <-- Nesterenko O.A. IMV, 587 <-- Gordon R., 587. Received as: *Rhodococcus luteus* (ex

Sohnngen 1913) Nesterenko et al. 1982. (Medium 183, 28°C, F-1, C-1) (382, 945)  
Ac-1163 <-- INMI, VKM B-849 <-- VNIISHM. Received as: "*Mycobacterium luteum*" Sohnngen  
1913. (Medium 183, 28°C, F-1)  
Ac-1169 <-- INMI, B-868 <-- Korenyako A.I., INMI. Received as: "*Mycobacterium luteum*" Sohnngen  
1913. Ex: soil. (Medium 64, 28°C, F-1) (382, 945, 1661)  
Ac-1462 Type <-- ICMP, ICMP 5833 <-- ATCC 12974. (ATCC 12974; CIP 104713; DSM 20669;  
ICMP 5833; IFO 12155; JCM 10002; LMG 3623; NRRL B-16937). Synonym:  
*Corynebacterium fascians* (Tilford 1936) Dowson 1942 Type, "*Phytomonas fascians*"  
Tilford 1936. (Medium 166, 28°C, F-1) (292, 2727)

***Rhodococcus marinonascens*** Helmke and Weyland 1984

Ac-1182 Type <-- DSM, DSM 43752. (ATCC 35653; CIP 104177; DSM 43752; IFO 14363; JCM  
6241; NRRL B-16940). Ex: marine bottom sediments, North Atlantic Ridge. (Medium 81,  
20°C, F-1, C-1) (805)

***Rhodococcus rhodnii*** Goodfellow and Alderson 1979

Ac-1187 Type <-- RIA, RIA 1613 <-- KCC, KCC A-0203. (RIA 1613; ATCC 35071; CIP 104181;  
DSM 43336; JCM 3203; LMG 5363; NBRC 100604; NCIMB 11279; NRRL B-16535).  
Ex: reduvid bug, *Rhodnius prolixus*. (Medium 183, 28°C, F-1, C-1) (292, 517)

***Rhodococcus rhodochrous*** (Zopf 1891) Tsukamura 1974 emend. Rainey et al. 1995

Ac-780 <-- INA, ATCC 999. (ATCC 999; CIP 104495; IAM 12126; JCM 2157; NCIMB 9948).  
Received as: "*Nocardia corallina*" (Bergey et al. 1923) Waksman and Henrici 1948.  
(Medium 183, 28°C, F-1, C-1) (803)  
Ac-860 <-- Belikova V.L. IBPM, CCM 3245. (RIA 628; ATCC 4273; CCM 3245; CIP 104623; DSM  
43269; IAM 12121; IFO 3338; IMET 7018; JCM 3010; LMG 4077; NCIMB 9259).  
Received as: "*Nocardia corallina*" (Bergey et al. 1923) Waksman and Henrici 1948.  
(Medium 183, 64, 37°C, F-1, C-1) (803)  
Ac-1227 Type <-- JCM, JCM 3202 <-- KCC, KCC A-0202. (VKM Ac-1338; ATCC 13808; CIP  
104376; DSM 43241; IFO 16069; JCM 3202; LMG 5365; NCTC 10210; NCIMB 11147;  
NRRL B-2149, B-16536). Ex: soil. (Medium 183, 28°C, F-1, C-1) (517, 945, 949, 1357)  
Ac-1282 <-- RIA, RIA 451. Received as: "*Nocardia rubra*" (Krassilnikov 1941) Waksman and  
Henrici 1948. (Medium 183, 28°C, F-1, C-1)  
Ac-1283 <-- RIA, RIA 408. Received as: "*Nocardia rubra*" (Krassilnikov 1941) Waksman and  
Henrici 1948. (Medium 183, 28°C, F-1, C-1)

***Rhodococcus ruber*** (Kruse 1896) Goodfellow and Alderson 1977

Ac-1021 Type <-- Nesterenko O.A. IMV, M-1 <-- Tsukamura M., M-1. (CIP 104180; DSM 43338;  
IFO 15591; JCM 3205; LMG 5366). Another names: "*Rhodococcus lentifragmentus*"  
(Kruse 1896) Tsukamura 1978, "*Gordonia lentifragmenta*" (Kruse 1896) Tsukamura et al.  
1975. (Medium 190, 28°C, F-1, C-1) (517, 945, 1357)  
Ac-1167 <-- INMI, B-855 <-- KM MGU, B4a. Received as: "*Mycobacterium rubrum* var.  
*propanicum*" Bokova 1947. Ex: stratum waters of gas field. (Medium 64, 28°C, F-1) (96,  
97, 1255, 1630, 2430)

***Rhodococcus* sp.**

Ac-857 Type <-- Belikova V.L. IBPM, ATCC 17041. (ATCC 17041). Received as: *Nocardia*  
*coeliaca* (Gray and Thornton 1928) Waksman and Henrici 1948 Type. Ex: soil. (Medium  
183, 28°C, F-1, C-1) (739)

***Rhodococcus* sp.**

Ac-950 <-- Nesterenko O.A. IMV, IMV 36. Received as: "*Rhodococcus flavus*" Nesterenko 1985  
Type. Ex: soil, Ukraine. (Medium 183, 28°C, F-1, C-1) (945)

***Rhodococcus* sp.**

Ac-952 <-- Nesterenko O.A. IMV, IMV 250. Received as: "*Rhodococcus longus*" Nesterenko 1985 Type. Ex: soil, oil and gas field, Ukraine, Poltava. (Medium 183, 28°C, F-1, C-1) (945)

***Rhodococcus* sp.**

Ac-954 <-- Nesterenko O.A. IMV, CBS 330.61. Received as: "*Rhodococcus opacus*" (den Dooren de Jong 1927) Nesterenko 1985 Type. Former name: "*Nocardia opaca*" (den Dooren de Jong 1927) Waksman and Henrici 1948. (Medium 183, 28°C, F-1, C-1) (945)

***Rhodococcus* sp.**

Ac-1148 <-- INMI, VKM B-89 <-- Voznyakovskaya Y.A. VNIISHM. Received as: "*Mycobacterium rubrum*" (Sohngen 1913) Krassilnikov 1941. (Medium 64, 28°C, F-1) (10)

***Rhodococcus* sp.**

Ac-1151 <-- INMI, VKM B-354 <-- IIWB, M-52. Received as: "*Mycobacterium hyalinum*" Sohngen 1913. Ex: water and silt, Rybinsk Reservoir, Russia. (Medium 64, 28°C, F-1, C-1)

***Rhodococcus* sp.**

Ac-1153 <-- INMI, VKM B-356 <-- IIWB, M-48. Received as: "*Mycobacterium lacticola*" Lehmann and Neumann 1927. Ex: water and silt, Rybinsk Reservoir, Russia. (Medium 64, 28°C, F-1)

***Rhodococcus* sp.**

Ac-1157 <-- INMI, VKM B-648 <-- VNIISHM 339. Received as: *Mycobacterium phlei* Lehmann and Neumann 1899. Ex: winter wheat, ear. (Medium 64, 28°C, F-1)

***Rhodococcus* sp.**

Ac-1162 <-- INMI, VKM B-817 <-- KM MGU. Received as: *Mycobacterium smegmatis* (Trevisan) Lehmann and Neumann 1899. (Medium 64, 28°C, F-1)

***Rhodococcus* sp.**

Ac-1186 <-- Nesterenko O.A. IMV, IMV 19. Received as: "*Rhodococcus opacus*" (den Dooren de Jong 1927) Nesterenko 1985. Former name: "*Nocardia ucrainica*". (Medium 183, 28°C, F-1, C-1)

***Rhodococcus* sp.**

Ac-1229 <-- Belikova V.L. IBPM, IBPM B-293. Received as: *Nocardia* sp. 1AS. Former name: "*Rhodococcus minimus*". Ex: soil, polluted by oil, Kuleshovskoye field, Russia, Samara Region. (Medium 183, 28°C, F-1, C-1) (1149, 1720, 1721, 1726, 2711, 2712, 2713, 2969, 3009, 3026)

***Rhodococcus wratislaviensis*** (Goodfellow et al. 1995) Goodfellow et al. 2002

Ac-1986 Type <-- IFO, IFO 15274. (ATCC 51786; CCUG 38518; CIP 105033; DSM 44107; JCM 9689; NBRC 100605; NCIMB 13082). Received as: *Tsukamurella wratislaviensis*.  
Synonym: *Tsukamurella wratislaviensis* Goodfellow et al. 1995 Type. Ex: soil. (Medium 184, 28°C, F-1, C-1)

***Rhodopseudomonas palustris*** (Molisch 1907) van Niel 1944

B-1620 Type <-- INMI, ATCC 17001. (ATCC 17001, CIP 103513, DSM 123, NBRC 100419, NRRL B-4276). Synonym: *Rhodopseudomonas rutila* Akiba et al. 1983. (Medium 197, 25°C, anaerobic in light, F-2, S-2)

B-1862 <-- KM MGU, 1. Synonym: *Rhodopseudomonas rutila* Akiba et al. 1983. (Medium 197, 25°C, anaerobic in light, F-2, S-2)

***Roseicyclus mahoneyensis*** Rathgeber et al. 2005

B-2346 Type <-- Yurkov V, University of Manitoba, Canada (ML6, DSM 16097). Ex: Mahoney Lake, meromictic saline lake, British Columbia, Canada. (Medium 243, 30°C, F-3)

***Rubrobacter radiotolerans*** (Yoshinaka et al. 1973) Suzuki et al. 1989

Ac-1989 Type <-- IFO, IFO 14777. (ATCC 51242; CIP 106991; DSM 5868, 46359; IAM 12072; IFO 14777; JCM 2153; NCIMB 12766). Synonym: *Arthrobacter radiotolerans* Yoshinaka et al. 1973 Type. Ex: thermo-mineral water spring at Misasa, Japan, Tottori. (Medium 5, 25°C, F-1)j (3332)

***Saccharomonospora*** sp.

Ac-698 <-- Kuznetsov V.D. INMI, KCC A-0033. (CBS 498.63; DSM 44012; IFO 12530; JCM 3033). Received as: "*Thermoactinomyces glaucus*" Henssen 1957. Ex: mushroom compost. (Medium 8, 50°C, F-1, C-1) (1058)

***Saccharomonospora*** sp.

Ac-1249 <-- Thirumalachar M. India, Az-4 <-- Agre N.S., Az-4. Received as: "*Micropolyspora mesophila*". Former name: "*Thermomonospora mesophilica*" Kalakoutskii et al. 1968, "*Micropolyspora mesophila*" Agre 1985, "*Saccharomonospora mesophilica*" Evtushenko et al. 1990 Type. (Medium 8, 37°C, F-1, C-1) (1418)

***Saccharomonospora viridis*** (Schuurmans et al. 1956) Nonomura and Ohara 1971

Ac-681 Type <-- INMI, VKM A-681 <-- CBS, CBS 484.63. (ATCC 15386; CBS 484.63; DSM 43017; IFO 12207; IMET 9550; JCM 3036; NRRL B-3044). Received as: "*Thermomonospora viridis*" (Schuurmans et al. 1956) Kuster and Locci 1963 Type. Synonym: "*Thermoactinomyces viridis*" Schuurmans et al. 1956. Ex: irish peat. (Medium 8, 45°C, F-1, C-1) (1058, 1299, 1357)

Ac-802 <-- Agre N.S., INMI 632. (ATCC 33517; DSM 43671; IFO 15919; IMET 9677; JCM 3315). Received as: "*Micropolyspora internatus*" Agre et al. 1974 Type. Synonym: "*Saccharomonospora internatus*" (Agre et al. 1974) Greiner-Mai et al. 1988 Type. Ex: mountain stony soil, Tadjikistan, West Pamirs. (Medium 8, 37°C, F-1, C-1) (1009, 1033, 1047, 1316, 1357)

***Saccharopolyspora erythraea*** (Waksman 1923) Labeda 1987

Ac-1189 Type <-- RIA, RIA 1387. (ISP 5517; RIA 120, 1387; ATCC 11635; CBS 727.72; DSM 40517; IFO 13426; JCM 4026, 4748; NCIMB 8594; NRRL 2338, B-16947). Received as: *Streptomyces erythraeus*. Synonym: *Streptomyces erythraeus* (Waksman 1923) Waksman and Henrici 1948 Type. Ex: soil, Philippines. (Medium 205, 28°C, F-1, C-1) (419, 1360)

***Saccharopolyspora hirsuta*** subsp. *hirsuta* Lacey and Goodfellow 1975

Ac-666 Type <-- INMI, VKM A-666 <-- RIA, RIA 1561. (VKM Ac-693; RIA 1561; ATCC 27875; CBS420.74; DSM 43463; IFO 13919; JCM 3170; NCIMB 11079; NRRL B-5792, B-16205). Ex: sugar-cane bagasse. Trinidad. (Medium 8, 50°C, F-1) (853)

***Saccharopolyspora rectivirgula*** (Krassilnikov and Agre 1964) Korn-Wendisch et al. 1989

Ac-642 <-- INMI, VKM A-642 <-- RIA, RIA 801 <-- Agre N.S., 1325. (RIA 801; IMET 9553). Received as: "*Thermopolyspora rectivirgula*". Synonym: *Faenia rectivirgula* (Krassilnikov and Agre 1964) Kurup and Agre 1983, *Micropolyspora rectivirgula* (Krassilnikov and Agre 1964) Prauser and Momirova 1970, "*Thermopolyspora rectivirgula*" Krassilnikov and Agre 1964. Ex: soil, Pamirs. (Medium 8, 50°C, F-1, C-1)

Ac-810 Type <-- Agre N.S. IBPM, INMI 683. (ATCC 33515; DSM 43747; IFO 12464; JCM 3057; NCIMB 12296; NRRL B-16280). Received as: *Micropolyspora rectivirgula*. Synonym: *Micropolyspora rectivirgula* (Krassilnikov and Agre 1964) Prauser and Momirova 1970 Type, *Faenia rectivirgula* (Krassilnikov and Agre 1964) Kurup and Agre 1983 Type,

"*Thermopolyspora rectivirgula*" Krassilnikov and Agre 1964. Ex: soil, Tadzhikistan, Pamirs. (Medium 8, 50°C, F-1, C-1) (1027, 1034, 1035, 1357)

***Saccharothrix australiensis*** Labeda et al. 1984

Ac-894 Type <-- Kuznetsov V.D. INMI, K-4019 <-- Lechevalier M.P., ATCC 31497. (ATCC 31497; DSM 43800; IFO 14444; JCM 3370; NCIMB 13188; NRRL 11239;). Ex: soil, Australia. (Medium 184, 30°C, F-1, C-1) (391)

***Saccharothrix coeruleofusca*** (Preobrazhenskaya and Sveshnikova 1974) Grund and Kroppenstedt 1990

Ac-855 Type <-- INA, INA 1335. (INA 1335; ATCC 35108; DSM 43679; IFO 14520; IMET 9602; JCM 3313; NRRL B-16115). Received as: *Nocardiopsis coeruleofusca*. Synonym: *Nocardiopsis coeruleofusca* (Preobrazhenskaya and Sveshnikova 1974) Preobrazhenskaya and Sveshnikova 1985 Type, *Actinomadura coeruleofusca* Preobrazhenskaya and Sveshnikova 1974 Type. Ex: soil. (Medium 205, 28°C, F-1, C-1) (114, 134, 779, 780, 2728, 2730)

***Saccharothrix espanaensis*** Labeda and Lechevalier 1989

Ac-1969 Type <-- JCM, JCM 9112. (ATCC 51144; DSM 44229; JCM 9112; NRRL 15764). Ex: soil, Spain, Puerto Liano. (Medium 183, 28°C, F-1) (3324)

***Saccharothrix longispora*** (Preobrazhenskaya and Sveshnikova 1974) Grund and Kroppenstedt 1990

Ac-907 Type <-- INA, INA 10222. (INA 10222; ATCC 35109; DSM 43749; IFO 14522; JCM 3314; NRRL B-16116). Received as: *Nocardiopsis longispora*. Synonym: *Nocardiopsis longispora* (Preobrazhenskaya and Sveshnikova 1974) Preobrazhenskaya and Sveshnikova 1985 Type, *Actinomadura longispora* Preobrazhenskaya and Sveshnikova 1974 Type. Ex: soil. (Medium 209, 28°C, F-1, C-1) (114, 134, 779, 2728, 2730)

Ac-1265 <-- INA, INA 389/88. Received as: *Nocardiopsis longispora*. Synonym: *Nocardiopsis longispora* (Preobrazhenskaya and Sveshnikova 1974) Preobrazhenskaya and Sveshnikova 1985, *Actinomadura longispora* Preobrazhenskaya and Sveshnikova 1974. Ex: soil. (Medium 207, 28°C, F-1, C-1)

***Saccharothrix mutabilis*** subsp. *capreolus* (ex Stark et al. 1963) Grund and Kroppenstedt 1990

Ac-1848 Type <-- DSM, DSM 40225. (ISP 5225; RIA 1167; ATCC 23892; CBS 678.68; BCRC 13692; DSM 40225; IFO 12847; JCM 4248, 4630; NCIMB 9611, 9801; NRRL 2773). Synonym: "*Streptomyces capreolus*" Stark et al. 1963. Former name: "*Nocardia capreola*". (Medium 191, 28°C, F-1) (779, 1354, 2730)

***Saccharothrix mutabilis*** subsp. *mutabilis* (Shearer et al. 1983) Labeda and Lechevalier 1989

Ac-2023 Type <-- JCM, JCM 3380. (ATCC 31520; BCRC 12528; DSM 43853; IFO 14310; JCM 3380; NRRL B-16077). Synonym: *Nocardiopsis mutabilis* Shearer et al. 1983 Type. Ex: soil, India, Gujarat. (Medium 191, 28°C, F-1) (779, 3324, 3325)

***Saccharothrix*** sp.

Ac-1473 <-- Evtushenko L.I. IBPM, F-92. Ex: soil, Seychelles. (Medium 64, 28°C, F-1, C-1) (2883)

***Saccharothrix*** sp.

Ac-1757 <-- INA, IFO 14198. (ATCC 31511; IFM 0241; IFO 14198; JCM 3379; NRRL B-16130). Received as: "*Nocardiopsis atra*" Huang. Ex: soil, Japan, Nomozaki. (Medium 206, 28°C, F-1)

***Saccharothrix syringae*** (Gauze and Sveshnikova 1985) Grund and Kroppenstedt 1990

Ac-1858 Type <-- DSM, DSM 43886. (INA 2240; ATCC 51364; DSM 43886; IFO 14523; JCM 6844; NRRL B-16468). Synonym: *Nocardiopsis syringae* Gauze and Sveshnikova 1985

Type. Ex: soil. (Medium 206, 28°C, F-1) (779, 2728, 2730, 3335)

***Saccharothrix texasensis*** Labeda and Lyons 1989

Ac-1968 Type <-- JCM, JCM 9113. (ATCC 51593; DSM 44231; IFO 14971; JCM 9113; NCIMB 13186; NRRL B-16134). Ex: soil, USA, Texas, Dallas. (Medium 213, 28°C, F-1) (779, 2728, 2730, 3327)

***Salimicrobium album*** (Hao et al. 1985) Yoon et al. 2007

Ac-1949 Type <-- JCM, JCM 2574. (ATCC 49811; CCM 3517; CIP 104820; DSM 20748; IAM 12845; JCM 2574; LMG 17430). Received as: *Marinococcus albus*. Synonym: *Marinococcus albus* Hao et al. 1985 Type.Ex: solar saltern. (Medium 228, 28°C, F-1) (3310, 3350)

***Sarcina*** sp.

B-349 <-- INMI, VKM B-349 <-- Mishustina I.E. INMI, 6130. Received as: *Sarcina luteola* Gruber 1895. Ex: water, station 1723, Norway Sea, depth 50 m, 68 34'8"N.lat., 14 04'8"E.long. (Medium 5, 30°C, F-1, C-1, F-3) (1367)

***Seliberia stellata*** Aristovskaya and Parinkina 1963

B-1340 Type <-- INMI, VKM B-1340 <-- Nikitin D.I. INMI, N-9. (JCM 21594). Ex: soil, Karelian peninsula, Russia. (Medium 56, 30°C, F-1, S-5, S-4) (51, 970, 1134, 1366)

***Simplicispira metamorpha*** (Terasaki 1961) Grabovich et al. 2006

B-1407 Type <-- INMI, VKM B-1407 <-- ATCC, ATCC 15280. (ATCC 15280; DSM 1837; NCIB 9509; NCIMB 9509; CCUG 13794; IFO 13960, 12012). Received as: *Aquaspirillum metamorphum*. Synonym: *Aquaspirillum metamorphum* (Terasaki 1961) Hylemon et al. 1973 Type, "*Spirillum metamorphum*" Terasaki 1961. Ex: putrid infusion of a fresh-water shell fish. (Medium 88, 28°C, F-1, C-1, F-3)

B-2356 <-- Grabovich M., VSU, D-416 (D-416, DSM 12826). Received as: *Aquaspirillum sp.* Synonym: *Aquaspirillum metamorphum* (Terasaki 1961) Hylemon et al. 1973, "*Spirillum metamorphum*" Terasaki 1961. Ex: active sludge of waste water aeration tank; Russia. (Medium 238, 30°C, F-2, S-3)

***Sphaerisporangium viridialbum*** (Nonomura and Ohara 1960) Ara and Kudo 2007

Ac-679 Type <-- INMI, VKM A-679 <-- CBS, CBS 432.61. (VKM Ac-640; RIA 768; ATCC 33328; CBS 432.61; DSM 43801; IFO 13987; JCM 3027; NRRL B-2636). Received as: *Streptosporangium viridialbum*. Synonym: *Streptosporangium viridialbum* Nonomura and Ohara 1960. Ex: acidic volcanic ash, Japan, Hokkaido. (Medium 8, 28°C, F-1) (1357)

***Sphaerotilus natans*** Kutzing 1833

B-1308 <-- INMI, VKM B-1308 <-- CCM, CCM 2349 <-- Skerman V.B.D. (CCM 2349). (Medium 101, 26°C, F-1, S-5)

***Sphingomonas paucimobilis*** (Holmes et al. 1977) Yabuuchi et al. 1990

B-2241 <-- IFO 13934 (VKM B-1200; IBPM B-140; ATCC 10829; CCM 72; IFO 13934 NCIB 8195; NRRL B-54; DSM 30198). Received as: *Flavobacterium devorans* Type. Synonym: *Pseudomonas paucimobilis* Holmes et al. 1977. (Medium 5, 30°C, F-1, S-5) (487, 1318, 1366)

***Spirilliplanes yamanashiensis*** Tamura et al. 1997

Ac-1993 Type <-- IFO, IFO 15828. (DSM 44325; IFO 15828; JCM 10032). Ex: soil, Japan, Yamanashi Pref. Kofu. (Medium 214, 26°C, F-1)

***Spirillospora albida*** Couch 1963

Ac-926 Type <-- DSM, DSM 43034. (VKM Ac-670; RIA 822; ATCC 15331; CBS 291.64; DSM 43034; IFO 12248; JCM 3041; NRRL B-3350). Ex: soil, cow pasture, USA, North Carolina. (Medium 190, 28°C, F-1, C-4) (1043, 1357)

***Sporichthya polymorpha*** Lechevalier et al. 1968

Ac-1863 Type <-- DSM, DSM 43042. (ATCC 23823; DSM 43042; IFO 12702; JCM 3089; NRRL B-3709). Ex: greenhouse soil, New Brunswick, USA, New York. (Medium 184, 28°C, F-1) (1357, 1366, 3369)

***Sporolactobacillus inulinus*** (Kitahara and Suzuki 1963) Kitahara and Lai 1967

B-1597 Type <-- DSM, DSM 20348 <-- Kitahara K., EU. (ATCC 15538; CIP 103254, 103279; DSM 20348; HAMBI 2162; IFO (now NBRC) 13595; JCM 6014; LMG 11481; NRRL B-14021). Synonym: "*Sporolactobacillus* (subgen. *Lactobacillus*) *inulinus*" Kitahara and Suzuki 1963. Ex: chicken feed. (Medium 75, 30°C, S-4) (274, 357, 362, 471, 473, 1366)

***Sporosarcina globispora*** (Larkin and Stokes 1967) Yoon et al. 2001

B-1435 Type <-- INMI, VKM B-1435 <-- CCM, CCM 2119. (ATCC 23301; CCM 2119; NCIB 11434; NCIMB 11434; DSM 4; JCM 2509; Stokes J.L. W 25). Received as: *Bacillus globisporus*. Synonym: *Bacillus globisporus* Larkin and Stokes 1967 Type. Ex: soil. (Medium 5, 20°C, F-1, S-4)

***Sporosarcina pasteurii*** (Miquel 1889) Yoon et al. 2001

B-513 Type <-- INMI, VKM B-513 <-- NCTC, NCTC 4822 <-- Gibson T., 22 <-- Smith N.R., 673, 929. (ATCC 11859; NCIB 8841; NCIMB 8841; CCM 2056; CCEB 637; DSM 33; NCTC 4822). Received as: *Bacillus pasteurii*. Synonym: *Bacillus pasteurii* (Miquel 1889) Chester 1898 Type, "*Urobacillus pasteurii*" Miquel 1889. Ex: soil. (Medium 57, 30°C, F-1, S-4)

B-700 <-- INMI, VKM B-700 <-- NCIB, NCIB 8221 <-- Smith N.R., 675. (NCIB 8221; NRS 675). Received as: *Bacillus pasteurii*. Synonym: *Bacillus pasteurii* (Miquel 1889) Chester 1898, "*Urobacillus pasteurii*" Miquel 1889. (Medium 57, 30°C, F-1, S-4)

B-1063 <-- INMI, VKM B-1063 <-- VNIISHM, 4. Received as: "*Urobacillus pasteurii*". Synonym: *Bacillus pasteurii* (Miquel 1889) Chester 1898, "*Urobacillus pasteurii*" Miquel 1889. (Medium 57, 30°C, F-1, S-4)

***Sporosarcina ureae*** (Beijerinck 1901) Kluyver and van Niel 1936

B-592 <-- INMI, VKM B-592 <-- CCM, CCM 204. (CCM 204; DSM 2305; IFO 12698; JCM 2583). Synonym: "*Sporosarcina ureae*" (Beijerinck 1901) Orla-Jensen 1909, "*Sarcina ureae*" (Beijerinck 1901) Löhnis 1911. Ex: soil. (Medium 33, 30°C, F-1, C-1, F-3)

B-593 <-- INMI, VKM B-593 <-- CCM, CCM 380. Ex: soil. (Medium 33, 28°C, F-1, C-1, F-3)

B-595 Type <-- INMI, VKM B-595 <-- CCM, CCM 684. (ATCC 6473; CCM 684; DSM 2281; NCIB 9251; NCIMB 9251; IFO 12699; JCM 2577; Smith N.R., 42 (*Sarcina ureae*)). Synonym: "*Sarcina ureae*" Beijerinck 1901 Synonym: "*Sporosarcina ureae*" (Beijerinck 1901) Orla-Jensen 1909, "*Sarcina ureae*" (Beijerinck 1901) Löhnis 1911 Type. (Medium 33, 30°C, F-1, C-1, F-3) (1366)

B-596 <-- INMI, VKM B-596 <-- CCM, CCM 752. (DSM 2306; IMET 10857; NRRL B-286). Synonym: "*Sporosarcina ureae*" (Beijerinck 1901) Orla-Jensen 1909, "*Sarcina ureae*" (Beijerinck 1901) Löhnis 1911. Ex: soil. (Medium 33, 28°C, F-1, C-1, F-3)

B-597 <-- INMI, VKM B-597 <-- CCM, CCM 860. (ATCC 13881; CCM 860; NCIB 9151; NCIMB 9151; DSM 320; JCM 2579; IMET 10262; BCRC 10776; van Niel C.B., L.E.1.4). Synonym: "*Sporosarcina ureae*" (Beijerinck 1901) Orla-Jensen 1909, "*Sarcina ureae*" (Beijerinck 1901) Löhnis 1911. Ex: garden soil. (Medium 33, 28°C, F-1, C-1, F-3)

B-598 <-- INMI, VKM B-598 <-- CCM, CCM 1466. (CCM 1466; DSM 2280; NCIB 9250; NCIMB 9250; JCM 2580; NCFB 1548). Synonym: "*Sporosarcina ureae*" (Beijerinck 1901) Orla-Jensen 1909, "*Sarcina ureae*" (Beijerinck 1901) Löhnis 1911. Ex: soil. (Medium 33, 28°C,

F-1, C-1, F-3)

B-599 <-- INMI, VKM B-599 <-- CCM, CCM 1467. (CCM 1467). Synonym: "*Sporosarcina ureae*" (Beijerinck 1901) Orla-Jensen 1909, "*Sarcina ureae*" (Beijerinck 1901) Löhnis 1911. (Medium 33, 30°C, F-1, C-1, F-3)

B-600 <-- INMI, VKM B-600 <-- CCM, CCM 1468. (CCM 1468). Synonym: "*Sporosarcina ureae*" (Beijerinck 1901) Orla-Jensen 1909, "*Sarcina ureae*" (Beijerinck 1901) Löhnis 1911. (Medium 33, 28°C, F-1, C-1, F-3)

B-1043 <-- INMI, VKM B-1043 <-- VNIISHM, 1. Received as: "*Sarcina ureae*" Mace 1892. Synonym: "*Sporosarcina ureae*" (Beijerinck 1901) Orla-Jensen 1909, "*Sarcina ureae*" (Beijerinck 1901) Löhnis 1911. (Medium 33, 30°C, F-1, C-1, F-3)

***Stella humosa*** Vasilyeva 1985

B-1137 Type <-- INMI, VKM B-1137 <-- Vasilyeva L.V. INMI, 1107. (ATCC 43930; DSM 5900). Ex: black earth, Russia, Krasnodar. (Medium 101, 30°C, F-1, S-5, S-4) (53, 57, 416, 965, 1172, 1250, 1392, 1466, 1574)

***Stella vacuolata*** Vasilyeva 1985

B-1552 Type <-- Vasilyeva L.V. INMI, 229. (ATCC 43931; DSM 5901). Ex: active sewage sludge of pigsty, Russia, Leningrad region. (Medium 101, 28°C, F-2, S-5, S-4) (416, 1172, 1250)

***Stenotrophomonas maltophila*** (Hugh 1981) Palleroni and Bradbury 1993

B-591 Type <-- INMI, VKM B-591 <-- CCM, CCM 1640. (ATCC 13637; CCM 1640; NCTC 10275; NCIB 9203; NCIMB 9203; DSM 50170; NCPPB 1974; NRC 729; IAM 12423; IFO 14161; JCM 1975; IMET 10402; CCUG 5866; BCRC 10737; LMG 958; CIP 60.77; Hugh R., 810-2; Stanier R.Y., 67). Received as: *Pseudomonas maltophila*. Synonym: *Pseudomonas maltophilia* (ex Hugh and Ryschenkov 1961) Hugh 1981 Type, *Xanthomonas maltophilia* (Hugh 1981) Swings et al. 1983 Type, "*Pseudomonas maltophilia*" Hugh and Ryschenkov 1961. Ex: cancer patient. (Medium 5, 28°C, F-1, C-1, F-3) (661, 1026, 1598, 1613)

***Streptoalloteichus hindustanus*** (ex Tomita et al. 1978) Tomita et al. 1987

Ac-683 Type <-- INMI, VKM A-683 <-- ATCC, ATCC 31217. (RIA 1955; ATCC 31217; DSM 44523; IFO 15115; JCM 3268; NRRL B-11280). Received as: "*Streptoalloteichus hindustanus*". Synonym: "*Streptoalloteichus hindustanus*" Tomita et al. 1978. Ex: soil, North India. (Medium 205, 28°C, F-1, C-1) (844, 1032, 1357)

***Streptococcus salivarius* subsp. *thermophilus*** (Orla-Jensen 1919) Farrow and Collins 1984

B-907 <-- INMI, VKM B-907 <-- Sokolov P.I. IMV, 18. Received as: "*Streptococcus lactis* subsp. *diastaticus*" Sokolov 1960. Synonym: *Streptococcus thermophilus* Orla-Jensen 1919. Ex: maize silage. (Medium 75, 37°C, F-1, S-5) (91)

***Streptomyces abikoensis*** (Umezawa et al. 1951) Witt and Stackebrandt 1991

Ac-839 <-- RIA, RIA 1122. (ISP 5105; RIA 1122; ATCC 23943; CBS 927.68; DSM 40105; IFO 12896; IPV 943; JCM 4176, 4657). Received as: *Streptoverticillium olivoreticulum*. Synonym: *Streptomyces olivoreticuli* (Arai et al. 1957) Witt and Stackebrandt 1991 Type, *Streptoverticillium olivoreticuli* (Arai et al. 1957) Baldacci et al. 1966 Type. Ex: soil, Japan. (Medium 8, 28°C, F-1, C-1) (711, 1170, 1354, 1358, 2731)

Ac-878 <-- RIA, RIA 1355. (ISP 5473; RIA 1355; ATCC 12568; CBS 695.72; DSM 40473; IFO 13907; IPV 1972; JCM 4694, 4812; NRRL B-5464, B-12386). Received as: *Streptoverticillium parvisporogenum*. Synonym: *Streptomyces parvisporogenes* (Locci et al. 1969) Witt and Stackebrandt 1991 Type, *Streptoverticillium parvisporogenes* Locci et al. 1969 Type. Ex: soil. (Medium 205, 28°C, F-1, C-1, C-4) (1358, 1360, 1364, 2731)

Ac-889 <-- RIA, RIA 1109. (ISP 5038; RIA 1109; ATCC 23933; CBS 917.68; DSM 400038; IFO 3840, 12887; JCM 4099, 4649; NRRL B-1995). Received as: *Streptoverticillium luteoverticillatum*. Synonym: *Streptomyces luteoverticillatus* (Shinobu 1956) Witt and

- Stackebrandt 1991 Type, *Streptovercillium luteovercillatum* (Shinobu 1956) Locci et al. 1969 Type. Ex: soil, Japan. (Medium 8, 28°C, F-1, C-1) (1354, 1358, 1364, 2731)
- Ac-945 <-- Konev Y.E VNITIAF, LIA 0767 <-- RIA, RIA 1179. (ISP 5253; RIA 1179; ATCC 23903; CBS 799.68; DSM 40253; IFO 3398, 12858; JCM 4162, 4635; NRRL B-1967). Received as: *Streptovercillium ehimense*. Synonym: *Streptomyces ehimensis* (Shibata et al. 1954) Witt and Stackebrandt 1991 Type, *Streptovercillium ehimense* (Shibata et al. 1954) Locci et al. 1969 Type. Ex: soil, Japan. (Medium 190, 28°C, F-1, C-4, C-1) (1163, 1354, 1358, 2731)
- Ac-946 <-- Konev Y.E VNITIAF, LIA 0603. (ISP 5025; LIA 0603). Received as: *Streptovercillium abikoense*. Synonym: *Streptovercillium abikoense* (Umezawa et al. 1951) Locci et al. 1969. Ex: soil. (Medium 190, 28°C, F-1, C-1)

***Streptomyces aburaviensis*** Nishimura et al. 1957

- Ac-1868 Type <-- INA, ISP 5033. (ISP 5033; RIA 1107; ATCC 23869; CBS 280.60, 608.68; DSM 40033; IFO 12830; JCM 4170, 4613; NRRL B-2218). Ex: soil, Japan, Shiga Pref., Aburabi. (Medium 205, 28°C, F-1) (1354, 1364)

***Streptomyces achromogenes*** subsp. *achromogenes* Okami and Umezawa 1953

- Ac-1258 Type <-- RIA, RIA 1000. (ISP 5028; RIA 756, 1000; ATCC 12767, 19719; CBS 458.68; DSM 40028; IFO 12735; IMET 43080; JCM 4121, 4561; NRRL B-2120). Ex: soil, Japan, Tokyo. (Medium 209, 28°C, F-1, C-1) (1356, 1357, 1364)

***Streptomyces acrimycini*** (Preobrazhenskaya et al. 1957) Pridham et al. 1958

- Ac-769 Type <-- RIA, RIA 1001. (ISP 5135; RIA 1001; INA 7699; ATCC 19885, 19720; CBS 459.68; DSM 40135; IFO 12736; JCM 4339; NRRL B-2565). Ex: soil, USSR., (Medium 211, 28°C, F-1, C-1) (1356, 1364)

***Streptomyces afghaniensis*** Shimo et al. 1959

- Ac-703 Type <-- IBPM, ISP 5228. (RIA 1169; ATCC 23871; CBS 610.68; DSM 40228; IFO 12831; JCM 4340; IMET 42942). Ex: soil, Afghanistan. (Medium 13, 28°C, F-1, C-1) (748, 1354, 1364)

***Streptomyces alanosinicus*** Thiemann and Beretta 1966

- Ac-1752 Type <-- RIA, RIA 1454. (ISP 5606; RIA 1454; ATCC 15710; CBS 348.69, 794.72; DSM 40606; IFO 13493; JCM 4714; NRRL B-3627). Ex: soil, Brasil. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces albaduncus*** Tsukiura et al. 1964

- Ac-1753 Type <-- RIA, RIA 1358. (ISP 5478; RIA 1358; ATCC 14698; CBS 698.72; DSM 40478; IFO 13397; JCM 4715; NRRL B-3605). (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces albiaxialis*** Kuznetsov et al. 1993

- Ac-691 Type <-- Kuznetsov V.D., INMI. (DSM 41799; NBRC 101002). Ex: highly mineralized stratal waters of the oil field the Perm region, Russia. (Medium 205, 28°C, F-1)

***Streptomyces albidoflavus*** (Rossi Doria 1891) Waksman and Henrici 1948

- Ac-746 Type <-- IBPM, ISP 5455. (ISP 5455; RIA 1202; ATCC 25422; CBS 416.34, 920.69; CIP 105122; DSM 40455; IFO 13010; JCM 4446; LMG 19300; NCIMB 10043; NRRL B-1271, B-2663). (Medium 191, 28°C, F-1) (1359)

***Streptomyces albofaciens*** Thirumalachar and Bhatt 1960

- Ac-724 Type <-- IBPM, ISP 5268. (ISP 5268; RIA 1189; ATCC 23873, 25184; CBS 612.68; CIP 104425; DSM 40268; IFO 12833; JCM 4342; NCIMB 10975; NRRL B-12172 (Medium 209, 28°C, F-1, C-1) (1354)

*Streptomyces alboflavus* (Waksman and Curtis 1916) Waksman and Henrici 1948  
Ac-972 Type <-- RIA, RIA 1112. (ISP 5045; RIA 1112; ATCC 12626, 23874; CBS 613.68; CIP 104427; DSM 40045; IFO 13196; IMET 42936; JCM 4615; NRRL B-1273). (Medium 205, 28°C, F-1, C-1) (1353, 1354, 1364)

*Streptomyces albogriseolus* Benedict et al. 1954  
Ac-1200 Type <-- RIA, RIA 1101. (ISP 5003; RIA 272, 632, 693, 1101; ATCC 23875; CBS 614.68; CIP 104424, 104428; DSM 40003; IFO 3413, 3709, 12834; JCM 4004, 4616; NCIMB 9604; NRRL B-1305;). Ex: soil. (Medium 209, 28°C, F-1, C-1, C-4) (176, 1354, 1364)

*Streptomyces albolongus* Tsukiura et al. 1964  
Ac-704 Type <-- IBPM, ISP 5570. (ISP 5570; RIA 1426; ATCC 27414; CBS 766.72; DSM 40570; IFO 13465; JCM 4716; NRRL B-3604). Ex: soil, Japan. (Medium 205, 28°C, F-1, C-1) (842, 1360, 1364)

*Streptomyces alboniger* Porter et al. 1952  
Ac-838 Type <-- RIA, RIA 1003. (ISP 5043; RIA 1003; ATCC 12461, 19722; CBS 461.68; DSM 40043; IFO 12738; IMET 43691; JCM 4309, 4563; NCIMB 13007; NRRL B-1832, B-2403). Ex: forest soil. (Medium 13, 28°C, F-1) (1356, 1364)

*Streptomyces albovinaceus* (Kudrina 1957) Pridham et al. 1958  
Ac-572 Type <-- INMI, VKM A-572 <-- RIA, RIA 1004. (ISP 5136; RIA 1004; INA 273/53; ATCC 15823, 19723, 23613; CBS 256.66, 462.68; DSM 40136; IFO 12739; JCM 4343; NCIMB 13010; NRRL B-2566). Ex: soil. (Medium 205, 28°C, F-1, C-1, C-4) (644, 1348, 1356, 1364)  
Ac-1070 <-- INA, INA 9582. (INA 9582). Suggested neotype. Ex: soil. (Medium 209, 28°C, F-1, C-1) (1364)

*Streptomyces alboviridis* (Duche 1934) Pridham et al. 1958  
Ac-736 Type <-- RIA, RIA 1205. (ISP 5326; RIA 1205; ATCC 25425; CBS 923.69; DSM 40326; IFO 13013; JCM 4449; NRRL B-3633). (Medium 211, 28°C, F-1, C-1) (1359)

*Streptomyces albus* subsp. *albus* (Rossi Doria 1891) Waksman and Henrici 1943  
Ac-35 Type <-- INMI, VKM A-35 <-- Krassilnikov N.A., ATCC 3004. (ISP 5313; RIA 1206; ATCC 3004, 25426; CBS 410.63, 924.69; CIP 104432; DSM 40313; IFO 3710, 13014; JCM 4177, 4450; NCIMB 9558; NRRL B-1811, B-2208). (Medium 214, 28°C, F-1, C-1) (1359, 3365, 3368)

*Streptomyces albus* subsp. *pathocidicus* Nagatsu et al. 1962  
Ac-598 Type <-- INMI, VKM A-598 <-- KCC, KCC S-0166. (ATCC 14510; CIP 104431; DSM 40799; IFO 13812; JCM 4166). Ex: soil, Japan. (Medium 13, 28°C, F-1, C-1) (431, 1353)

*Streptomyces althioticus* Yamaguchi et al. 1957  
Ac-705 Type <-- IBPM, ISP 5092. (ISP 5092; RIA 1005; ATCC 19724; CBS 463.68; DSM 40092; IFO 12740; JCM 4344; NRRL B-3981). Ex: soil, Japan. (Medium 205, 28°C, F-1) (747, 1356)

*Streptomyces amakusaensis* Nagatsu et al. 1963  
Ac-995 Type <-- RIA, RIA 1163. (ISP 5219; RIA 1163; ATCC 23876; CBS 615.68; DSM 40219; IFO 12835; JCM 4167, 4617; LMG 19350; NRRL B-3351). Ex: soil, Japan. (Medium 8, 28°C, F-1) (433, 1354)

***Streptomyces anandii*** Batra and Bajaj 1965

Ac-1920 Type <-- INA, ATCC 19388. (ISP 5535; RIA 1399; ATCC 19388; CBS 739.72; DSM 40535; IFO 13438; JCM 4720; NRRL B-3590, B-12487). Ex: soil, India, Anand (Gujarat). (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces anthocyanicus*** (Krassilnikov et al. 1965) Pridham 1970

Ac-38 <-- INMI, VKM A-38 <-- Krassilnikov N.A., INMI 88. Synonym: "*Actinomyces anthocyanicus*" Krassilnikov et al. 1965. Ex: soil, experimental fields TA, Russia, Moscow. (Medium 209, 28°C, F-1, C-1) (17, 1361)

***Streptomyces antibioticus*** (Waksman and Woodruff 1941) Waksman and Henrici 1948

Ac-964 Type <-- RIA, RIA 1174. (ISP 5234; RIA 1174; ATCC 8663, 23879; CBS 478.48, 659.68; DSM 40234; IFO 12838; IMET 40227; JCM 4620; LMG 5966; NCIMB 8504; NRRL B-1701, B-2770). Ex: soil. (Medium 212, 28°C, F-1, C-1) (1354, 1364)

***Streptomyces antimycoticus*** Waksman 1957

Ac-1824 Type <-- RIA, RIA 1198. (ISP 5284; RIA 1198; ATCC 23880; CBS 660.68; DSM 40284; IFO 12839; JCM 4228, 4621; NRRL 2421). Ex: composted soil. (Medium 205, 28°C, F-1) (1354, 3358)

***Streptomyces anulatus*** (Beijerinck 1912) Waksman 1953 emend. Lanoot et al. 2005

Ac-79 <-- INMI, VKM A-79 <-- Krassilnikov N.A., INMI 2820. (RIA 650; ATCC 15857). Received as: "*Actinomyces chrysomallus*". Synonym: *Streptomyces chrysomallus* subsp. *chrysomallus* Lindenbein 1952, "*Actinomyces chrysomallus*" (Lindenbein 1952) Krassilnikov 1970. Ex: soil, chernozem, Moldova. (Medium 209, 28°C, F-1) (1361)

Ac-80 <-- INMI, VKM A-80 <-- Krassilnikov N.A., INMI 16828. Received as: "*Actinomyces chrysomallus*". Synonym: *Streptomyces chrysomallus* subsp. *chrysomallus* Lindenbein 1952, "*Actinomyces chrysomallus*" (Lindenbein 1952) Krassilnikov 1970. Ex: soil, podzol, Russia, Moscow Region. (Medium 209, 28°C, F-1) (1361)

Ac-96 <-- INMI, VKM A-96 <-- Krassilnikov N.A., INMI 2292. (ISP 5265; RIA 648, 1187; ATCC 15858, 23898; CBS 684.68; IFO 12853; DSM 40265; NCIMB 9806; JCM 4356). Received as: *Streptomyces citreofluorescens*. Synonym: *Streptomyces citreofluorescens* (Korenyako et al. 1960) Pridham 1970 Type, "*Actinomyces citreofluorescens*" Korenyako et al. 1960 Type. Ex: soil, podzol, Kola Peninsula, Kandalaksha, Russia. (Medium 209, 28°C, F-1) (674, 1354, 1363, 1364)

Ac-147 <-- INMI, VKM A-147 <-- Krassilnikov N.A., INMI 592. (ISP 5203; RIA 647, 1154; ATCC 15860, 23907; CBS 803.68; IFO 12861; DSM 40203; JCM 4373). Received as: *Streptomyces fluorescens*. Synonym: *Streptomyces fluorescens* (Krassilnikov 1958) Pridham 1970 Type, "*Actinomyces fluorescens*" Krassilnikov 1958 Type. Ex: soil, Minsk Reserve, Byelorussia. (Medium 13, 28°C, F-1) (674, 1354, 1361, 1362, 1364)

Ac-628 <-- KM MGU, 2. Received as: *Streptomyces chrysomallus*. Synonym: *Streptomyces chrysomallus* subsp. *chrysomallus* Lindenbein 1952. (Medium 209, 28°C, F-1, C-1) (716, 2745, 2879)

Ac-721 <-- IBPM, ISP 5128. Received as: *Streptomyces chrysomallus*. Synonym: *Streptomyces chrysomallus* subsp. *chrysomallus* Lindenbein 1952. (ISP 5128; ATCC 23209; CBS 478.68; DSM 40128; IFO 12755; JCM 4355). Ex: soil. (Medium 212, 28°C, F-1, C-1) (1356)

Ac-728 Type <-- IBPM, ISP 5361. (ISP 5361; RIA 1330; ATCC 27416; CBS 100.18, 670.72; DSM 40361; IFO 13369; JCM 4721; LMG 19301; NRRL B-2000). (Medium 191, 28°C, F-1, C-1) (1360)

Ac-1332 <-- KM MGU, 26-115. Received as: *Streptomyces chrysomallus*. Synonym: *Streptomyces chrysomallus* subsp. *chrysomallus* Lindenbein 1952. (Medium 209, 28°C, F-1, C-1) (943)

***Streptomyces arabicus*** Shibata et al. 1957

Ac-1754 Type <-- RIA, RIA 1178. (ISP 5252; RIA 1178; ATCC 23881; CBS 661.68; DSM 40252; IFO 3406, 12840, 14035; JCM 4161, 4622; NRRL B-1733). Ex: soil, Arabia. (Medium 205, 28°C, F-1) (1354, 1364)

***Streptomyces arduus*** (De Boer et al. 1961) Witt and Stackebrandt 1991

Ac-930 Type <-- RIA, RIA 1391. (ISP 5527; RIA 1391; ATCC 27417; CBS 731.72; DSM 40527; IFO 13430; IPV 2020; JCM 4543, 4722; NRRL 2817). Synonym: *Streptoverticillium arduum* (De Boer et al. 1961) Locci et al. 1969 Type, "*Streptomyces arduus*" De Boer et al. 1961 Type. Ex: soil, USA. (Medium 8, 28°C, F-1, C-1) (879, 1358, 1360, 1374, 2731)

***Streptomyces arenae*** Pridham et al. 1958

Ac-1201 Type <-- RIA, RIA 1208. (ISP 5293; RIA 1208; ATCC 25428; CBS 926.69; DSM 40293; IFO 13016; JCM 4452; NRRL 2377). Ex: soil, Illinois, USA. (Medium 209, 28°C, F-1, C-1) (644, 1359)

***Streptomyces argenteolus*** Tresner et al. 1961

Ac-747 Type <-- IBPM, ISP 5226. (ISP 5226; RIA 1168; ATCC 11009, 23882; CBS 662.68; DSM 40226; IFO 12841; JCM 4229, 4623; LMG 5967; NCIMB 9625; NRRL B-1806). Ex: soil. (Medium 211, 28°C, F-1, C-1) (1354)

***Streptomyces armeniacus*** (Kalakoutskii and Kuznetsov 1964) Wellington and Williams 1981

Ac-905 Type <-- RIA, RIA 807. (RIA 807; ATCC 15676; CBS 559.75; DSM 43125; IFO 12555; JCM 3070; NCIMB 10179). Synonym: *Actinoplanes armeniacus* Kalakoutskii and Kuznetsov 1964 Type. Ex: soil, Armenia. (Medium 205, 28°C, F-1) (723, 742, 1360, 1361)

***Streptomyces asterosporus*** (ex Krassilnikov 1970) Preobrazhenskaya 1986

Ac-40 Type <-- INMI, VKM A-40 <-- Krassilnikov N.A., INMI 16. (DSM 41452; IFO 15872; JCM 6912). Synonym: "*Actinomyces asterosporus*" Krassilnikov 1970 Type. Ex: chestnut soil, Bulgaria. (Medium 209, 28°C, F-1, C-1) (810, 1361, 1364)

***Streptomyces atroolivaceus*** (Preobrazhenskaya et al. 1957) Pridham et al. 1958

Ac-970 Type <-- RIA, RIA 1006. (ISP 5137; INA 4776; RIA 1006; ATCC 19725; CBS 464.68; DSM 40137; IFO 12741; JCM 4345; LMG 19306). Ex: soil, Daghestan. (Medium 212, 28°C, F-1) (33, 1356, 1364)

***Streptomyces atrovirens*** (ex Preobrazhenskaya et al. 1971) Preobrazhenskaya and Terekhova 1986

Ac-1213 Type <-- INA, INA 1551. (INA 1551; DSM 41467; IFO 15388; JCM 6913; NRRL B-16357). (Medium 209, 28°C, F-1, C-1) (702, 810, 1364)

***Streptomyces aurantiacus*** (Rossi Doria 1891) Waksman 1953 emend. Lanoot et al. 2002

Ac-43 <-- INMI, VKM A-43 <-- Krassilnikov N.A., INMI 1268. Ex: soil. (Medium 211, 28°C, F-1) (675, 1361)

Ac-44 Type <-- INMI, VKM A-44 <-- Krassilnikov N.A., INMI 1373. (ISP 5412; RIA 1209; ATCC 19822, 25429; CBS 927.69; DSM 40412; IFO 13017; JCM 4453; LMG 19358). Ex: soil. (Medium 211, 28°C, F-1, C-1) (675, 1359, 1361)

Ac-1818 <-- RIA, RIA 482. (RIA 482; ATCC 15394, 3003; CCM 3157; DSM 40795; IFO 15386; JCM 4135; NRRL B-1239, B-2372). Received as: *Streptomyces albosporeus* subsp. *albosporeus*. Synonym: *Streptomyces albosporeus* subsp. *albosporeus* (Krainsky 1914) Waksman and Henrici 1948 Type. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces aurantiogriseus*** (Preobrazhenskaya 1957) Pridham et al. 1958

Ac-1093 Type <-- RIA, RIA 1130. (ISP 5138; RIA 1130; INA 10369/58; ATCC 19887, 23883 CBS 663.68;; DSM 40138; IFO 12842; JCM 4346; LMG 19298; NCIMB 9849; NRRL B-5416).

Ex: soil. (Medium 205, 28°C, F-1, C-1) (1354, 1364)

***Streptomyces aureocirculatus*** (Krassilnikov and Yuan 1965) Pridham 1970

Ac-1826 Type <-- RIA, RIA 1210. (ISP 5386; RIA 682, 1210; ATCC 15851, 19823, 25430; CBS 928.69; DSM 40386; IFO 13018; JCM 4454; NRRL B-3324). Synonym: "*Actinomyces aureocirculatus*" Krassilnikov and Yuan 1965 Type. Ex: soil. (Medium 205, 28°C, F-1) (675, 1359, 1361, 1364)

***Streptomyces aureofaciens*** Duggar 1948 emend. Groth et al. 2003

Ac-771 Type <-- RIA, RIA 1129. (ISP 5127; RIA 1129; ATCC 10762, 23884; CBS 434.51, 664.68; CCM 3239; DSM 40127; IFO 3712, 12594, 12843; JCM 4008; LMG 5968; NCIMB 8234; NRRL 2209, B-2183, B-2657; B-5404). (Medium 209, 28°C, F-1, C-1) (1354)

***Streptomyces aureorectus*** (ex Taig et al. 1969) Taig and Solovieva 1986

Ac-1828 Type <-- INA, INA A-78 (=2843-10). (INA A-78; RIA 553; DSM 41692; IFO 15896; JCM 9947). (Medium 205, 28°C, F-1) (810, 1364)

***Streptomyces aureoverticillatus*** (Krassilnikov and Yuan 1960) Pridham 1970

Ac-48 Type <-- INMI, VKM A-48 <-- Krassilnikov N.A., INMI 1077. (ISP 5080; RIA 679, 1007; ATCC 15854, 19726; CBS 465.68; DSM 40080; IFO 12742; IPV 1821; JCM 4347; NRRL B-3326). Synonym: "*Actinomyces aureoverticillatus*" Krassilnikov and Yuan 1960 Type. Ex: soil, USSR. (Medium 205, 28°C, F-1, C-1) (92, 1356, 1361)

Ac-52 <-- INMI, VKM A-52. <-- Krassilnikov N.A., INMI 1306. Synonym: "*Actinomyces aureoverticillatus*" Krassilnikov and Yuan 1960. Ex: soil, USSR. (Medium 205, 28°C, F-1, C-1) (92, 678, 1361)

***Streptomyces avellaneus*** Baldacci and Grein 1966

Ac-1720 Type <-- RIA, RIA 1412. (ISP 5554; RIA 1412; ATCC 23730; CBS 752.72; DSM 40554; IFO 13451; JCM 4321, 4725; NCIMB 11000; NRRL B-3447). Ex: soil from caverns of Caudano at Cuneo, Italy, Piedmont. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces avermitilis*** (ex Burg et al. 1979) Kim et Goodfellow 2002

Ac-1301 <-- Prauser H., IMET 43778. (ATCC 31267; BCRC 12382; DSM 46492; IFO 14893; IMET 43778; JCM 5070; NCIMB 12804; NRRL 8165). Received as: "*Streptomyces avermitilis*" Burg et al. 1979 Type. Synonym: *Streptomyces avermectinius* Takahashi et al. 2002 Type, "*Streptomyces avermitilis*" Burg et al. 1979 Type. Ex: soil, Japan. (Medium 64, 28°C, F-1) (1364, 1732, 1965, 2127, 2662, 3029)

***Streptomyces avidinii*** Stapley et al. 1964

Ac-1074 Type <-- RIA, RIA 1390. (ISP 5526; RIA 1390; ATCC 27419; CBS 730.72; DSM 40526; IFO 13429; IMET 43538; JCM 4726; NCIMB 11996; NRRL 3077). Ex: soil. (Medium 205, 28°C, F-1, C-1) (1360, 1364, 2049, 3278)

***Streptomyces azureus*** Kelly et al. 1959

Ac-719 Type <-- IBPM, ISP 5106. (ISP 5106; RIA 1009; ATCC 14921, 19728; CBS 467.68; DSM 40106; IFO 12744; IMET 43765; JCM 4217, 4564; NRRL B-2655). Ex: soil. (Medium 211, 28°C, F-1, C-1) (1223, 1356, 2542, 2546, 2573, 2575, 2577, 2578, 2579, 2580, 2582)

***Streptomyces baarnensis*** Pridham et al. 1958

Ac-1774 Type <-- RIA, RIA 1172. (ISP 5232; RIA 1172; ATCC 23885; CBS 306.55, 665.68; DSM 40232; IFO 14727; JCM 4349; NRRL B-1902). (Medium 205, 28°C, F-1) (1354, 1364)

***Streptomyces bacillaris*** (Krassilnikov 1958) Pridham 1970

Ac-58 Type <-- INMI, VKM A-58 <-- Krassilnikov N.A., INMI 445. (ISP 5598; VKM Ac-59; RIA

336, 1448; ATCC 15855; CBS 788.72; IFO 13487; DSM 40598; JCM 4727). Synonym: "*Actinomyces bacillaris*" Nikitina 1957 Type. Ex: solonchak soil, Middle Asia. (Medium 13, 28°C, F-1, C-1) (1360, 1361, 1362, 1363)

***Streptomyces badius*** (Kudrina 1957) Pridham et al. 1958

Ac-735 Type <-- IBPM, ISP 5139. (ISP 5139; RIA 1010; INA 1203/53; ATCC 19729, 19888; CBS 468.68; DSM 40139; IFO 12745; JCM 4350; LMG 19353; NCIMB 13011; NRRL B-2567). Ex: soil, Caucasus, USSR. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces bambergiensis*** Wallhausser et al. 1966

Ac-975 Type <-- RIA, RIA 1440. (ISP 5590; RIA 1440; ATCC 13879; CBS 780.72; DSM 40590; IFO 13479; JCM 4728; LMG 19299; NRRL B-12101, B-12521). Ex: soil. (Medium 209, 28°C, F-1, C-1) (181, 1360, 1364)

***Streptomyces bellus*** Margalith and Beretta 1960

Ac-573 Type <-- INMI, VKM A-573 <-- RIA, RIA 1139. (ISP 5185; RIA 569, 1139; ATCC 14925, 23886; CBS 666.68; DSM 40185; IFO 12844; JCM 4292, 4625; NRRL B-2575). Ex: soil. (Medium 209, 28°C, F-1, C-1) (571, 1354, 1364)

***Streptomyces bikiniensis*** Johnstone and Waksman 1947

Ac-999 Type <-- RIA, RIA 74. (ISP 5581; RIA 74, 471; ATCC 11062; CBS 412.54; DSM 40581; IFO 14598; IMET 41362; JCM 4011; NRRL B-1049, B-2690). Ex: soil, Bikini Atoll. (Medium 8, 28°C, F-1, C-1) (1364, 1360)

***Streptomyces blastmyceticus*** (Watanabe et al. 1957) Witt and Stackebrandt 1991

Ac-766 Type <-- Agre N.S. IBPM, ISP 5029. (ISP 5029; RIA 1012, 1625; ATCC 19731; CBS 470.68; BCRC 13387; DSM 40029; IFO 12747; JCM 4184, 4565; NCIMB 9800; NRRL B-5480). Synonym: *Streptoverticillium blastmyceticum* (Watanabe et al. 1957) Locci et al. 1969 Type. Ex: soil, Japan, Saitama Pref. Chichibu. (Medium 214, 28°C, F-1, C-1) (1356, 1358, 2731)

Ac-818 <-- Konev Y.E. VNITIAF, LIA 0766. (ISP 5021; RIA 619, 1104; LIA 0766; ATCC 23936; CBS 920.68; DSM 40021; IFO 13202; JCM 4060, 4652; NCIMB 9836; NRRL B-1673). Received as: "*Streptoverticillium mediocidicum*" Okami et al. 1954. Ex: soil, Japan. (Medium 205, 28°C, F-1, C-1) (835, 1354, 1364)

***Streptomyces bobili*** (Waksman and Curtis 1916) Waksman and Henrici 1948

Ac-1756 Type <-- RIA, RIA 1116. (ISP 5056; RIA 1116; ATCC 3310, 23889; CBS 419.34, 675.68; DSM 40056; IFO 13199, 16166; JCM 4012, 4627; NRRL B-1338, B-2097). Ex: adobe and garden soil. (Medium 205, 28°C, F-1) (1354, 1364)

***Streptomyces bottropensis*** Waksman 1961

Ac-1755 Type <-- RIA, RIA 1215. (ISP 5262; RIA 1215; ATCC 25435; CBS 163.64, 667.69; CIP 105278; DSM 40262; IFO 13023; JCM 4459). (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces brasiliensis*** (Falcao de Morais et al. 1966) Goodfellow et al. 1986

Ac-656 Type <-- INMI, VKM A-656 <-- RIA, RIA 911. (VKM Ac-1310; RIA 911; ATCC 23727; CBS 520.68; DSM 43159; IFO 12596; JCM 3086). Received as: *Elytrosporangium brasiliensis*. Synonym: *Elytrosporangium brasiliense* Falcao de Morais et al. 1966 Type. Ex: soil, Brazil. (Medium 205, 28°C, F-1) (810, 876)

***Streptomyces cacaoi*** subsp. *cacaoi* (Waksman 1932) Waksman and Henrici 1948 emend. Lanoot et al. 2002

Ac-706 <-- RIA, RIA 1140. (ISP 5186; RIA 1140; ATCC 13558, 14961, 23878; CBS 617.68; DSM 40186; IFO 12837; JCM 4275, 4619; LMG 19319; NCIMB 9827; NRRL 2390). Received

as: *Streptomyces aminophilus*. Synonym: *Streptomyces aminophilus* Foster 1961 Type.  
(Medium 191, 28°C, F-1, C-1) (1354, 1364)

Ac-733 Type <-- IBPM, ISP 5057. (ISP 5057; RIA 1013; ATCC 3082, 19732; CBS 471.68; DSM 40057; IFO 12748; JCM 4352; LMG 19320; NCIMB 9626; NRRL B-1220, B-2686). Ex: cacao beans, Nigeria. (Medium 191, 28°C, F-1, C-1) (1356)

***Streptomyces caelestis*** De Boer et al. 1955

Ac-1822 Type <-- RIA, RIA 1014. (ISP 5084; RIA 1014; ATCC 14924, 15084, 19733; CBS 472.68, 967.70; DSM40084; IFO 12749; JCM 4218, 4566; LMG 5970; NCIMB 9751; NRRL 2418). Ex: soil from emigration canyon, Salt Lake city, USA, Utah. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces caeruleus*** (Baldacci 1944) Pridham et al. 1958 emend. Lanoot et al. 2002

Ac-1918 Type <-- RIA, RIA 1305. (ISP 5103; RIA 1305; ATCC 27421; CBS 645.72; DSM 40103; IFO 13344; JCM 4014, 4730; LMG 19399; NRRL B-1623, B-2194). Ex: rice straw.  
(Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces californicus*** (Waksman and Curtis 1916) Waksman and Henrici 1948

Ac-575 Type <-- INMI, VKM A-575 <-- RIA, RIA 1015. (ISP 5058; RIA 1015; ATCC 3312, 19734; CBS 473.68; DSM 40058; IFO 12750; JCM 4015, 4567; LMG 19309; NRRL B-1221, B-2098). (Medium 209, 28°C, F-1, C-1) (1356, 1364)

***Streptomyces calvus*** Backus et al. 1957

Ac-1185 Type <-- RIA, RIA 1103. (ISP 5010; RIA 1103; ATCC 13382, 23890; CBS 352.62, 676.68; DSM 40010; IFO 13200; JCM 4326, 4628; NCIMB 12240; NRRL B-2399). Ex: soil, India.  
(Medium 209, 28°C, F-1, C-1) (179, 1354, 1364)

***Streptomyces candidus*** (ex Krassilnikov 1941) Sveshnikova 1986

Ac-1091 Type <-- INA, INA 5855/54. (ISP 5141; INA 5855/54; RIA 1131; ATCC 19735, 19891, 23891; CBS 677.68; DSM 40141; IFO 12846; JCM 4629; NCIMB 12827). Ex: soil.  
(Medium 209, 28°C, F-1, C-1) (810, 1354, 1361, 1364)

***Streptomyces canescens*** Waksman 1957

Ac-732 Type <-- IBPM, ISP 5001. (RIA 1016; ATCC 19736; CBS 474.68; DSM 40001; IFO 12751; JCM 4196, 4568; NRRL 2419). Ex: contaminated fungus plate. (Medium 205, 28°C, F-1) (1356)

***Streptomyces caniferus*** (ex Krassilnikov 1970) Preobrazhenskaya 1986

Ac-68 Type <-- INMI, VKM A-68 <-- Krassilnikov N.A., INMI 377. (ATCC 43699, DSM 41453; IFO 15389, JCM 6914; NRRL B-16358). Synonym: "*Actinomyces caniferus*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1, C-1) (810, 1361, 1364)

***Streptomyces canus*** Heinemann et al. 1953

Ac-1011 Type <-- RIA, RIA 1017. (ISP 5017; RIA 1017; ATCC 12237, 19737; CBS 475.68; DSM 40017; IFO 12752; JCM 4212, 4569; LMG 19329; NCIMB 9627; NRRL B-1989, B-3980). Ex: soil. (Medium 205, 28°C, F-1, C-1) (1356)

***Streptomyces carpaticus*** Maximova and Terekhova 1986

Ac-1211 Type <-- INA, INA 8851. (INA 8851; ATCC 43678; DSM 41468; IFO 15390; JCM 6915; NRRL B-16359). Ex: soil. (Medium 209, 28°C, F-1, C-1) (810, 1364)

***Streptomyces carpinensis*** (Falcao de Morais et al. 1971) Goodfellow et al. 1986

Ac-1300 Type <-- DSM, DSM 43835. (VKM Ac-657; RIA 982; ATCC 27116; DSM 43835; IFO 14214; IMET 43558; JCM 3301; NRRL B-16921). Synonym: *Elytrosporangium*

*carpinense* Falcao de Moraes et al. 1971 Type. Ex: soil, Carpina, Brazil. (Medium 209, 28°C, F-1, C-1) (810, 1168)

***Streptomyces castelarensis*** (Cercos 1954) Kumar et Goodfellow 2008

Ac-832 Type <-- INA, INA R-43 <-- ATCC 15191. (INA R-43; RIA 851; ATCC 15191; CBS 309.55; DSM 40830; IFO 15875; JCM 4978). Received as: *Streptomyces rutgersensis* subsp. *castelarensis*. Synonym: *Streptomyces rutgersensis* subsp. *castelarensis* Cercos 1954. Ex: dust. (Medium 13, 28°C, F-1) (1055, 1107, 1353, 1364, 2045)

***Streptomyces catenulae*** Davisson and Finlay 1961

Ac-758 Type <-- RIA, RIA 1183. (ISP 5258; RIA 1183; ATCC 12476, 23893; CBS 679.68; DSM 40258; IFO 12848; JCM 4353; NRRL B-2342;). (Medium 191, 28°C, F-1, C-1) (998, 1354)

***Streptomyces cavourensis*** subsp. *cavourensis* Skarbek and Brady 1978

Ac-731 Type <-- IBPM, ISP 5300. (ISP 5300; RIA 1218; ATCC 14889, 25438; CBS 669.69; DSM 40300; IFO 13026; JCM 4249, 4298, 4555; NCIMB 8918; NRRL 2740). Ex: soil, Italy. (Medium 205, 28°C, F-1) (735, 1359)

***Streptomyces cellostaticus*** Hamada 1958

Ac-1222 Type <-- RIA, RIA 1143. (ISP 5189; RIA 1143; ATCC 23894; CBS 680.68; DSM 40189; IFO 12849; JCM 4183, 4631; NCIMB 9830). Ex: soil, Japan. (Medium 209, 28°C, F-1, C-1) (815, 1354)

***Streptomyces celluloflavus*** Nishimura et al. 1953

Ac-1819 Type <-- RIA, RIA 779. (RIA 779; ATCC 29806; DSM 40839; ETH 24125; IFO 13780; JCM 4126; NRRL B-2493). Ex: soil. (Medium 191, 28°C, F-1) (1353, 3362)

***Streptomyces cellulosa*** (Krainsky 1914) Waksman and Henrici 1948

Ac-829 Type <-- RIA, RIA 1219. (ISP 5362; RIA 1219; ATCC 25439; CBS 122.18, 670.69; DSM 40362; IFO 13027; JCM 4462; LMG 19315; NRRL B-2889). Ex: garden soil. (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces chartreusis*** Leach et al. 1953

Ac-1721 Type <-- RIA, RIA 738. (ISP 5085; RIA 738, 1018; ATCC 14922, 19738; CBS 476.68; DSM 40085; IFO 12753; JCM 4570; NRRL 2287). Ex: soil. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces chattanoogensis*** Burns and Holtman 1959

Ac-1775 Type <-- RIA, RIA 1019. (ISP 5002; RIA 1019; ATCC 13358, 19739; CBS 477.68; DSM 40002; IFO 12754; JCM 4299, 4571; LMG 19339; NCIMB 9809; NRRL B-2255). Ex: soil, USA, Tennessee. (Medium 207, 28°C, F-1) (1356, 1364)

***Streptomyces chromofuscus*** (Preobrazhenskaya et al. 1957) Pridham et al. 1958

Ac-974 Type <-- RIA, RIA 1191. (ISP 5273; INA 13638/58; RIA 1191; ATCC 23896; CBS 682.68; DSM 40273; IFO 12851; JCM 4354; LMG 19317; NRRL B-12175). Ex: soil, USSR. (Medium 212, 28°C, F-1, C-1) (33, 644, 1356, 1364) (This strain differs from the original description of the species *Streptomyces chromofuscus* (Preobrazhenskaya et al. 1957) Pridham et al. 1958)

Ac-1842 <-- INA, INA 6050. (INA 6050). (Medium 205, 28°C, F-1) (This strain proposed as a neotype by T.P.Preobrazhenskaya) (1364)

***Streptomyces chryseus*** (Krassilnikov et al. 1965) Pridham 1970

Ac-200 Type <-- INMI, VKM A-200 <-- Krassilnikov N.A., INMI 1007. (ISP 5420; RIA 1338; ATCC 19829; CBS 678.72; DSM 40420; IFO 13377; JCM 4737; NCIMB 10041; NRRL

B-12347). Synonym: "*Actinomyces chryseus*" Krassilnikov et al. 1965 Type. Ex: mountain soil, Pamirs, USSR. (Medium 13, 28°C, F-1, C-4) (18, 1363, 1360, 1364)

***Streptomyces cinereoruber*** subsp. ***cinereoruber*** Corbaz et al. 1957

Ac-1860 Type <-- RIA, RIA 1021. (ISP 5012; RIA 1021; ATCC 19740; CBS 479.68; DSM 40012; ETH 7451; IFO 12756; JCM 4205, 4572; NCIMB 9797; NRRL 2589). Ex: soil, Les Antiques, Alpilles, France, Provence. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces cinereospinus*** Terekhova et al. 1986

Ac-1215 Type <-- INA, INA 1719. (INA 1719; ATCC 43680; DSM 41470; IFO 15397; JCM 6917). (Medium 209, 28°C, F-1, C-1) (810, 1364)

***Streptomyces cinereus*** (Cross et al. 1963) Goodfellow et al. 1986

Ac-812 Type <-- IBPM, RIA 809. (RIA 809; ATCC 15840; CBS 356.67; DSM 43033; IFO 12247; IMET 43557; JCM 3040; NCIMB 9586; NRRL B-2909). Received as: *Microellobosporia cinerea*. Synonym: *Microellobosporia cinerea* Cross et al. 1963 Type. Ex: soil, Malta. (Medium 8, 28°C, F-1, C-1) (810, 848)

***Streptomyces cinnabarinus*** (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958

Ac-1904 Type <-- RIA, RIA 1220. (ISP 5467; RIA 1220; ATCC 23617, 25440; CBS 671.69; DSM 40467; IFO 13028; JCM 4463; NRRL B-12382). Ex: soil of hot climate area, USSR. (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces cinnamomensis*** Okami 1952

Ac-1912 Type <-- RIA, RIA 518. (RIA 518; ATCC 12308; CBS 411.63; DSM 40803; HUT 6050; IFO 15873; JCM 4019; NCIMB 12604; NRRL B-1588). Ex: soil, Japan, Iwate Pref., Kanegasaki. (Medium 205, 28°C, F-1) (1366)

***Streptomyces cinnamoneus*** (Benedict et al. 1952) Witt and Stackebrandt 1991

Ac-191 <-- INMI, VKM A-191 <-- Krassilnikov N.A., INMI 714. (ISP 5114; RIA 1049; ATCC 19769; CBS 507.68; DSM 40114; IAM H-2609; IFO 12782; IPV 2057; JCM 4331, 4583). Received as: *Streptovercillium hachijoense*. Synonym: *Streptomyces hachijoensis* (Hosoya et al. 1952) Witt and Stackebrandt 1991 Type, *Streptovercillium hachijoense* (Hosoya et al. 1952) Locci et al. 1969 Type. Ex: soil, Japan. (Medium 212, 28°C, F-1, C-1) (421, 1356, 1358, 1364, 2731)

Ac-606 <-- INMI, VKM A-606 <-- KCC S-0435. (ATCC 12686; KCC S-0435; IFO 12363; NRRL B-1699; IPV 1978, 1988; CBS 369.58). Received as: "*Streptovercillium cinnamoneum* forma *azacoluta*" (Pridham et al. 1956) Locci et al. 1969. Synonym: *Streptomyces hachijoensis* (Hosoya et al. 1952) Witt and Stackebrandt 1991, "*Streptovercillium cinnamoneum* forma *azacoluta*" (Pridham et al. 1956) Locci et al. 1969. Ex: soil, USA. (Medium 209, 28°C, F-1, C-1) (892, 1364, 1374)

Ac-876 Type <-- RIA, RIA 1102. (ISP 5005; RIA 1102, 360; ATCC 11874, 23897; IPV 1776, 936; NRRL B-1285; CBS 293.64, 683.68; IFO 12852; DSM 40005; JCM 4152, 4633). Received as: *Streptovercillium cinnamoneum*. Synonym: *Streptovercillium cinnamoneum* subsp. *cinnamoneum* (Benedict et al. 1952) Baldacci et al. 1966 Type. Ex: soil. (Medium 13, 28°C, F-1, C-1) (757, 1170, 1354, 2731)

Ac-883 <-- RIA, RIA 1381. (ISP 5507; RIA 1381; ATCC 27436; CBS 721.72; DSM 40507; IFO 13420; IPV 1976; JCM 4202, 4767). Received as: *Streptovercillium griseovercillatum*. Synonym: *Streptomyces griseovercillatus* (Shinobu and Shimada 1962) Witt and Stackebrandt 1991 Type, *Streptovercillium griseovercillatum* (Shinobu and Shimada 1962) Locci et al. 1969 Type. Ex: soil, Japan. (Medium 205, 28°C, F-1, C-1) (1358, 1360, 1364, 2731)

***Streptomyces cirratus*** Koshiyama et al. 1963

Ac-620 Type <-- INMI, VKM A-620 <-- RIA, RIA 1359. (ISP 5479; RIA 1359; ATCC 14699; CBS 699.72; IFO 13398). Ex: soil, Japan. (Medium 209, 28°C, F-1, C-1) (432, 1360, 1364)

***Streptomyces ciscaucasicus*** Sveshnikova 1986

Ac-1184 Type <-- INA, INA 2022/55. (ISP 5275; VKM Ac-998; INA 2022/55; RIA 1193; ATCC 23918,23626; CBS 839.68; IFO 12872; DSM 40275; IMET 42945; JCM 4384). Former name: *Streptomyces griseoruber* (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958. Ex: soil, Predcaucasje. (Medium 209, 28°C, F-1, C-1) (34, 810, 1364)

***Streptomyces clavuligerus*** Higgins and Kastner 1971

Ac-602 Type <-- INMI, VKM A-602 <-- KCC, KCC S-0710. (ATCC 27064; NRRL 3585; JCM 4710; DSM 738, 40751; IFO 13307). Ex: soil, South America. (Medium 205, 28°C, F-1) (346, 1364)

***Streptomyces coelestis*** (Krassilnikov et al. 1965) Pridham 1970

Ac-98 Type <-- INMI, VKM A-98 <-- Krassilnikov N.A., INMI 20-41. (ISP 5421; RIA 1339; ATCC 19830; CBS 679.72; IFO 13378; DSM 40421; JCM 4739). Synonym: "*Actinomyces coelestis*" Krassilnikov et al. 1965. Ex: soil, USSR. (Medium 209, 28°C, F-1) (17, 1360, 1361)

***Streptomyces coelicoflavus*** (ex Ryabova and Preobrazhenskaya) Terekhova 1986

Ac-1221 Type <-- INA, INA 9630. (INA 9630; DSM 41471; IFO 15399; JCM 6918; NRRL B-16363). Synonym: "*Actinomyces coelicoflavus*" (ex Ryabova and Preobrazhenskaya 1957) Krassilnikov 1970. Former name: "*Streptomyces coelicolor*" subsp. "*flavus*" (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958. (Medium 191, 28°C, F-1, C-1) (810, 1361, 1364)

***Streptomyces coelicolor*** (Muller 1908) Waksman and Henrici 1948

Ac-738 Type <-- RIA, RIA 1173. (ISP 5233; RIA 1173; ATCC 23899; CBS 210.27, 795.68; IFO 12854; DSM 40233; JCM 4357). Ex: contaminated by dust slice of potato. (Medium 205, 28°C, F-1, C-1) (752, 1354)

***Streptomyces coeruleofuscus*** (Preobrazhenskaya 1957) Pridham et al. 1958

Ac-619 Type <-- INMI, VKM A-619 <-- RIA, RIA 1022. (ISP 5144; RIA 1022; INA 2922/57; ATCC 23618; CBS 480.68; DSM 40144; IFO 12757). Ex: soil, Daghestan. (Medium 209, 28°C, F-1) (32, 1356, 1364)

***Streptomyces coeruleoprunus*** Preobrazhenskaya 1986

Ac-1208 Type <-- INA, INA 1655. (INA 1655; ATCC 43681; DSM 41472; NRRL B-16364; JCM 6919). (Medium 209, 28°C, F-1, C-1) (810, 1364)

***Streptomyces coeruleorubidus*** (Preobrazhenskaya 1957) Pridham et al. 1958

Ac-576 Type <-- INMI, VKM A-576 <-- RIA, RIA 1132. (ISP 5145; RIA 1132; INA 12531/54; ATCC 13740, 23900; CBS 796.68; IFO 12855). Ex: soil, Daghestan. (Medium 205, 28°C, F-1, C-1) (644, 1354, 1364)

***Streptomyces coeruleus*** (Preobrazhenskaya 1957) Pridham et al. 1958

Ac-1843 Type <-- INA, INA 4562. (ISP 5146; INA 4562; RIA 1023; ATCC 19742, 19896; CBS 481.68; DSM 40146; IFO 12758; JCM 4360; NCIMB 9615). Ex: dry soil in hot climate. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces collinus*** Lindenbein 1952

Ac-710 Type <-- IBPM, ISP 5129. (ISP 5129; RIA 1024; ATCC 19743; CBS 482.68; IFO 12759;

DSM 2012, 40129; JCM 4361) Ex: soil, Baden, Germany. (Medium 205, 28°C, F-1, C-1) (1356)

***Streptomyces corchorusii*** Ahmad and Bhuiyan 1958 emend. Lanoot et al. 2005

Ac-1893 <-- RIA, RIA 1164. (ISP 5220; RIA 1164; ATCC 23895; CBS 681.68; DSM 40220; ETH 28383; IFO12850; JCM 4017, 4632; LMG 20456; NRRL B-2904). Received as: *Streptomyces chibaensis*. Synonym: *Streptomyces chibaensis* Suzuki et al. 1958 Type. Ex: soil, Japan, Chiba Pref., Chiba City. (Medium 205, 28°C, F-1) (1354)

Ac-1906 Type <-- RIA, RIA 1224. (ISP 5340; RIA 1224; ATCC 25444; CBS 677.69; DSM 40340; IFO 13032; JCM 4286, 4467; NCIMB 9979). Ex: soil, Bangladesh, Arichola near Dacca. (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces cremeus*** (Kudrina 1957) Pridham et al. 1958

Ac-1844 Type <-- INA, INA 815/54. (ISP 5147; INA 815/54; RIA 1025; ATCC 19744, 19897; CBS 483.68; DSM 40147; IFO 12760; JCM 4362; NCIMB 9596, 10030; NRRL 3241). Ex: soil, Caucasus, USSR. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces curacoi*** Cataldi 1963

Ac-621 Type <-- RIA, RIA 1026. (ISP 5107; RIA 849, 1026; ATCC 13385, 19745; CBS 484.68; IFO 12761; NRRL B-2901; DSM 40107; JCM 4219, 4573). Ex: soil, Argentina. (Medium 212, 28°C, F-1, C-1) (795, 1356, 1364)

***Streptomyces cuspidosporus*** Higashide et al. 1966

Ac-599 Type <-- INMI, VKM A-599 <-- KCC, KCC S-0316. (ATCC 33340; IFO 12378; CBS 192.78; JCM 4316). Ex: soil, Japan, Kyoto. (Medium 205, 28°C, F-1) (1364, 1357)

***Streptomyces cyaneofuscatus*** (Kudrina 1957) Pridham et al. 1958

Ac-752 Type <-- INA, INA 99/54. (ISP 5148; INA 99/54; RIA 1027; ATCC 19746, 23619; CBS 485.68; DSM 40148; IFO 13190; JCM 4364). Ex: soil, Daghistan. (Medium 205, 28°C, F-1, C-1) (1356, 1364)

***Streptomyces cyaneus*** (Krassilnikov 1941) Waksman 1953

Ac-1712 Type <-- RIA, RIA 1307. (ISP 5108; RIA 1307; ATCC 14923; CBS 647.72; DSM 40108; IFO 13346; JCM 4220, 4743; NRRL B-2296). (Medium 205, 28°C, F-1) (1360)

***Streptomyces cyanoalbus*** (Krassilnikov and Agre 1960) Pridham 1970

Ac-585 Type <-- INMI, VKM A-585 <-- RIA, RIA 662. (ISP 5198; RIA 662, 1150; ATCC 15859, 23902; CBS 798.68; IFO 12857; JCM 4363; DSM 40198). Synonym: "*Actinomyces cyanoalbus*" Krassilnikov and Agre 1960 Type. Ex: soil, Kljazma River Valley, Moscow Region, Russia. (Medium 13, 28°C, F-1, C-1) (15, 1363, 1354)

***Streptomyces daghestanicus*** (Sveshnikova 1957) Pridham et al. 1958

Ac-1862 Type <-- INA, INA 2656/55. (ISP 5149; VKM Ac-1722; INA 2656/55; RIA 1028; ATCC 19747, 23620; CBS 486.68; DSM 40149; IFO 12762; JCM 4365). Ex: soil. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces diastaticus*** subsp. *diastaticus* (Krainsky 1914) Waksman and Henrici 1948

Ac-723 Type <-- IBPM, ISP 5496. (RIA 1373; ATCC 3315; CBS 713.72; DSM 40496; IFO 3714, 13412; JCM 4128, 4745; NRRL B-1270). (Medium 8, 28°C, F-1, C-1) (1360)

***Streptomyces diastatochromogenes*** (Krainsky 1914) Waksman and Henrici 1948

Ac-1760 Type <-- RIA, RIA 1350. (ISP 5449; RIA 1350; ATCC 12309, CBS 370.58, 690.72; DSM 40449; IFO 3337, 13389; JCM 4119, 4746; NRRL B-1698). Ex: soil. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces durhamensis*** Gordon and Lapa 1966

Ac-763 Type <-- Agre N.S. IBPM, ISP 5539. (ISP 5539; RIA 1402; ATCC 23194; CBS 742.72; DSM 40539; IFO 13441; JCM 4291, 4747). Ex: soil after spraying of the plants with 2,4-dichlorophenoxyacetic acid. (Medium 205, 28°C, F-1) (718, 1360)

***Streptomyces echinatus*** Corbaz et al. 1957

Ac-762 Type <-- RIA, RIA 1029. (ISP 5013; RIA 1029; ATCC 19748; CBS 409.59; 487.68; DSM 40013; IFO 12763; IMET 40461; NCIMB 9598, 9799; NRRL B-2587; JCM 4144, 4574). Ex: soil, Angola. (Medium 205, 28°C, F-1, C-1) (333, 1356, 1364)

***Streptomyces ederensis*** Wallhausser et al. 1966

Ac-845 Type <-- ATCC, ATCC 15304. (ATCC 15304; CBS 545.70; DSM 40741; IFO 15410; JCM 4958). Ex: soil. (Medium 13, 28°C, F-1) (181, 1353, 1364)

***Streptomyces endus*** Anderson and Gottlieb 1952

Ac-129 <-- INMI, VKM A-129 <-- Krassilnikov N.A., INMI 79-E. Ex: soil, bank of Enisei River, Russia. (Medium 209, 28°C, F-1, C-1) (95, 1361)

Ac-1331 Type <-- RIA, RIA 1141. (ISP 5187; RIA 1141; ATCC 23904; CBS 800.68; DSM 40187; IFO 12859; JCM 4213, 4636; NRRL 2339). Ex: soil, USA. (Medium 209, 28°C, F-1, C-1) (997, 1354, 1364, 3020, 3299)

***Streptomyces enissocaesilis*** (ex Krassilnikov 1970) Sveshnikova 1986

Ac-130 Type <-- INMI, VKM A-130 <-- Krassilnikov N.A., INMI 40-31. (ATCC 43682; DSM 41454; JCM 9088; NBRC 100763; NRRL B-16365). Synonym: "*Actinomyces enissocaesilis*" Krassilnikov 1970 Type. Ex: soil, Pamirs, USSR. (Medium 209, 28°C, F-1, C-1) (810, 1361, 1364)

***Streptomyces eurocidicus*** (Okami et al. 1954) Witt and Stackebrandt 1991

Ac-903 Type <-- RIA, RIA 1452. (ISP 5604; RIA 1452, 733; ATCC 27428; CBS 792.72; DSM 40604; IFO 13491; IPV 1996; JCM 4029, 4749; NRRL B-1676). Received as: *Streptoverticillium eurocidicum*. Synonym: *Streptoverticillium eurocidicum* (Okami et al. 1954) Locci et al. 1966 Type. Ex: soil. (Medium 205, 28°C, F-1, C-1) (835, 1358, 1360, 1364, 2731)

Ac-933 <-- Konev Y.E VNITIAF, LIA 0049. Received as: *Streptoverticillium albireticuli*. Synonym: *Streptomyces albireticuli* (Nakasawa 1955) Witt and Stackebrandt 1991, *Streptoverticillium albireticuli* (Nakasawa 1955) Locci et al. 1969. Ex: soil, maize field, Moldova. (Medium 8, 28°C, F-1, C-1)

***Streptomyces eurythermus*** Corbaz et al. 1957

Ac-1729 Type <-- RIA, RIA 1030. (ISP 5014; RIA 1030; ATCC 14975, 19749; CBS 488.68; DSM 40014; IFO 12764; JCM 4206, 4575; NRRL 2539). Ex: soil, Angola. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces exfoliatus*** (Waksman and Curtis 1916) Waksman and Henrici 1948

Ac-767 Type <-- Agre N.S. IBPM, ISP 5060. (RIA 1031; ATCC 12627, 19750; CBS 489.68; DSM 40060; IFO 13191; NRLL B-1237; JCM 4366). Ex: soil. (Medium 209, 28°C, F-1) (998, 1356)

***Streptomyces felleus*** Lindenbein 1952

Ac-722 Type <-- RIA, RIA 1033. (ISP 5130; RIA 1033; ATCC 19752; CBS 491.68; DSM 40130; IFO 12766; JCM 4368). Ex: soil. (Medium 3, 28°C, F-1) (786, 990, 1356)

***Streptomyces filamentosus*** Okami and Umezawa 1953

Ac-1266 Type <-- RIA, RIA 1034. (ISP 5022; RIA 1034; ATCC 19753; CBS 492.68; DSM 40022; IFO 12767; JCM 4122, 4576). Ex: soil, Japan. (Medium 209, 28°C, F-1, C-1) (1356)

***Streptomyces filipinensis*** Ammann et al. 1955

Ac-966 Type <-- RIA, RIA 1124. (ISP 5112; RIA 1124; ATCC 23905; CBS 309.56; 801.68; IFO 12860; NRRL 2437; DSM 40112; JCM 4369). Ex: soil, Philippines. (Medium 205, 28°C, F-1) (1057, 1354, 1364)

***Streptomyces fimbriatus*** (Millard and Burr 1926) Waksman and Lechevalier 1953

Ac-761 Type <-- Agre N.S. IBPM, INA F-7. (ATCC 15051; CBS 453.65; DSM 40942; NRRL B-3175; JCM 5080). Ex: soil. (Medium 213, 28°C, F-1, C-1) (1364)

***Streptomyces fimicarius*** (Duche 1934) Waksman and Henrici 1948

Ac-1724 Type <-- RIA, RIA 1229. (ISP 5322; RIA 1229; ATCC 25449; CBS 420.34, 682.69; DSM 40322; IFO 13037; JCM 4472). Ex: manure. (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces finlayi*** (Szabo et al. 1963) Pridham 1970

Ac-967 Type <-- RIA, RIA 1162. (ISP 5218; RIA 1162; ATCC 23340, 23906; CBS 802.68; DSM 40218; IFO 13201; JCM 4216, 4637). Ex: soil. (Medium 215, 28°C, F-1) (1354, 1363, 1364)

***Streptomyces flaveolus*** (Waksman 1923) Waksman and Henrici 1948

Ac-965 Type <-- RIA, RIA 1035. (ISP 5061; RIA 75, 485, 1035; ATCC 3319, 19754; DSM 40061; IFO 3408, 3715, 12768; IMRU 3319; IMET 40233; JCM 4032, 4577). Ex: soil, USA. (Medium 212, 28°C, F-1) (1356, 1364)

***Streptomyces flavus*** (Cross et al. 1963) Goodfellow et al. 1986

Ac-1295 Type <-- DSM, DSM 43153. (VKM Ac-633; RIA 810, 896; ATCC 15332; DSM 43153; IFO 12190; JCM 3035; NCIMB 9587). Synonym: *Microellobosporia flavea* Cross et al. 1963 Type. Ex: soil, France. (Medium 209, 28°C, F-1, C-1) (810, 848, 910)

***Streptomyces flavidovirens*** (Kudrina 1957) Pridham et al. 1958

Ac-1771 Type <-- INA, INA 12287. (ISP 5150; INA 12287; RIA 1231; ATCC 19900, 25451; CBS 684.69, DSM 40150; IFO 13039; JCM 4474; NRRL B-2708). Ex: soil. (Medium 207, 28°C, F-1) (1364)

***Streptomyces flavofungini*** (ex Uri and Bekesi 1958) Szabo and Preobrazhenskaya 1986

Ac-1179 Type <-- INA, SA-1X-3. (ISP 5366; RIA 1332; ATCC 27430; CBS 411.59, 672.72; DSM 40366; IFO 13371; JCM 4753). Ex: desert soil. (Medium 209, 28°C, F-1, C-1) (810, 811, 872, 1360, 1364)

***Streptomyces flavofuscus*** (Kudrina 1957) Preobrazhenskaya 1986

Ac-1841 Type <-- INA, INA 1565/53. (INA 1565/53; RIA 310; ATCC 19908; CBS 121.60; DSM 41426; JCM 9766; NBRC 100768; NRRL B-2594). Synonym: *Streptomyces globisporus* subsp. *flavofuscus* (Kudrina 1957) Pridham et al. 1958. Ex: soil. (Medium 207, 28°C, F-1) (810, 1364)

***Streptomyces flavogriseus*** (Duche 1934) Waksman and Lechevalier 1953

Ac-1325 Type <-- RIA, RIA 1232. (ISP 5323; RIA 1232; ATCC 25452; CBS 101.34, 685.69; DSM 40323; IFO 13040; JCM 4475). Ex: soil, Martinique. (Medium 205, 28°C, F-1, C-1) (1359)

***Streptomyces flavotricini*** (Preobrazhenskaya and Sveshnikova 1957) Pridham et al. 1958

Ac-1277 Type <-- INA, INA 11669/58. (ISP 5152; RIA 1037; INA 11669/58; ATCC 19757, 23621;

CBS 495.68; DSM 40152; IFO 12770; JCM 4371; IMET 42057). Ex: soil. (Medium 209, 28°C, F-1, C-1) (1356, 1364, 2898)

***Streptomyces flavovariabilis*** (ex Korenyako and Nikitina 1965) Sveshnikova 1986

Ac-141 Type <-- INMI, VKM A-141 <-- Krassilnikov N.A., INMI 702. (ATCC 43684; DSM 41479; JCM 9089; NBRC 100764; NRRL B-16367). Synonym: "*Actinomyces flavovariabilis*" Korenyako and Nikitina 1965 Type, "*Streptomyces flavovariabilis*" (Korenyako and Nikitina 1965) Pridham 1970 Type. Ex: soil, taiga, Russia, Taiga station. (Medium 212, 28°C, F-1) (810, 1002, 1361, 1364)

***Streptomyces flavovirens*** (Waksman 1923) Waksman and Henrici 1948 emend. Lanoot et al. 2005

Ac-1723 Type <-- RIA, RIA 1038. (ISP 5062; RIA 1038; ATCC 3320, 19758; CBS 129.20, 496.68, 189.75; DSM 40062; IFO 3412, 3716, 12771; JCM 4035, 4578). Ex: soil. (Medium 205, 28°C, F-1) (1356, 1364)

Ac-1888 <-- RIA, RIA 1070. (ISP 5071; RIA 1070; ATCC 19791; CBS 543.68; DSM 40071; IFO 12802; IMRU 3067; JCM 4223, 4597). Received as: *Streptomyces nigrifaciens*. Synonym: *Streptomyces nigrifaciens* Waksman 1961 Type. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces flavoviridis*** (ex Krassilnikov 1941) Preobrazhenskaya 1986

Ac-754 Type <-- IBPM, ISP 5153. (RIA 1039; INA 2314/53; ATCC 19759, 19903; CBS 497.68; DSM 40153; IFO 12772; JCM 4372). Synonym: "*Actinomyces flavoviridis*" Krassilnikov 1941. Ex: soil. (Medium 209, 28°C, F-1, C-1) (810, 1356, 1361, 1364)

***Streptomyces fradiae*** (Waksman and Curtis 1916) Waksman and Henrici 1948

Ac-149 <-- INMI, VKM A-149. Ex: soil. (Medium 3, 28°C, F-1, C-1) (738)

Ac-150 Type <-- INMI, VKM A-150 <-- Krassilnikov N.A. <-- Waksman S., IMRU 3535. (ISP 5063; VKM Ac-151, 152, 764; RIA 1040; ATCC 10745, 19760; CBS 498.68; DSM 40063; IFO 3718, 12773; NCIMB 8233; JCM 4133, 4579). Ex: soil. (Medium 3, 28°C, F-1) (992, 1356, 1364)

Ac-153 <-- INMI, VKM A-153 <-- Krassilnikov N.A. <-- BUCSAV, BU 611. Ex: soil. (Medium 3, 28°C, F-1, C-1) (738)

Ac-157 <-- INMI, VKM A-157 <-- Krassilnikov N.A. <-- INA, INA 3250. Synonym: "*Actinomyces fradiospiralis*" (Preobrazhenskaya 1957) Krassilnikov 1970. Ex: soil. (Medium 3, 28°C, F-1, C-1) (738)

Ac-270 <-- INMI, VKM A-270 <-- Krassilnikov N.A., INMI 956. Synonym: "*Actinomyces pseudofradiae*" Krassilnikov 1970. Ex: soil, China. (Medium 3, 28°C, F-1) (738, 1361)

Ac-1907 <-- RIA, RIA 1400. (ISP 5536; RIA 1400; ATCC 13167; CBS 740.72; DSM 40536; IFO 13439; IMRU 3672; JCM 4824; NRRL B-1563). Received as: *Streptomyces roseoflavus*. Synonym: *Streptomyces roseoflavus* Arai 1951 Type Ex: soil, Japan. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces fragilis*** Anderson et al. 1956

Ac-1773 Type <-- RIA, RIA 1111. (ISP 5044; RIA 1111; ATCC 23908; CBS 804.68; DSM 40044; IFO 12862; JCM 4187, JCM 4638; NCIMB 9795; NRRL 2424). Ex: soil, Argentina. (Medium 205, 28°C, F-1) (1354, 1364)

***Streptomyces fulvissimus*** (Jensen 1930) Waksman and Henrici 1948

Ac-994 Type <-- RIA, RIA 1443. (ISP 5593; RIA 1443; ATCC 27431; CBS 783.72; DSM 40593; IFO 13482; JCM 4129, 4754; NRRL B-1453; NCIMB 9609, 10505). (Medium 212, 28°C, F-1) (1353, 1360, 1364)

***Streptomyces fulvorobeus*** (ex Krassilnikov 1970) Vinogradova and Preobrazhenskaya 1986

Ac-158 Type <-- INMI, VKM A-158 <-- Krassilnikov N.A., INMI 34-280. (DSM 41455, IFO 15897; JCM 9090). Synonym: "*Actinomyces fulvorobeus*" Krassilnikov 1970 Type. Ex: soil,

Pamirs, USSR. (Medium 209, 28°C, F-1, C-1) (810, 1361, 1364)

***Streptomyces fumanus*** (Sveshnikova 1957) Pridham et al. 1958

Ac-1845 Type <-- INA, INA 10256/54. (ISP 5154; INA 10256/54; RIA 1234; ATCC 19904, 25454; CBS 687.69; DSM 40154; IFO 13042; JCM 4477; NRRL B-3898, B-5420). Ex: alluvial soil of hot and humid areas. (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces galbus*** Frommer 1959

Ac-165 Type <-- INMI, VKM A-165 <-- INA, NRRL B-2283. (ISP 5089; RIA 1121; ATCC 23910; CBS 831.68; IFO 12864; NRRL B-2283; DSM 40089; JCM 4222, 4639; IMET 42937). Ex: soil. (Medium 205, 28°C, F-1) (269; 1354; 1364)

***Streptomyces galilaeus*** Ettlenger et al. 1958

Ac-729 Type <-- RIA, RIA 1361. (ISP 5481; RIA 1361; ATCC 14969; CBS 701.72; DSM 40481; IFO 13400; NRRL 2722; JCM 4231, 4757). Ex: soil, Palestine. (Medium 191, 28°C, F-1, C-1) (1360)

Ac-1280 <-- INA, INA 5888. Ex: soil. (Medium 209, 28°C, F-1, C-1)

***Streptomyces gardneri*** (Waksman 1942) Waksman 1961

Ac-1829 Type <-- RIA, RIA 1117. (ISP 5064; RIA 1117; ATCC 9604, 23911; CBS 832.68; DSM 40064; IFO 3385, 12865, 13974; JCM 3004, 4375; NCTC 6531; NRRL B- 5615). Ex: air contaminant. (Medium 205, 28°C, F-1) (1364)

***Streptomyces gelaticus*** (Waksman 1923) Waksman and Henrici 1948

Ac-1704 Type <-- RIA, RIA 1118. (ISP 5065; RIA 89, 1118; ATCC 3323, 23912; CBS 833.68; DSM 40065; IFO 12866; NCIMB 9848). Ex: orchid soil, USA, New Jersey. (Medium 205, 28°C, F-1)

***Streptomyces geysiriensis*** Wallhausser et al. 1966

Ac-844 Type <-- ATCC, ATCC 15303. (ATCC 15303; CBS 546.70; DSM 40742; IFO 15413; JCM 4962; NRRL B-12102). Ex: soil, geyser, Island. (Medium 13, 28°C, F-1) (181, 1353, 1364)

***Streptomyces glaucescens*** (Preobrazhenskaya 1957) Pridham et al. 1958

Ac-617 Type <-- RIA, RIA 1041. (ISP 5155; INA 8731; RIA 1041; ATCC 19761, 23622; CBS 499.68; DSM 40155; IFO 12774; JCM 4377; LMG 19330; NCIMB 9619, 9844; NRRL B-2706). Ex: soil, USSR, region with a hot climate. (Medium 64, 28°C, F-1, C-1) (32, 1354, 1364)

***Streptomyces glaucosporus*** (ex Krassilnikov et al. 1968) Agre 1986

Ac-1763 Type <-- INA, INA G-72(=INMI 2979). (INA G-72; ATCC 25183; DSM 41689; IFO 15416; JCM 6921). (Medium 214, 28-45°C, F-1) (810, 1364)

***Streptomyces glaucus*** (ex Lehmann and Schutze 1912) Agre and Preobrazhenskaya 1986

Ac-803 Type <-- Agre N.S., INMI 2965. (INA G-86; ATCC 43685; DSM 41456; IFO 15417; JCM 6922; NRRL B-16368). (Medium 214, 37°C, F-1, C-1) (810, 1364)

***Streptomyces globisporus*** subsp. *caucasicus* (Kudrina 1957) Pridham et al. 1958

Ac-1846 Type <-- INA, INA 13195/54. (ISP 5157; INA 13195/54; RIA 319; ATCC 19907; CBS 120.60; DSM 40814; ETH 28434; JCM 9867; NBRC 100770; NRRL B-2593). Ex: soil, Armenia. (Medium 205, 28°C, F-1) (1364)

***Streptomyces globisporus*** subsp. *globisporus* (Krassilnikov 1941) Waksman 1953

Ac-179 Type <-- INMI, VKM A-179 <-- Krassilnikov N.A., INMI 2302. (ISP 5199; RIA 1151, 335; ATCC 15864, 23913; CBS 834.68; IFO 12867; DSM 40199; JCM 4378). Synonym:

"*Actinomyces globisporus*" Krassilnikov 1941 Type. Ex: soil, podzol, Moscow. (Medium 13, 28°C, F-1, C-1) (927, 1354)

***Streptomyces glomeratus*** Gauze and Sveshnikova 1986

Ac-834 Type <-- INA, INA 3980. (INA 3980; DSM 41457; IFO 15898; JCM 9091). Ex: soil. (Medium 211, 28°C, F-1, C-1) (701, 810, 1364)

***Streptomyces glomeroaurantiacus*** (Krassilnikov and Yuan 1965) Pridham 1970

Ac-184 <-- INMI, VKM A-184 <-- Krassilnikov N.A., INMI 1234. Synonym: "*Actinomyces glomeroaurantiacus*" Krassilnikov and Yuan 1965. Ex: soil, Pamirs, 3000 m. above sea-level, USSR. (Medium 205, 28°C, F-5) (675, 1361)

Ac-185 <-- INMI, VKM A-185 <-- Krassilnikov N.A., INMI 1242. (ISP 5429; RIA 1341; ATCC 19839; CBS 681.72; DSM 40429; IFO 13380; JCM 4761). Synonym: "*Actinomyces glomeroaurantiacus*" Krassilnikov and Yuan 1965. Ex: soil. (Medium 205, 28°C, F-5) (675, 1360, 1361)

***Streptomyces goshikiensis*** Niida 1966

Ac-1212 Type <-- RIA, RIA 1144. (ISP 5190; RIA 1144; ATCC 23914; CBS 835.68; DSM 40190; IFO 12868; JCM 4294, 4640). Ex: soil, Japan. (Medium 205, 28°C, F-1, C-1) (1344, 1354)

***Streptomyces gougerotii*** (Duche 1934) Waksman and Henrici 1948

Ac-713 Type <-- IBPM, ISP 5324. (ISP 5324; RIA 1235; ATCC 10975, 25455; CBS 422.34, 688.69; DSM 40324; IFO 3198, 13043; JCM 4136, 4478). (Medium 205, 28°C, F-1) (1359)

***Streptomyces graminearus*** Preobrazhenskaya 1986

Ac-1847 Type <-- INA, INA 13982. (INA 13982, DSM 41474; IFO 15420; JCM 6923; NRRL B-16369). (Medium 214, 28°C, F-1) (810, 1364)

***Streptomyces graminofaciens*** Charney et al. 1953

Ac-973 Type <-- RIA, RIA 1416. (ISP 5559; RIA 1416; ATCC 12705; CBS 756.72; IFO 13455; DSM 40559; JCM 4157, 4762; NRRL B-2609). Ex: soil, Tehas, USA. (Medium 212, 28°C, F-1, C-1, C-4) (175, 1360, 1364)

***Streptomyces griseoaurantiacus*** (Krassilnikov and Yuan 1965) Pridham 1970

Ac-1728 Type <-- RIA, RIA 1342(=INMI AK-5). (ISP 5430; RIA 1342; ATCC 19840; CBS 682.72; DSM 40430; IFO 13381; JCM 4763). Ex: soil, Crimea. (Medium 205, 28°C, F-1) (675, 1360, 1361)

***Streptomyces griseobrunneus*** Waksman 1961

Ac-753 Type <-- IBPM, ISP 5066. (ISP 5066; RIA 1042; ATCC 19762; CBS 500.68; DSM 40066; IFO 12775; IMET 42052; JCM 4380; NCIMB 12975; NRRL B-2095). Ex: sewage. (Medium 191, 28°C, F-1, C-1) (1356)

***Streptomyces griseocarneus*** (Benedict et al. 1950) Witt and Stackebrandt 1991

Ac-718 <-- IBPM, ISP 5520. (ISP 5520; RIA 1389; ATCC 17963; CBS 729.72; IFO 13428; DSM 40520; JCM 4845; NRRL B-12481). Received as: "*Streptovercillium tropicalense*" (Gupta 1965) Shirling and Gottlieb 1972 Type. Ex: soil, India. (Medium 205, 28°C, F-1, C-1) (941, 1360, 1364)

Ac-881 Type <-- RIA, RIA 1043. (ISP 5004; RIA 1043; ATCC 12628, 19763; CBS 501.68; DSM 40004; IFO 3387, 12776; IPV 1959; JCM 4095, 4580; NRRL B-1068). Received as: *Streptovercillium griseocarneum*. Synonym: *Streptovercillium griseocarneum* (Benedict et al. 1950) Baldacci et al. 1966 Type. Ex: soil. (Medium 8, 28°C, F-1, C-1) (790, 1170, 1356, 1358, 2731)

Ac-888 <-- RIA, RIA 1432. (ISP 5577; RIA 1432; ATCC 27464; CBS 772.72; DSM 40577; IFO

13471; IPV 2047; JCM 4547, 4829; NCIMB 12982; NRRL 2974). Received as: *Streptovercillium septatum*. Synonym: *Streptomyces septatus* (Locci et al. 1969) Witt and Stackebrandt 1991 Type, *Streptovercillium septatum* Locci et al. 1969 Type. Ex: soil, USA. (Medium 8, 28°C, F-1, C-1) (1360, 1364, 1374, 2731)

***Streptomyces griseoflavus*** (Krainsky 1914) Waksman and Henrici 1948

Ac-993 Type <-- RIA, RIA 1236. (ISP 5456; RIA 1236; IFO ATCC 25456; CBS 689.69; DSM 40456; ETH 10249; 13044; IMET 43530; JCM 4479; LMG 19344; NRRL B-5312). Ex: garden soil. (Medium 8, 28°C, F-1) (1353, 1359, 1364)

***Streptomyces griseofuscus*** Sakamoto et al. 1962

Ac-1707 Type <-- RIA, RIA 1145. (ISP 5191; RIA 1145; ATCC 23916; CBS 837.68; DSM 40191; IFO 12870; JCM 4276, 4641; NCIMB 9821). Ex: soil. (Medium 205, 28°C, F-1) (1354, 1364, 3361)

***Streptomyces griseoalbus*** (Kudrina 1957) Pridham et al. 1958

Ac-1739 Type <-- RIA, RIA 1238. (ISP 5468; INA 1875/54; RIA 1238; ATCC 23624, 25458; CBS 691.69; DSM 40468; IFO 13046; JCM 4480; NRRL B-12383). Ex: soil. (Medium 215, 28°C, F-1) (1359, 1364)

***Streptomyces griseolus*** (Waksman 1923) Waksman and Henrici 1948

Ac-1726 Type <-- RIA, RIA 1044. (ISP 5067; RIA 1044; ATCC 3325, 19764; CBS 502.68; DSM 40067; IFO 3415, 3719, 12777; JCM 4042, 4043, 4581). Ex: soil. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces griseoluteus*** Umezawa et al. 1950

Ac-976 Type <-- RIA, RIA 1336. (ISP 5392; RIA 1336; ATCC 12768; CBS 676.72; DSM 40392; HUT 6058; IFO 13375; JCM 4041, 4765; LMG 19356; NRRL B-1315). Ex: soil, potato field, Japan, Tokyo. (Medium 212, 28°C, F-1, C-1) (424, 1360, 1364)

***Streptomyces griseomycini*** (Preobrazhenskaya et al. 1957) Pridham et al. 1958

Ac-1090 <-- INA, INA 3777. Ex: soil. (Medium 209, 28°C, F-1, C-1) (1364)

***Streptomyces griseoplanus*** Backus et al. 1957

Ac-1727 Type <-- RIA, RIA 1046. (ISP 5009; RIA 1046; ATCC 19766; CBS 504.68; DSM 40009; IFO 12779; JCM 4300, 4582; NCIMB 9811). Ex: grassland soil near Williamsberg, USA, Iowa. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces griseorubens*** (Preobrazhenskaya et al. 1957) Pridham et al. 1958

Ac-1894 Type <-- RIA, RIA 1047. (ISP 5160; INA 6124/54; RIA 1047; ATCC 19767, 19909; CBS 505.68; DSM 40160; IFO 12780; JCM 4383; NCIMB 9846). Ex: soil. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces griseoruber*** Yamaguchi and Saburi 1955

Ac-1900 Type <-- RIA, RIA 1195. (ISP 5281; RIA 1195; ATCC 23919; CBS 903.68; DSM 40281; IFO 12873; JCM 4200, 4642). (Medium 209, 28°C, F-1) (1354, 1364)

***Streptomyces griseorubiginosus*** (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958

Ac-1203 Type <-- RIA, RIA 1239. (ISP 5469; INA 7712; RIA 1239; ATCC 23627, 25459; CBS 692.69; DSM 40469; IFO 13047; JCM 4481). Ex: soil, USSR. (Medium 209, 28°C, F-1, C-1) (1359, 1364)

***Streptomyces griseosporus*** Niida and Ogasawara 1960

Ac-1731 Type <-- RIA, RIA 1419. (ISP 5562; RIA 1419; ATCC 27435; CBS 759.72; DSM 40562;

IFO 13458; JCM 4766). Ex: soil, Formosa, Taito district. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces griseostramineus*** (Preobrazhenskaya et al. 1957) Pridham et al. 1958

Ac-968 Type <-- RIA, RIA 1048. (ISP 5161; RIA 1048; INA 10381; ATCC 23628, 19768; CBS 506.68; DSM 40161; ETH 23436; IFO 12781; JCM 4385; NRRL B-5422). Ex: soil, Caucasus. (Medium 212, 28°C, F-1, C-1) (33, 1356, 1364)

***Streptomyces griseoviridis*** Anderson et al. 1956

Ac-622 Type <-- INMI, VKM A-622 <-- RIA, RIA 1170. (ISP 5229; RIA 1170; ATCC 23920; CBS 904.68; DSM 40229; IFO 12874; JCM 4250, 4643; LMG 19321; NCIMB 9853; NRRL 2427). Ex: soil, Tehas, USA. (Medium 8, 28°C, F-1, C-1) (178, 1354, 1364)

***Streptomyces griseus*** subsp. ***griseus*** (Krainsky 1914) Waksman and Henrici 1948

Ac-483 <-- INMI, VKM A-483 <-- Krassilnikov N.A., INMI 1448. (ISP 5200; VKM Ac-830; RIA 333, 1152; ATCC 15886, 23966; CBS 949.68; DSM 40200; IFO 12918; JCM 4420;).

Received as: "*Streptomyces (Actinomyces) streptomycini*" Krassilnikov 1949 Type. Ex: soil, maize field, Ukraine, Odessa. (Medium 209, 28°C, F-1) (1001, 1354, 1364, 2048)

Ac-800 Type <-- INA, ISP 5236. (ISP 5236; RIA 1176; ATCC 23345, 23921; CBS 905.68; DSM 40236; IFO 12875, 15744; JCM 4047, 4644; NCIMB 13023; NRRL B-2682). Ex: soil. (Medium 205, 28°C, F-1) (1354)

***Streptomyces halstedii*** (Waksman and Curtis 1916) Waksman and Henrici 1948

Ac-1768 Type <-- INA, ISP 5068. (ISP 5068; RIA 1050; ATCC 10897, 19770; CBS 508.68; DSM 40068; IFO 12783, 13274; JCM 4584; NCIMB 9839; NRRL B-1238). Ex: deeper soil layers. (Medium 207, 28°C, F-1) (1356, 1364)

***Streptomyces hawaiiensis*** Cron et al. 1956

Ac-1761 Type <-- RIA, RIA 1051. (ISP 5042; RIA 1051; ATCC 12236, 19771; CBS 509.68; DSM 40042; IFO 12784; JCM 4172, 4585; NCIMB 9410). Ex: soil, Hawaii. (Medium 207, 28°C, F-1) (1356, 1364)

***Streptomyces heliomycini*** (ex Gauze et al. 1958) Preobrazhenskaya 1986

Ac-1778 Type <-- INA, INA 2915. (INA 2915; DSM 41690; IFO 15899; JCM 9767). Synonym: "*Actinomyces flavochromogenes* subsp. *heliomycini*" Gauze et al. 1958. (Medium 205, 28°C, F-1) (810, 1364)

***Streptomyces helveticus*** (Krassilnikov et al. 1965) Pridham 1970

Ac-192 Type <-- INMI, VKM A-192 <-- Krassilnikov N.A., INMI 1013 B (ISP 5431; RIA 1343; ATCC 19841; CBS 683.72; DSM 40431; IFO 13382; JCM 4768; NRRL B-12365).

Synonym: "*Actinomyces helveticus*" Krassilnikov et al. 1965 Type. Ex: soil, Pamirs, USSR. (Medium 209, 28°C, F-1, C-1) (18, 1360, 1361, 1364)

***Streptomyces herbaricolor*** Kawato and Shinobu 1959

Ac-793 Type <-- IBPM, ISP 5123. (ISP 5123; RIA 654, 1126; ATCC 23922; CBS 424.61, 906.68; DSM 40123; IFO 3932, 12876; JCM 4138, 4645; NCIMB 9837; NRRL B-3299). Ex: soil, Japan. (Medium 209, 28°C, F-1, C-1) (1354)

***Streptomyces hirosheimensis*** (Shinobu 1955) Witt and Stackebrandt 1991

Ac-821 <-- Konev Y.E VNITIAF, LIA 0378 <-- Locci R., IPV 174. (RIA 1622; LIA 0378; IPV 174; ATCC 23654; DSM 40845; JCM 4272). Received as: *Streptoverticillium baldaccii*.

Synonym: *Streptomyces baldaccii* (Farina and Locci 1966) Witt and Stackebrandt 1991 Type, *Streptoverticillium baldaccii* Farina and Locci 1966 Type. Ex: soil, Italy. (Medium 205, 28°C, F-1, C-1) (67, 1358, 1364, 2731)

- Ac-880 <-- RIA, RIA 1087. (ISP 5039; RIA 1087; ATCC 19807; CBS 560.68; DSM 40039; IFO 3844, 12817; IPV 2003; JCM 4103, 4607; NRRL B-1933). Received as: *Streptovercillium roseovercillatum*. Synonym: *Streptomyces roseovercillatus* (Shinobu 1956) Witt and Stackebrandt 1991 Type, *Streptovercillium roseovercillatum* (Shinobu 1956) Farina and Locci 1966 Type. Ex: soil, Japan. (Medium 8, 28°C, F-1, C-1) (1356, 1358, 1364, 2731)
- Ac-882 <-- RIA, RIA 1304. (ISP 5086; RIA 1304; ATCC 27429; NRRL 2755; IPV 2021; CBS 644.72; IFO 13343; DSM 40086; JCM 4310, 4750). Received as: *Streptovercillium fervens*. Synonym: *Streptomyces fervens* (De Boer et al. 1960) Witt and Stackebrandt 1991 Type, *Streptovercillium fervens* subsp. *fervens* Baldacci and Locci 1969 Type. Ex: soil, USA, California. (Medium 8, 28°C, F-1, C-1) (789, 1360, 1364, 2731)
- Ac-884 <-- RIA, RIA 1213. (ISP 5387; RIA 681,1213; ATCC 15853,25433; CBS 664.69; IFO 13021; IPV 2035, 2051; DSM 40387; JCM 4457; NRRL B-3325). Synonym: *Streptomyces aureoversilis* (Locci et al. 1969) Witt and Stackebrandt 1991 Type, *Streptovercillium aureoversile* Locci et al. 1969 Type. Former name: "*Actinomyces aureoversales*" Yuan 1961 Type. Ex: soil, China, Pekin. (Medium 8, 28°C, F-1, C-1) (946, 1358, 1359, 1364)
- Ac-891 <-- RIA, RIA 1190. (ISP 5272; INA 10204/54; RIA 1190; ATCC 23615, 23888; CBS 668.68; DSM 40272; IFO 12845; IPV 754, 1594; JCM 4431). Received as: *Streptovercillium biverticillatum*. Synonym: *Streptomyces biverticillatus* (Preobrazhenskaya 1957) Witt and Stackebrandt 1991 Type, *Streptovercillium biverticillatum* (Preobrazhenskaya 1957) Farina and Locci 1966 Type. Ex: soil, USSR, region of hot climate. (Medium 205, 28°C, F-1, C-1) (785, 1354, 1364, 2731)
- Ac-902 Type <-- RIA, RIA 1052. (ISP 5037; RIA 1052; ATCC 19772; CBS 510.68; DSM 40037; IFO 3839, 12785; IPV 2015, 2024; JCM 4098, 4586; NRRL B-1823). Received as: *Streptovercillium hiroschimense*. Synonym: *Streptovercillium hiroschimense* (Shinobu 1955) Farina and Locci 1966 Type, "*Streptomyces hiroschimensis*" Shinobu 1955 "*Verticillomyces hiroschimensis*" (Shinobu 1955) Shinobu 1965. Ex: soil, Japan. (Medium 205, 28°C, F-1, C-1) (1356, 1364, 2731)
- Ac-944 <-- Konev Y.E. VNITIAF, LIA 0481 <--KCC, KCC S-0083. (LIA 0481; BCRC 12456; DSM 40895; HUT 6085; IFO 15865; IPV 925, 1765, 2019; JCM 4083; NRRL B-1472). Synonym: *Streptomyces salmonis* (Baldacci et al. 1966) Witt and Stackebrandt 1991 Type, *Streptovercillium salmonis* (Baldacci et al. 1966) Locci et al. 1969 Type. Ex: soil. (Medium 8, 28°C, F-1, C-1) (1170, 1360)
- Ac-1503 <-- RIA, RIA 1271. (ISP 5436; RIA 1271; ATCC 19845, 25491; CBS 951.69; DSM 40436; IFO 13079; IPV 1852; JCM 4511). Received as: *Streptovercillium rectiverticillatum*. Synonym: *Streptomyces rectiverticillatus* (Krassilnikov and Yuan 1965) Witt and Stackebrandt 1991 Type, *Streptovercillium rectiverticillatum* Krassilnikov and Yuan 1965 Type. Ex: soil. (Medium 205, 28°C, F-1, C-1) (675, 1358, 1359, 1374, 2731)

***Streptomyces hirsutus*** Ettliger et al. 1958

- Ac-623 Type <-- INMI, VKM A-623. <-- RIA, RIA 1053. (ISP 5095; RIA 1053; ATCC 19773; CBS 511.68; DSM 40095; IFO 12786; JCM 4191, 4587; NRRL B-2713). Ex: soil, Switzerland. (Medium 205, 28°C, F-1, C-1) (268, 1356, 1364)

***Streptomyces humidus*** Nakazawa and Shibata 1956

- Ac-1703 Type <-- RIA, RIA 1186. (ISP 5263; RIA 1186; ATCC 12760, 23923; CBS 907.68; DSM 40263; IFO 12877; JCM 4386). (Medium 213, 28°C, F-1)(1354, 3357)

***Streptomyces humiferus*** Goodfellow et al. 1986

- Ac-644 Type <-- INMI, VKM A-644 <-- RIA, RIA 729. (RIA 729; ATCC 15719, 15812; DSM 43030; IFO 12244; IMET 43409; JCM 3037; NCIMB 10164). Received as: *Actinopycnidium caeruleum*. Synonym: *Actinopycnidium caeruleum* Krassilnikov 1962 Type. Ex: soil, USSR. (Medium 205, 28°C, F-1, C-1) (722, 810, 912, 1357, 1361)

***Streptomyces hydrogenans*** Lindner et al. 1958

Ac-1919 Type <-- RIA, RIA 1436. (ISP 5586; RIA 1436; ATCC 19631; CBS 776.72; DSM 40586; IFO 13475; JCM 4771). Ex: soil. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces hygroscopicus*** subsp. ***hygroscopicus*** (Jensen 1931) Waksman and Henrici 1948

Ac-831 Type <-- RIA, RIA 1433. (ISP 5578; RIA 1433; ATCC 27438; CBS 773.72; DSM 40578; IFO 13472; JCM 4772; NRRL 2387). (Medium 13, 28°C, F-1, C-1) (1360, 1364, 3020)

***Streptomyces iakyrus*** deQuerioz and Albert 1962

Ac-201 Type <-- INMI, VKM A-201 <-- Krassilnikov N.A. INMI 15375. (ISP 5482; RIA 1362; ATCC 15375; CBS 702.72; DSM 40482; IFO 13401; JCM 4254, 4773). Ex: soil, Brazil. (Medium 209, 28°C, F-1, C-1) (993, 1360)

***Streptomyces ipomoeae*** (Person and Martin 1940) Waksman and Henrici 1948

Ac-1734 Type <-- RIA, RIA 1242. (ISP 5383; RIA 1242; ATCC 25462; CBS 695.69; DSM 40383; IFO 13050). Ex: soft rot of sweet potatoes. (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces janthinus*** (Artamonova and Krassilnikov 1960) Pridham 1970

Ac-208 Type <-- INMI, VKM A-208 <-- Krassilnikov N.A., INMI 117. (ISP 5206; RIA 659, 1155; ATCC 15870, 23925; CBS 909.68; DSM 40206; IFO 12879; JCM 4387). Synonym: "*Actinomyces janthinus*" Artamonova and Krassilnikov 1960 Type. Ex: chestnut soil, Russia, Zavolzhje. (Medium 212, 28°C, F-1) (16, 1363, 1354, 1361, 1364)

***Streptomyces kanamyceticus*** Okami and Umezawa 1957

Ac-837 Type <-- RIA, RIA 690. (ISP 5500; RIA 690, 1375; ATCC 12853; CBS 715.72; DSM 40500; IFO 13414; JCM 4433, 4775; NCIMB 9343). Ex: soil, Japan. (Medium 13, 28°C, F-1, C-4) (746, 1360, 1364)

***Streptomyces katrae*** Gupta and Chopra 1963

Ac-1220 Type <-- RIA, RIA 1408. (ISP 5550; RIA 794, 1408; ATCC 27440; CBS 748.72; DSM 40550; IFO 13447; JCM 4777; NRRL B-3093). Ex: soil, India. (Medium 205, 28°C, F-1, C-1) (1020, 1360)

***Streptomyces kunmingensis*** (Ruan et al. 1985) Goodfellow et al. 1986

Ac-895 Type <-- Lechevalier M.P. USA, 80-3024. (ATCC 35682; DSM 41681; IFO 14463; JCM 7473; NRRL B-16240). Received as: *Chainia kunmingensis*. Synonym: *Chainia kunmingensis* Ruan et al. 1985 Type. Ex: soil, China. (Medium 214, 28°C, F-1, C-1) (807, 810, 911)

***Streptomyces kurssanovii*** (Preobrazhenskaya et al. 1957) Pridham et al. 1958

Ac-715 <-- INA, INA 397. (INA 397). Suggested neotype. Ex: soil. (Medium 207, 28°C, F-1, C-1) (1364)

***Streptomyces lateritius*** (Sveshnikova 1957) Pridham et al. 1958

Ac-1849 Type <-- INA, INA 6993. (ISP 5163; VKM Ac-577; INA 6993; RIA 1056; ATCC 19776, 19913; CBS 514.68; DSM 40163; IFO 12788; JCM 4389). Ex: soil. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces lavendofoliae*** (Kuchaeva et al. 1961) Pridham 1970

Ac-272 Type <-- INMI, VKM A-272 <-- Krassilnikov N.A. <-- INA, INA 3613. (ISP 5217; RIA 750, 1161; ATCC 15872, 23928; CBS 912.68; DSM 40217; IFO 12882; JCM 4391). Synonym: "*Actinomyces lavendofoliae*" Kuchaeva et al. 1961. Ex: soil. (Medium 205, 28°C, F-1, C-1) (64, 1361)

***Streptomyces lavendulae*** subsp. ***grasserius*** (Kuchaeva et al. 1961) Pridham 1970

Ac-1178 Type <-- INMI, INMI 3(=IAM 2A-458). (ISP 5385; RIA 746, 1237; ATCC 15875, 25457; CBS 690.69; DSM 40385; IAM 2A-458; IFO 13045; JCM 4056, 4556). Synonym: "*Streptomyces griseolavendus*" Sumiki et al. 1957, "*Actinomyces lavendulae grasserius*" Kuchaeva et al. 1961 Type. Ex: soil, Japan, Tokyo. (Medium 209, 28°C, F-1, C-1) (64, 1359, 1364)

***Streptomyces lavendulae*** subsp. ***lavendulae*** (Waksman and Curtis 1916) Waksman and Henrici 1948

Ac-216 <-- INMI, VKM A-216 <-- Krassilnikov N.A., INMI 1304. Ex: soil, Crimea. (Medium 205, 28°C, F-1, C-1) (1361)

Ac-217 <-- INMI, VKM A-217 <-- Krassilnikov N.A. INMI, 9000. (RIA 123; ATCC 14162; DSM 41576; IFO 12344; NCIMB 9000). (Medium 205, 28°C, F-1, C-1) (64)

Ac-280 <-- INMI, VKM A-280 <-- Krassilnikov N.A., INMI 2286. Received as: "*Streptomyces (Actinomyces) rectilavendulae*" Krassilnikov 1970. Synonym: "*Streptomyces (Actinomyces) pseudolavendulae*" Kuchaeva et al. 1961. Ex: soil, Caucasus, USSR. (Medium 205, 28°C, F-1, C-1) (64, 1361)

Ac-597 <-- INMI, VKM A-597 <-- KCC S-0118. (ATCC 11611; BCRC 10307; DSM 40798; ETH 16699; IFO 3125; JCM 4118). Received as: "*Streptomyces acidomyces*" Ogata et al. 1961 Type. (Medium 205, 28°C, F-1, C-1) (1364)

Ac-624 Type <-- INMI, VKM A-624 <-- RIA, RIA 1057. (ISP 5069; VKM Ac-281; RIA 144, 531, 1057; ATCC 8664; CBS 515.68; DSM 40069; IFO 3177, 12789; IMRU 3440-8; JCM 4055, 4589). Ex: soil. (Medium 205, 28°C, F-1, C-1) (1356, 1357, 1361, 1364)

Ac-1177 <-- INMI, INMI 30. (IFO 3146; JCM 4263; NRRL B-3080). Green aerial mycelium natural mutant of strain *S. lavendulae* IFO 3145. (Medium 209, 28°C, F-1, C-1)

Ac-1214 <-- RIA, RIA 1415. (ISP 5558; RIA 1415; ATCC 27425; CBS 755.72; DSM 40558; IFO 13454; NRRL B-1990; JCM 4675; 4740). Synonym: *Streptomyces colombiensis* Pridham et al. 1958 Type. (Medium 191, 28°C, F-1, C-1) (1360)

Ac-1278 <-- RIA, RIA 1159. (ISP 5213; RIA 744, 1159; ATCC 23950; DSM 40213; IFO 12903; IMRU 3440). Received as: "*Streptomyces (Actinomyces) pseudolavendulae*" Kuchaeva et al. 1961 Type. (Medium 209, 28°C, F-1, C-1) (64)

***Streptomyces lavenduligriseus*** (Locci et al. 1969) Witt and Stackebrandt 1991

Ac-934 <-- Konev Y.E VNITIAF, LIA 0962 <-- RIA, RIA 1628. (RIA 1628; IPV 2206). Received as: *Streptovercillium lavenduligriseum*. Synonym: *Streptovercillium lavenduligriseum* Locci et al. 1969. Ex: soil, USA. (Medium 13, 28°C, F-1, C-1)

Ac-1159 Type <-- RIA, RIA 1366. (ISP 5487; RIA 1366; ATCC 13306, 29661; CBS 706.72; DSM 40487; IFO 13405; JCM 4545, 4779; NRRL B-3173). Received as: *Streptovercillium lavenduligriseum*. Synonym: *Streptovercillium lavenduligriseum* Locci et al. 1969 Type. Ex: soil, Malaya. (Medium 209, 28°C, F-1, C-1) (108, 1358, 1360, 1364, 2731)

***Streptomyces lavendulocolor*** (Kuchaeva et al. 1961) Pridham 1970

Ac-215 Type <-- INMI, VKM A-215 <-- Krassilnikov N.A. INMI <-- INA, INA 4518. (ISP 5216; RIA 749, 1160; INA 4518; ATCC 15871, 23927; CBS 911.68; DSM 40216; IFO 12881; JCM 4390). Synonym: "*Actinomyces lavendulocolor*" Kuchaeva et al. 1961 Type. Ex: soil. (Medium 205, 28°C, F-1, C-1) (64)

***Streptomyces levis*** Sveshnikova 1986

Ac-835 Type <-- INA, INA 9020. (INA 9020; ATCC 43686; DSM 41458; IFO 15423; JCM 6924; NRRL B-16370). Ex: soil. Medium 205, 28°C, F-1, C-1) (810, 942, 1364)

***Streptomyces libani*** subsp. ***libani*** Baldacci and Grein 1966

Ac-1905 Type <-- RIA, RIA 1413. (ISP 5555; RIA 1413; ATCC 27732; CBS 753.72; DSM 40555; IFO 13452; IPV 1945; JCM 4322, 4781; NCIMB 11012; NRRL B-3446). Ex: soil, Lebanon, Biblos. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces libani*** subsp. ***rufus*** Baldacci and Grein 1966

Ac-600 Type <-- INMI, VKM A-600 <-- KCC, KCC S-0325. (ATCC 23731; DSM 41230; IFO 15424; IPV 1942; JCM 4325; NCIMB 10976; NRRL B-3445). Ex: soil, Argentina. (Medium 205, 28°C, F-1) (1171, 1353)

***Streptomyces lienomycini*** Gauze and Maximova 1986

Ac-1767 Type <-- INA, INA 478. (INA 478; ATCC 43687; DSM 41475; IFO 15425; JCM 6925). (Medium 214, 28°C, F-1) (810, 1364)

***Streptomyces lilacinus*** (Nakazawa et al. 1956) Witt and Stackebrandt 1991

Ac-885 <-- RIA, RIA 1325. (ISP 5336; RIA 1325; ATCC 27439; CBS 665.72; DSM 40336; IFO 13364, 13906; JCM 4776; NRRL B-3103). Received as: *Streptovercillium kashmirensis*.  
Synonym: *Streptomyces kashmirensis* (Gupta and Chopra 1963) Witt and Stackebrandt 1991 Type, *Streptovercillium kashmirensis* (Gupta and Chopra 1963) Locci et al. 1969 Type. Ex: soil, Kashmir, India. (Medium 205, 28°C, F-1, C-1) (1358, 1360, 1364, 2731)  
Ac-962 Type <-- Konev Y.E VNITIAF, LIA 0759 <-- RIA, RIA 1180. (ISP 5254; RIA 1180; LIA 0759; ATCC 23930; CBS 914.68; DSM 40254; IFO 3944, 12884; IPV 2053, 1999; JCM 4188, 4648). Received as: *Streptovercillium lilacinum*. Synonym: *Streptovercillium lilacinum* Nakazawa et al. 1956 Type. Ex: soil, Japan. (Medium 212, 28°C, F-1, C-1) (1354, 1358, 1364, 2731)

***Streptomyces limosus*** Lindenbein 1952

Ac-850 Type <-- RIA, RIA 1058. (ISP 5131; RIA 1058; ATCC 19778; CBS 531.68; DSM 40131; IFO 12790; JCM 4393). Ex: silt, bank. (Medium 205, 28°C, F-1) (786, 1356, 1364)

***Streptomyces lincolnensis*** Mason et al. 1963

Ac-727 Type <-- IBPM, ISP 5355. (ISP 5355; RIA 1246; ATCC 25446; CBS 630.70, 699.69; DSM 2013, 40355; IFO 13054; JCM 4287, 4488; NCIMB 9413; NRRL B-2936). Ex: soil, USA. (Medium 209, 28°C, F-1, C-1) (1359)

***Streptomyces litmocidini*** (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958

Ac-1887 Type <-- RIA, RIA 1060. (ISP 5164; RIA 1060; ATCC 19780, 19914; CBS 533.68; DSM 40164; IFO 12792; JCM 4394; NRRL B-3635). (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces longisporoflavus*** Waksman 1953

Ac-1003 Type <-- RIA, RIA 1133. (ISP 5165; RIA 312, 1133; INA 81/53; ATCC, 19781, 19915, 23932; CBS 915.68; DSM 40165; IFO 12886; JCM 4396; IMET 43506). Synonym: "*Actinomyces longisporus flavus*" Krassilnikov 1941. Ex: soil, USSR. (Medium 215, 28°C, F-1, C-1) (927, 1354, 1364)

***Streptomyces longispororuber*** Waksman 1953

Ac-1735 Type <-- RIA, RIA 1449. (ISP 5599; INA 11668/54; RIA 1449; ATCC 27443; CBS 789.72; DSM 40599; IFO 13488; JCM 4784; NCIMB 9629; NRRL B-3736, B-5761). Synonym: "*Actinomyces longisporus ruber*" Krassilnikov 1941. (Medium 215, 28°C, F-1) (1360, 1361, 1364)

***Streptomyces longisporus*** (Krassilnikov 1941) Waksman 1953

Ac-1896 Type <-- RIA, RIA 1134. (ISP 5166; RIA 1134; ATCC 23931; CBS 916.68; DSM 40166; IFO 12885; JCM 4395). (Medium 205, 28°C, F-1) (1354, 1364)

***Streptomyces lucensis*** Arcamone et al. 1957

Ac-1737 Type <-- RIA, RIA 1248. (ISP 5317; RIA 1248; ATCC 17804, 25468; CBS 701.69; DSM 40317; IFO 13056; JCM 4490; NCIMB 12679; NRRL B-5626, B-16066). Ex: soil.

(Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces luridus*** (Krassilnikov et al. 1957) Waksman 1961

Ac-245 Type <-- INMI, VKM A-245 <-- Krassilnikov N.A., INMI 111. (ISP 5081; VKM Ac-737; RIA 1061; ATCC 19782; CBS 534.68; DSM 40081; IFO 12793; JCM 4591; LMG 19365; NRRL B-5409). Synonym: "*Actinomyces luridus*" Krassilnikov et al. 1957 Type. Ex: soil, USSR. (Medium 205, 28°C, F-1, C-1) (721, 1356)

***Streptomyces lusitanus*** Villax 1963

Ac-1194 Type <-- RIA, RIA 1425. (ISP 5568; RIA 1425; ATCC 15842, 27444; CBS 765.72; DSM 40568; IFO 13464; JCM 4785; NCIMB 9585). Ex: soil. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces luteogriseus*** Schmitz et al. 1964

Ac-1913 Type <-- RIA, RIA 1363. (ISP 5483; RIA 1363; ATCC 15072; CBS 703.72; IFO 13402; JCM 4786). Ex: soil, alfalfa field, France. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces luteosporus*** Witt and Stackebrandt 1991

Ac-927 Type <-- DSM, DSM 40833. (ATCC 33049; DSM 40833; IFO 14657; IPV 1993; JCM 4542; NRRL 2401). Received as: *Streptoverticillium album*. Synonym: *Streptoverticillium album* Locci et al. 1969 Type. (Medium 205, 28°C, F-1, C-1) (1358, 1364, 1374, 2731)

***Streptomyces lydicus*** De Boer et al. 1956

Ac-1869 Type <-- INA, ISP 5461. (ISP 5461; RIA 1250; ATCC 25470; CBS 703.69; DSM 40461; IFO 13058; JCM 4492; NCIMB 12977; NRRL 2433). Ex: soil, USA, Michigan. (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces macrosporus*** (ex Krassilnikov et al. 1968) Goodfellow et al. 1988

Ac-777 Type <-- Agre N.S. IBPM, 2892. (ATCC 51533; DSM 41449; HUT 6608; IFO 14748; JCM 6305; NCIMB 12473). Synonym: "*Actinomyces macrosporus*" Krassilnikov et al. 1968. Ex: soil, Tibet. (Medium 8, 27-40°C, F-1) (827, 1007, 1046)

Ac-778 <-- Agre N.S. IBPM, 3295. Synonym: "*Actinomyces macrosporus*" Krassilnikov et al. 1968. Ex: soil, Tibet. (Medium 8, 27-40°C, F-1) (1007)

***Streptomyces malachitofuscus*** (ex Preobrazhenskaya et al. 1964) Preobrazhenskaya and Terekhova 1986

Ac-1850 Type <-- INA, INA 739. (ISP 5332; INA 739; RIA 1251; ATCC 25471; CBS 881.69; DSM 40332; IFO 13059; JCM 4493). Synonym: "*Actinomyces malachitofuscus*" Preobrazhenskaya et al. 1964 (Medium 205, 28°C, F-1) (810, 1359, 1364)

***Streptomyces malachitospinus*** (ex Preobrazhenskaya et al. 1957) Preobrazhenskaya and Terekhova 1986

Ac-2514 <-- DSM, DSM 41828. (DSM 41828; NRRL B-11363) Synonym: "*Actinomyces malachitospinus*" Preobrazhenskaya et al. 1957. (Medium 207, 28°C, F-1)

***Streptomyces mashuensis*** (Sawazaki et al. 1955) Witt and Stackebrandt 1991

Ac-931 <-- Konev Y.E VNITIAF, LIA 0962 <-- RIA, RIA 1244. (ISP 5397; RIA 1244; ATCC 25464; CBS 697.69; DSM 40397; IFO 13052; IPV 2026; JCM 4486). Received as: *Streptoverticillium kishiwadense*. Synonym: *Streptomyces kishiwadensis* (Shinobu and Kayamura 1964) Witt and Stackebrandt 1991 Type, *Streptoverticillium kishiwadense* (Shinobu and Kayamura 1964) Locci et al. 1969 Type. Ex: soil, Japan. (Medium 8, 28°C, F-1, C-1) (819, 1358, 1359, 1364, 2731)

Ac-949 Type <-- Konev Y.E VNITIAF, LIA 0765 <-- RIA, RIA 1165. (ISP 5221; RIA 1165; ATCC 23934; CBS 279.65, 918.68; DSM 40221; IFO 12888; JCM 4059, 4650). Received as:

*Streptovercillium mashuense*. Synonym: *Streptovercillium mashuense* (Sawazaki et al. 1955) Locci et al. 1969 Type. Ex: soil, Mashu Lake, Hokkaido, Japan. (Medium 13, 28°C, F-1, C-1) (1354, 1358, 1364, 2731)

***Streptomyces massasporeus*** Shinobu and Kawato 1959

Ac-578 Type <-- INMI, VKM A-578 <-- RIA, RIA 1064. (ISP 5035; RIA 652, 1064; ATCC 19785; CBS 537.68; DSM 40035; IFO 3841, 12796; JCM 4139, 4593; LMG 19362; NRRL B-3300). Ex: soil, Japan. (Medium 205, 28°C, F-1) (300, 1356, 1364)

***Streptomyces mediolani*** Arcamone et al. 1969

Ac-1917 Type <-- RIA, RIA 955. (RIA 955; ATCC 33021; DSM 41058, 41647; IFO 15427; JCM 5076; NCIMB 10969). Ex: soil, Italy, Milano. (Medium 205, 28°C, F-1) (1364, 1366)

***Streptomyces megasporus*** (ex Krassilnikov et al. 1968) Agre 1986

Ac-1776 Type <-- INA, INA M-22(=INMI 2869). (INA M-22; ATCC 43688; DSM 41476; HUT 6610; IFO 14749; JCM 6926; NRRL B-16372). (Medium 207, 45°C, F-1) (810, 1364)

***Streptomyces melanosporofaciens*** Arcamone et al. 1959

Ac-1864 Type <-- RIA, RIA 1253. (ISP 5318; RIA 1253; ATCC 25473; CBS 883.69; DSM 40318; IFO 13061; JCM 4495; NCIMB 12978). (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces michiganensis*** Corbaz et al. 1957

Ac-862 Type <-- RIA, RIA 1065. (ISP 5015; RIA 1065; ATCC 14970, 19786; CBS 538.68; DSM 40015; IFO 12797; JCM 4594). Ex: soil, USA, Michigan. (Medium 205, 28°C, F-1) (264, 1356, 1364)

***Streptomyces microflavus*** (Krainsky 1914) Waksman and Henrici 1948 emend. Lanoot et al. 2005.

Ac-113 <-- INMI, VKM A-113 <-- Krassilnikov N.A., INMI 38 <-- Baldacci E. Received as: "*Actinomyces cretaceus*". Synonym: *Streptomyces griseus* subsp. *cretosus* Pridham 1970, "*Actinomyces cretaceus*" (Kruger 1904) Krassilnikov 1941. (Medium 209, 28°C, F-1) (717)

Ac-603 <-- INMI, VKM A-603 <-- KCC, KCC S-0711. (ATCC 27357; CBS 426.75; DSM 40752; IFO 13306; JCM 4711; NRRL 3584). Received as: *Streptomyces lipmanii*. Synonym: *Streptomyces lipmanii* (Waksman and Curtis 1916) Waksman and Henrici 1948. Ex: soil, South America. (Medium 205, 28°C, F-1, C-1, C-4)

Ac-712 <-- IBPM, ISP 5561. (ISP 5561; RIA 1418; ATCC 27903; CBS 137.21, 758.72; DSM 40561; IFO 13457; JCM 4742; NRRL B-2252). Received as: "*Streptomyces cretaceus*". Synonym: *Streptomyces griseus* subsp. *cretosus* Pridham 1970 Type, "*Streptomyces cretaceus*" (Kruger 1904) Waksman 1950, "*Actinomyces cretaceus*" (Kruger 1904) Krassilnikov 1941. (Medium 211, 28°C, F-1, C-1) (1360, 1364)

Ac-971 Type <-- RIA, RIA 1254. (ISP 5331; RIA 1254; ATCC 13231, 25474; CBS 124.18, 884.69; DSM 40331; ETH 10206; IFO 13062; JCM 4496; NRRL B-2156, B-2888). Ex: soil. (Medium 212, 28°C, F-1) (1353, 1359, 1364)

Ac-1867 <-- INA, ISP 5459. (ISP 5459; RIA 1352; ATCC 6867; CBS 372.64, 692.72; DSM 40459; IFO 13391; JCM 4861; NCIMB 12984; NCTC 1856; NRRL B-1332). Received as: *Streptomyces willmorei*. Synonym: *Streptomyces willmorei* (Erikson 1935) Waksman and Henrici 1948 Type Ex: man, streptotrichosis of liver. (Medium 205, 28°C, F-1) (1360)

***Streptomyces misakiensis*** Nakamura 1961

Ac-625 Type <-- INMI, VKM A-625 <-- RIA, RIA 1166. (ISP 5222; RIA 1166, ATCC 23938; CBS 278.65, 922.68; DSM 40222; IFO 12891; JCM 4062, 4653; NCIMB 9852; NRRL B-2923). Ex: soil, Japan. (Medium 205, 28°C, F-1, C-1) (429, 1354, 1364)

***Streptomyces misionensis*** Cercos et al. 1962

Ac-626 Type <-- INMI, VKM A-626 <-- RIA, RIA 1255. (ISP 5306; RIA 1255; ATCC 14991,

25475; CBS 885.69, DSM 40306; IFO 13063; JCM 4497; NRRL B-3230). Ex: soil, Argentina. (Medium 13, 28°C, F-1) (1359, 1364)

***Streptomyces mobaraensis*** (Nagatsu and Suzuki 1963) Witt and Stackebrandt 1991

Ac-879 <-- RIA, RIA 1437. (ISP 5587; RIA 1437; ATCC 27441; CBS 777.72; DSM 40587; IFO 13476; JCM 4778; NRRL 3191). Received as: *Streptovercillium ladakanum*. Synonym: *Streptomyces ladakanum* (Hanka et al. 1966) Witt and Stackebrandt 1991 Type, *Streptovercillium ladakanum* Hanka et al. 1966 Type. Ex: soil. (Medium 212, 28°C, F-1, C-1) (880, 1358, 1360, 1364, 2731)

Ac-928 Type <-- DSM, DSM 40847. (RIA 1627; ATCC 29032; CBS 199.75; DSM 40847; IFO 13819; IPV 2058; JCM 4168; NCIMB 11159). Received as: *Streptovercillium mobaraense*. Synonym: *Streptovercillium mobaraense* (Nagatsu and Suzuki 1963) Locci et al. 1969 Type. Ex: soil, Japan. (Medium 205, 28°C, F-1, C-1) (1358, 1364, 2731)

***Streptomyces morookaensis*** (Locci and Schofield 1989) Witt and Stackebrandt 1991

Ac-1916 Type <-- RIA, RIA 1377. (ISP 5503; RIA 1377; ATCC 19166; CBS 717.72; DSM 40503; IFO 13416; JCM 4673, 4793; NRRL B-12429). Synonym: *Streptovercillium morookaense* (ex Niida et al. 1963) Locci and Schofield 1989 Type, "*Streptomyces moro-okaensis*" Niida et al. 1963 Type. Ex: soil, orange orchard, Japan, Nagasaki Pref., Oomura. (Medium 205, 28°C, F-1) (1358, 1360, 1415)

***Streptomyces murinus*** Frommer 1959

Ac-1190 Type <-- RIA, RIA 1067. (ISP 5091; RIA 1067; ATCC 19788; CBS 540.68; DSM 40091; IFO 12799, 14802; JCM 4333, 4595; LMG 10475; NCIMB 12701; NRRL B-2286). Ex: soil. (Medium 205, 28°C, F-1, C-4) (269, 1356, 1364)

***Streptomyces mutabilis*** (Preobrazhenskaya and Ryabova 1957) Pridham et al. 1958

Ac-1851 Type <-- INA, INA B-472. (ISP 5169; INA B-472; RIA 1068; ATCC 19789, 19919; CBS 541.68; DSM 40169; IFO 12800; JCM 4400). Ex: soil, Armenia. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces mutomycini*** Gauze and Maximova 1986

Ac-1779 Type <-- INA, INA 4305. (INA 4305; ATCC 43689; DSM 41691). Former name: "*Actinomyces atroolivaceus* subsp. *mutomycini*" Gauze et al. 1959. (Medium 205, 28°C, F-1) (810, 1364)

***Streptomyces narbonensis*** Corbaz et al. 1955

Ac-1891 Type <-- RIA, RIA 1069. (ISP 5016; RIA 1069; ATCC 19790; CBS 542.68; DSM 40016; IFO 12801; JCM 4147, 4596). Ex: soil, France, Cannes. (Medium 207, 28°C, F-1) (1356, 1364)

***Streptomyces nashvillensis*** McVeigh and Reyes 1961

Ac-1766 Type <-- RIA, RIA 1256. (ISP 5314; RIA 1256; ATCC 25476; CBS 886.69; DSM 40314; IFO 13064; JCM 4498; NRRL B-2606). Ex: soil, USA, Tennessee, Nashville. (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces netropsis*** (Finlay et al. 1951) Witt and Stackebrandt 1991

Ac-820 Type <-- Konev Y.E VNITIAF, LIA 0763. (ISP 5259; RIA 1184; ATCC 23940; CBS 924.68; DSM 40259; IFO 3723, 12893; IPV 880, 1720; JCM 4063, 4655; NRRL 2268). Received as: *Streptovercillium netropsis*. Synonym: *Streptovercillium netropsis* (Finlay et al. 1951) Baldacci et al. 1966 Type. Ex: soil, USA, New York. (Medium 205, 28°C, F-1, C-1) (686, 1170, 1354, 1358, 2731)

Ac-877 <-- RIA, RIA 1114. (ISP 5052; RIA 1114; ATCC 12691, 23926; CBS 910.68; DSM 40052; IFO 12880; IPV 1780; JCM 4153, 4647; NRRL B-1831). Received as: *Streptovercillium*

*kentuckense*. Synonym: *Streptomyces kentuckensis* (Barr and Carman 1956) Witt and Stackebrandt 1991 Type, *Streptoverticillium kentuckense* (Barr and Carman 1956) Baldacci et al. 1966. Ex: soil, Kentucky, USA. (Medium 13, 28°C, F-1, C-1) (710, 1170, 1354, 1358, 2731)

Ac-947 <-- Konev Y.E. VNITIAF, LIA 0791 <-- RIA, RIA 1036. (ISP 5093; ATCC 19756; CBS 494.68; DSM 40093; IFO 12769; IPV 2010; JCM 4307, 4370; NRRL 2820). Received as: *Streptoverticillium flavopersicum*. Synonym: *Streptomyces flavopersicus* (Oliver et al. 1961) Witt and Stackebrandt 1991 Type, *Streptoverticillium flavopersicum* (Oliver et al. 1961) Locci et al. 1969 Type. Ex: soil, USA, Indiana. (Medium 190, 28°C, F-1, C-1) (881, 1356, 1364, 2731)

Ac-948 <-- Konev Y.E VNITIAF, LIA 0959 <-- RIA, RIA 1624. (RIA 1624; DSM 40846; JCM 4544; IPV 1983; NCIMB 8936; NRRL 2886). Received as: *Streptoverticillium distallicum*. Synonym: *Streptomyces distallicus* (Arcamone et al. 1959) Witt and Stackebrandt 1991 Type, *Streptoverticillium distallicum* (Arcamone et al. 1959) Locci et al. 1969 Type. Ex: soil. (Medium 190, 28°C, F-1, C-1) (1358, 1364, 2731)

Ac-1230 <-- Konev Y.E. VNITIAF, LIA 0725. (LIA 0725; DSM 41480, 41502; IFO 15900; JCM 9948). Synonym: *Streptomyces syringium* (Konev 1986) Witt and Stackebrandt 1991 Type, *Streptoverticillium syringium* (ex Konev et al. 1974) Konev 1986 Type. Ex: garden soil under Tbilisi, Georgia. (Medium 209, 28°C, F-1, C-1) (113, 810, 1358, 1364)

***Streptomyces neyagawaensis*** Yamamoto et al. 1960

Ac-1915 Type <-- RIA, RIA 1438. (ISP 5588; RIA 1438; ATCC 27449; CBS 778.72; DSM 40588; IFO 3784, 13477; JCM 4796; NRRL B-3092). Ex: soil, Japan. (Medium 207, 28°C, F-1) (1360, 1364)

***Streptomyces niger*** (Thirumalachar 1955) Goodfellow et al. 1986

Ac-1736 Type <-- RIA, RIA 1323. (ISP 5302; RIA 1323; ATCC 17756; CBS 663.72; DSM 43049; IFO 13362, 13902; JCM 3158; NCIMB 10992). Synonym: *Chainia nigra* Thirumalachar 1955 Type. (Medium 207, 28°C, F-1) (810, 1360, 1364)

***Streptomyces nigrescens*** (Sveshnikova 1957) Pridham et al. 1958

Ac-1705 Type <-- RIA, RIA 1194. (ISP 5276; INA 1800/54; RIA 1194; ATCC 23941; CBS 925.68; DSM 40276; IFO 12894; JCM 4401). (Medium 212, 28°C, F-1) (1354, 1364)

***Streptomyces nitrosporeus*** Okami 1952

Ac-1191 Type <-- RIA, RIA 1071. (ISP 5023; VKM Ac-1202; RIA 503, 1071; ATCC 12769, 19792; CBS 544.68; DSM 40023; IFO 3362, 12803; JCM 4064, 4598). Ex: soil, humus, Japan. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces noboritoensis*** Isono et al. 1957

Ac-1012 Type <-- RIA, RIA 1257. (ISP 5223; RIA 1257; ATCC 25477; CBS 887.69; DSM 40223; IFO 13065; JCM 4065, 4557). Ex: soil, Japan. (Medium 205, 28°C, F-1, C-1) (745, 1359)

***Streptomyces nodosus*** Trejo 1961

Ac-1224 Type <-- RIA, RIA 1123. (ISP 5109; RIA 1123; ATCC 14899, 23942; CBS 926.68; DSM 40109; IFO 12895; JCM 4297, 4656). Ex: soil, Orinoco, Venezuela. (Medium 211, 28°C, F-1, C-1) (753, 1354)

***Streptomyces nogalater*** Bhuyan and Dietz 1966

Ac-1290 Type <-- RIA, RIA 1406. (ISP 5546; RIA 1406; ATCC 27451; CBS 238.69, 746.72; DSM 40546; IFO 13445; IMET 43360; JCM 4553, 4799; NCIMB 9489; NRRL 3035). (Medium 215, 28°C, F-1, C-1) (1298, 1360, 1364)

***Streptomyces novaecaesareae*** Waksman and Henrici 1948

Ac-963 Type <-- RIA, RIA 1329. (ISP 5358; RIA 1329; ATCC 27452; CBS 134.20, 669.72; DSM 40358; IFO 13368; IMRU 3831; JCM 4800; NRRL B-1267). Ex: soil, USA. (Medium 215, 28°C, F-1, C-1) (1360, 1364)

***Streptomyces ochraceiscleroticus*** Pridham 1970

Ac-651 Type <-- RIA, RIA 710. (ISP 5594; RIA 710, 1444; ATCC 15814; CBS 784.72; DSM 40594, 43155; IFO 12394, 13483; JCM 3048, 4801). Received as: *Chainia ochracea*. Synonym: *Chainia ochracea* Kuznetsov 1962 Type. Ex: soil, Armenia. (Medium 191, 28°C, F-1, C-1) (93, 1360, 1364)

***Streptomyces odorifer*** (Rullmann 1895) Waksman 1953

Ac-748 Type <-- IBPM, ISP 5347. (RIA 1326; ATCC 6246; CBS 666.72; DSM 40347; IFO 13365; JCM 4198, 4803; NRRL B-1328). (Medium 205, 28°C, F-1) (1360)

***Streptomyces olivaceoviridis*** (Preobrazhenskaya and Ryabova 1957) Pridham et al. 1958

Ac-1852 Type <-- INA, INA 11584. (ISP 5334; INA 11584; RIA 1258; ATCC 23630, 25478; CBS 888.69; DSM 40334; IFO 13066; JCM 4499; NCIMB 9982). (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces olivaceus*** (Waksman 1923) Waksman and Henrici 1948

Ac-254 Type <-- INMI, VKM A-254 <-- Krassilnikov N.A., ATCC 3335. (ISP 5072; RIA 481, 1073; ATCC 3335, 19794; CBS 546.68; DSM 40072; IFO 12805; JCM 4402). Ex: soil. (Medium 191, 28°C, F-1) (1356)

***Streptomyces olivovorticillatus*** (Shinobu 1956) Witt and Stackebrandt 1991

Ac-890 Type <-- RIA, RIA 1260. (ISP 5250; RIA 1260; ATCC 25480; CBS 890.69; DSM 40250; IFO 13068, 15273, 3842, 3929; JCM 4100, 4501; NRRL B-1994). Received as: *Streptovorticillium olivovorticillatum*. Synonym: *Streptovorticillium olivovorticillatum* (Shinobu 1956) Baldacci et al. 1966 Type. Ex: soil, Japan. (Medium 8, 28°C, F-1, C-1) (1358, 1359, 1364, 2731)

***Streptomyces olivoviridis*** (Kuchaeva et al. 1960) Pridham 1970

Ac-255 <-- INMI, VKM Ac-255 <-- Krassilnikov N.A., INMI 2718. Received as: "*Streptomyces olivarius*" (sic) (Kuchaeva et al. 1960) Pridham 1970. Ex: soil, chernozem, Moldova, Kishinev. (Medium 207, 28°C, F-1) (719, 1360, 1361)

Ac-259 Type <-- INMI, VKM A-259 <-- Krassilnikov N.A., INMI 1475. (ISP 5211; RIA 661, 1157; ATCC 15882, 23944; CBS 928.68; IFO 12897; DSM 40211; JCM 4432, 4658). Synonym: "*Actinomyces olivoviridis*" Kuchaeva et al. 1960. Ex: chestnut soil, Uzbekistan, Tashkent. (Medium 209, 28°C, F-1) (719, 1354)

***Streptomyces omiyaensis*** Umezawa and Okami 1950

Ac-1903 Type <-- RIA, RIA 1410. (ISP 5552; RIA 1410; ATCC 27454; CBS 750.72; DSM 40552; IFO 13449; JCM 4806; NRRL B-1587). Ex: soil, Japan. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces orinoci*** (Cassinelli et al. 1967) Witt and Stackebrandt 1991

Ac-929 Type <-- RIA, RIA 1427. (ISP 5571; RIA 1427; ATCC 23202; CBS 767.72; DSM 40571; IFO 13466; IPV 1901; JCM 4546, 4807; NRRL B-3379). Received as: *Streptovorticillium orinoci*. Synonym: *Streptovorticillium orinoci* Cassinelli et al. 1967 Type. Ex: soil, Orinoko River basin, South America. (Medium 8, 28°C, F-1, C-1) (648, 1358, 1360, 1364, 2731)

***Streptomyces pactum*** Bhuyan et al. 1962

Ac-1911 Type <-- RIA, RIA 1394. (ISP 5530; RIA 1394; ATCC 27456; CBS 461.69, 734.72; DSM

40530; IFO 13433; JCM 4288, 4809; NCIMB 9445; NRRL 2939). (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces paradoxus*** Goodfellow et al. 1986

Ac-645 Type <-- INMI, VKM A-645 <-- RIA, RIA 655. (RIA 655; ATCC 15813; DSM 43350; IFO 14887; IMET 43491; JCM 3052). Received as: *Actinosporangium violaceum*. Synonym: *Actinosporangium violaceum* Krassilnikov and Yuan 1961 Type. Ex: soil, China. (Medium 212, 28°C, F-1, C-1) (737, 810, 912, 1357)

***Streptomyces parvulus*** Waksman and Gregory 1954

Ac-1063 Type <-- RIA, RIA 1075. (ISP 5048; RIA 507, 1075; ATCC 12434, 19796; CBS 418.59, 548.68; IFO 13193; DSM 40048; JCM 4068, 4601; IMRU 3677; NRRL B-1628). Ex: soil. (Medium 205, 28°C, F-1, C-1) (177, 1356, 1364)

***Streptomyces parvus*** (Krainsky 1914) Waksman and Henrici 1948

Ac-725 Type <-- IBPM, ISP 5348. (ATCC 12433; CBS 427.61; DSM 40348; IFO 3388, 14599; JCM 4069; NCIMB 9608; NRRL B-1255, B-1455). Ex: soil. (Medium 212, 28°C, F-1) (1360)

***Streptomyces phaeochromogenes*** (Conn 1917) Waksman 1957

Ac-1002 Type <-- RIA, RIA 1119. (ISP 5073; RIA 61, 1119; ATCC 3338, 23945; CBS 282.30; 288.60, 929.68; IFO 3180, 12898; JCM 4070, 4659; DSM 40073). (Medium 205, 28°C, F-1, C-1) (291, 1354, 1364)

***Streptomyces phaeofaciens*** Maeda et al. 1952

Ac-1865 Type <-- INA, ISP 5367. (ISP 5367; RIA 1333; ATCC 15034; CBS 426.64, 673.72; DSM 40367; IFO 13372; JCM 4125, 4814; NRRL B-1516). Ex: soil. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces pilosus*** Ettlinger et al. 1958

Ac-1765 Type <-- INA, ISP 5097. (ISP 5097; RIA 1076; ATCC 19797; CBS 549.68; DSM 40097; IFO 12807; JCM 4403). Ex: soil, Italy, Roma. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces platensis*** Tresner and Backus 1956

Ac-1288 Type <-- RIA, RIA 1110. (ISP 5041; RIA 1110; ATCC 13865, 23948; CBS 932.68; IFO 12901; DSM 40041; JCM 4189, 4662; NRRL 2364). Ex: soil. (Medium 128, 28°C, F-1, C-1) (1354, 1364)

***Streptomyces plicatus*** Pridham et al. 1958

Ac-627 Type <-- INMI, VKM A-627 <-- RIA, RIA 1263. (ISP 5319; RIA 1263; ATCC 25483; CBS 911.69; DSM 40319; IFO 13071; JCM 4504; NRRL2428). Ex: soil, USA. (Medium 13, 28°C, F-1, C-1) (644, 1359, 1364)

***Streptomyces pluricolorescens*** Okami and Umezawa 1961

Ac-765 Type <-- RIA, RIA 1077. (ISP 5019; RIA 1077; ATCC 19798; CBS 550.68; IFO 12808; DSM 40019; JCM 4302, 4602). Ex: soil, Japan. (Medium 209, 28°C, F-1, C-1) (750, 836, 1356)

***Streptomyces polychromogenes*** Hageman et al. 1964

Ac-1207 Type <-- RIA, RIA 1264. (ISP 5316; RIA 1264; ATCC 12595, 25484; CBS 311.56, 912.69; DSM 40316; IFO 13072; JCM 4236, 4505). Ex: soil, Venezuela. (Medium 205, 28°C, F-1, C-1) (1359, 1364)

***Streptomyces poonensis*** (Thirumalachar 1960) Pridham 1970

Ac-652 <-- RIA, RIA 563. (RIA 563; ATCC 15815). Received as: *Chainia poonensis*. Synonym:

*Chainia poonensis* Thirumalachar 1960. Ex: soil. (Medium 191, 28°C, F-1, C-1)  
Ac-1715 Type <-- RIA, RIA 1146. (ISP 5596; RIA 1446; ATCC 15723; CBS 295.66, 786.72; DSM 40596; IFO 12556, 13485; IMRU 3752; JCM 3071, 3079, 4815). Synonym: *Chainia poonensis* Thirumalachar 1960. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces praecox*** (Millard and Burr 1926) Waksman 1953

Ac-1873 Type <-- INA, ATCC 3374. (ISP 5393; RIA 1265; ATCC 3374, 25485; CBS 104.27, 913.69; DSM 40393; IFO 13073; JCM 4506). Ex: potato scab. (Medium 212, 28°C, F-1) (1359)

***Streptomyces prasinopilosus*** Ettliger et al. 1958

Ac-1740 Type <-- RIA, RIA 1078. (ISP 5098; RIA 1078; ATCC 19799; CBS 551.68; DSM 40098; IFO 12809; JCM 4207, 4404). Ex: soil, Mallorca, Port Cristo. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces prasinosporus*** Tresner et al. 1966

Ac-979 Type <-- RIA, RIA 1380. (ISP 5506; RIA 1380; ATCC 17918; CBS 720.72; IFO 13419; DSM 40506; JCM 4816). Ex: soil, India. (Medium 205, 28°C, F-1, C-1) (337, 1360, 1364)

***Streptomyces prasinus*** Ettliger et al. 1958

Ac-1725 Type <-- RIA, RIA 1079. (ISP 5099; RIA 1079; ATCC 19800; CBS 552.68; DSM 40099; IFO 12810; JCM 4192, 4603). Ex: soil, Mallorca. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces prunicolor*** (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958

Ac-992 Type <-- RIA, RIA 1267. (ISP 5335; RIA 1267; INA 8805/64; ATCC 25487; DSM 40335; JCM 4508; IFO 13075; CBS 915.69; NCIMB 9978). Ex: soil, USSR. (Medium 205, 28°C, F-1) (34, 1359, 1364)

***Streptomyces psammoticus*** Virgilio and Hengeller 1960

Ac-996 Type <-- RIA, RIA 832. (ISP 5341; RIA 832, 1268; ATCC 14125, 25488; CBS 175.61, 299.65, 916.69; IFO 13877, 13971; DSM 40341; JCM 4434). (Medium 212, 28°C, F-1) (335, 1359, 1364)

***Streptomyces pseudoechinosporeus*** Goodfellow et al. 1986

Ac-1226 Type <-- Konev Y.E. VNITIAF, LIA 0442. (RIA 897, 554; LIA 0442; ATCC 19618; IFO 12518; DSM 43035; JCM 3066; IMET 43494; NCIMB 9918). Received as: *Microellobosporia grisea*. Synonym: *Microellobosporia grisea* (Konev et al. 1967) Pridham 1970, "*Microechinospora grisea*" Konev et al. 1967 Type. Ex: soil, Kyzyl-Kum Desert, Middle Asia. (Medium 8, 28°C, F-1, C-1) (101, 810, 910)

***Streptomyces pseudogriseolus*** Okami and Umezawa 1955

Ac-1859 Type <-- RIA, RIA 1106. (ISP 5026; RIA 1106; ATCC 12770, 23949; CBS 933.68; DSM 40026; IFO 12902; JCM 4071, 4663; NCIMB 9411, 9814; NRRL B-3288). Ex: soil. (Medium 205, 28°C, F-1) (1354, 1364)

***Streptomyces pseudovenezuelae*** (Kuchaeva et al. 1962) Pridham 1970

Ac-274 <-- INMI, VKM A-274 <-- Krassilnikov N.A. INMI, 1403. Received as: "*Actinomyces pseudovenezuelae*" Kuchaeva et al. 1962. Ex: soil, USSR. (Medium 209, 28°C, F-1) (64)

Ac-1199 Type <-- RIA, RIA 1158. (ISP 5212; RIA 742, 1158; ATCC 23951; CBS 934.68; DSM 40212; IFO 12904; IMET 43512; IMRU 3774; JCM 11516; NRRL B-3623). Synonym: "*Actinomyces pseudovenezuelae*" Kuchaeva et al. 1962. (Medium 191, 28°C, F-1, C-1) (64, 1354)

***Streptomyces puniceus*** Patelski 1951

Ac-579 Type <-- INMI, VKM A-579 <-- RIA, RIA 1080. (ISP 5083; RIA 1080; ATCC 19801; CBS 553.68; DSM 40083; IFO 12811; JCM 4406). (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces purpeofuscus*** Yamaguchi and Saburi 1955

Ac-1825 Type <-- RIA, RIA 1197. (ISP 5283; RIA 1197; ATCC 23952; CBS 935.68; DSM 40283; IFO 12905; JCM 4156, 4665; NCIMB 9822). Ex: soil. (Medium 205, 28°C, F-1) (1354, 1364, 3360)

***Streptomyces purpurascens*** Lindenbein 1952

Ac-755 Type <-- Agre N.S. IBPM, ISP 5310. (RIA 1269; ATCC 25489; CBS 917.69; IFO 13077; DSM 40310; JCM 4509). (Medium 205, 28°C, F-1, C-1) (786, 1359)

***Streptomyces purpureus*** (Matsumae and Hata 1968) Goodfellow et al. 1986

Ac-660 <-- INMI, VKM A-660 <-- RIA, RIA 1565. (RIA 1565; ATCC 21405; DSM 43360; JCM 3177; NRRL B-5737; KCC A-0177; IMET 9043). Received as: *Kitasatoa kauaiensis*.  
Synonym: *Kitasatoa kauaiensis* Matsumae et al. 1968 Type. Ex: soil, Kauai Island, Hawaii, USA. (Medium 205, 28°C, F-1) (759, 912, 1482)

Ac-689 <-- INMI, VKM A-689. (RIA 1946; ATCC 27789; DSM 43361; IFO 13926; JCM 3178; NCIMB 11314; NRRL B- 5398). Received as: *Kitasatoa nagasakiensis*. Synonym: *Kitasatoa nagasakiensis* Matsumae and Hata 1968 Type. Ex: soil, Japan, Nagasaki. (Medium 205, 28°C, F-1) (759, 912, 1482)

Ac-1298 Type <-- DSM, DSM 43362. (ATCC 27787; DSM 43362; IFO 13927; JCM 3172; NCIMB 11311; NRRL B-5403). Received as: *Kitasatoa purpurea*. Synonym: *Kitasatoa purpurea* Matsumae and Hata 1968 Type. Ex: soil, Kauai Island, Hawaii, USA. (Medium 209, 28°C, F-1, C-1) (759, 810, 912, 1482)

***Streptomyces racemochromogenes*** Sugai 1956

Ac-1206 Type <-- RIA, RIA 1147. (ISP 5194; RIA 1147; ATCC 23954; CBS 937.68; DSM 40194; IFO 12906; JCM 4407). (Medium 205, 28°C, F-1, C-1) (839, 1354)

***Streptomyces ramulosus*** Ettlinger et al. 1958

Ac-1001 Type <-- RIA, RIA 1081. (ISP 5100; RIA 1081; ATCC 19802; CBS 554.68; DSM 40100; ETH 17653; IFO 12812; JCM 4193, 4604). Ex: soil, Africa. (Medium 8, 28°C, F-1, C-1) (334, 1356, 1364)

***Streptomyces rangoonensis*** (Erikson 1935) Pridham et al. 1958

Ac-1899 Type <-- RIA, RIA 1270. (ISP 5452; RIA 1270; ATCC 6860, 25490; CBS 918.69; DSM 40452; IFO 13078; JCM 4510; NCTC 1678). (Medium 205, 28°C, F-1) (1359, 1364, 3370)

***Streptomyces recifensis*** (Goncalves de Lima et al. 1955) Falcao de Moraes et al. 1957

Ac-1890 Type <-- RIA, RIA 1082. (ISP 5115; RIA 1082; ATCC 19803; CBS 555.68; DSM 40115; IFO 12813; JCM 4408). (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces rectiviolaceus*** (ex Artamonova 1965) Sveshnikova 1986

Ac-282 Type <-- INMI, VKM A-282 <-- Artamonova O.N. INMI, INMI 563. (ATCC 43690; DSM 41459; IFO 100765; JCM 9092; NRRL B-16374). Synonym: "*Actinomyces rectiviolaceus*" Artamonova 1965 Type. Ex: alpine soil, Pamirs, USSR. (Medium 212, 28°C, F-1, C-1) (19, 810, 1364)

***Streptomyces regensis*** Gupta et al. 1963

Ac-1289 Type <-- RIA, RIA 1409. (ISP 5551, RIA 1409; ATCC 27461; CBS 749.72; DSM 40551; IFO 13448; JCM 4820). Ex: soil, India. (Medium 209, 28°C, F-1, C-1) (1360, 1364)

***Streptomyces resistomycificus*** Lindenbein 1952

Ac-1895 Type <-- RIA, RIA 1083. (ISP 5133; RIA 1083; ATCC 19804; CBS 556.68; DSM 40133; IFO 12814; JCM 4409; NCIMB 9843; NRRL 2290). Ex: soil. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces rimosus*** subsp. ***paramomycinus*** Coffey et al. 1959

Ac-605 Type <-- KCC, KCC S-0871. (ATCC 14827; DSM 41429; IFO 15454; JCM 4541, 4871; NRRL 2455). Ex: soil, Colombia. (Medium 212, 28°C, F-1) (180, 1353, 1364)

***Streptomyces rimosus*** subsp. ***rimosus*** Sobin et al. 1953

Ac-849 Type <-- RIA, RIA 1185. (ISP 5260; RIA 1185; ATCC 10970, 23955; CBS 938.68; DSM 40260; IFO 12907; JCM 4073, 4667; LMG 5984, 19352; NCIMB 8229; NRRL 2234, B-2659). Ex: soil. (Medium 205, 28°C, F-1, C-1) (1354, 1364)

Ac-1356 <-- Agre N.S. IBPM, AB-464. *Nocardia*-like variant of *S.rimosus* Ac-1448. (Medium 209, 28°C, F-1)

Ac-1448 <-- Agre N.S. IBPM, A-464. (Medium 209, 28°C, F-1)

***Streptomyces rishiriensis*** Kawaguchi et al. 1965

Ac-1188 Type <-- RIA, RIA 1368. (ISP 5489; RIA 1368; ATCC 14812; CBS 708.72; DSM 40489; IFO 13407; JCM 4821; NCIMB 11890). Ex: soil, Rishiri Island, Japan. (Medium 205, 28°C, F-1, C-1, C-4) (434, 1360, 1364)

***Streptomyces rochei*** Berger et al. 1953

Ac-997 Type <-- RIA, RIA 1171. (ISP 5231; RIA 1171; ATCC 10739, 19245, 23956; CBS 224.46, 939.68; IFO 12908; DSM 40231; JCM 4074, 4668; ETH 13471, 20727; IMRU 3602; NRRL B-1559; IMET 41368). Ex: soil. (Medium 212, 28°C, F-1) (927, 1354, 1364)

***Streptomyces roseiscleroticus*** Pridham 1970

Ac-1718 Type <-- RIA, RIA 887. (ISP 5303; RIA 887, 1324; ATCC 17755; CBS 226.65, 664.72; DSM 40303; IFO 13002, 13363; JCM 3104, 4823; NCIMB 11013). Synonym: *Chainia rosea* Thirumalachar 1966 Type. Ex: soil, India, Pimpri, Poona. (Medium 205, 28°C, F-1) (1360, 1364, 1366, 3354)

***Streptomyces roseofulvus*** (Preobrazhenskaya 1957) Pridham et al. 1958

Ac-1080 Type <-- INA, INA 14535. (ISP 5172; INA 14535; RIA 1084; ATCC 19805, 19921; CBS 557.68; DSM 40172; IFO 13194, 15816, 15817; JCM 4334, 4605; NRRL B-2729). Ex: soil. (Medium 209, 28°C, F-1, C-1) (1356, 1364)

***Streptomyces roseolilacinus*** (Preobrazhenskaya and Sveshnikova 1957) Pridham et al. 1958

Ac-1276 Type <-- INA, INA 14250. (ISP 5173; RIA 1085; ATCC 19806, 19922; CBS 558.68; DSM 40173; IFO 12815; JCM 4335, 4606). (Medium 209, 28°C, F-1, C-1) (1356, 1364)

***Streptomyces roseolus*** (Preobrazhenskaya and Sveshnikova 1957) Pridham et al. 1958

Ac-848 Type <-- RIA, RIA 1086. (ISP 5174; INA 5449/54; RIA 1086; ATCC 23210; CBS 559.68; DSM 40174; IFO 12816; JCM 4411; NCIMB 13022; NRRL B- 5424). Ex: soil. (Medium 191, 28°C, F-1, C-1) (1356, 1364, 2041)

***Streptomyces roseoviolaceus*** (Sveshnikova 1957) Pridham et al. 1958

Ac-1901 Type <-- RIA, RIA 1273. (ISP 5277; RIA 1273; ATCC 25493; CBS 953.69; DSM 40277; IFO 13081; JCM 4513). (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces roseoviridis*** (Preobrazhenskaya 1957) Pridham et al. 1958

Ac-297 <-- INMI, VKM A-297 <-- Krassilnikov N.A. INMI <-- INA, INA 3787. (Medium 209, 28°C, F-1) (717)

Ac-298 <-- INMI, VKM A-298 <-- Krassilnikov N.A., INMI 4-T. Ex: soil, Egypt. (Medium 209, 28°C, F-1) (717)

Ac-943 Type <-- RIA, RIA 1135. (ISP 5175; RIA 1135; INA 3617; ATCC 23959; CBS 942.68; DSM 40175; IFO 12911; JCM 4414). Ex: soil. (Medium 205, 28°C, F-1, C-1) (1354, 1364)

***Streptomyces rubiginosohelvolus*** (Kudrina 1957) Pridham et al. 1958

Ac-1072 Type <-- INA, INA 10/53. (ISP 5176; INA 10/53; RIA 1136; ATCC 19926, 23960; CBS 943.68; DSM 40176; IFO 12912; JCM 4415). Ex: soil, USSR. (Medium 209, 28°C, F-1, C-1) (36, 644, 1354, 1364)

***Streptomyces rubiginosus*** (Preobrazhenskaya et al. 1957) Pridham et al. 1958

Ac-1089 Type <-- INA, INA 11852. (ISP 5177; RIA 1137; INA 11852; ATCC 19927, 23961; CBS 944.68; DSM 40177; IFO 12913; JCM 4416). Ex: soil. (Medium 209, 28°C, F-1, C-1) (1354, 1364)

***Streptomyces rubrogriseus*** (ex Krassilnikov 1970) Terekhova 1986

Ac-1216 Type <-- INA, INA 2626. (INA 2626; ATCC 43691; DSM 41477; IFO 15455; JCM 6927). Ex: soil. (Medium 205, 28°C, F-1, C-1) (810, 1364)

***Streptomyces rutgersensis*** (Waksman and Curtis 1916) Waksman and Henrici 1948

Ac-1877 Type <-- INA, ISP 5077. (ISP 5077; RIA 1089; ATCC 3350, 19809; CBS 562.68; DSM 40077; IFO 3419, 3727, 12819; JCM 4082, 4608; NRRL B-1256, B-2102). Ex: soil. (Medium 205, 28°C, F-1) (1356)

***Streptomyces sampsonii*** (Millard and Burr 1926) Waksman 1953

Ac-851 Type <-- RIA, RIA 1275. (ISP 5394; RIA 1275; ATCC 25495; CBS 955.69; IFO 13083; DSM 40394; JCM 4515). Ex: potato scab (Medium 6, 28°C, F-1) (1359)

***Streptomyces scabiei*** (ex Thaxter 1891) Lambert and Loria 1989

Ac-304 <-- INMI, VKM A-304 <-- Krassilnikov N.A., INMI 52. Synonym: "*Actinomyces scabies*" (Thaxter 1891) Güssow 1914, "*Streptomyces scabies*" (Thaxter 1892) Waksman and Henrici 1948. Ex: potato scab, Russia, Moscow Region. (Medium 13, 28°C, F-1, C-1) (797, 3370)

Ac-305 <-- INMI, VKM A-305 <-- Krassilnikov N.A., INMI 59. Synonym: "*Actinomyces scabies*" (Thaxter 1891) Güssow 1914, "*Streptomyces scabies*" (Thaxter 1892) Waksman and Henrici 1948. Ex: potato scab, Russia, Moscow Region. (Medium 13, 28°C, F-1, C-1) (797, 3370)

Ac-306 <-- INMI, VKM A-306 <-- Krassilnikov N.A., INMI 95. Synonym: "*Actinomyces scabies*" (Thaxter 1891) Güssow 1914, "*Streptomyces scabies*" (Thaxter 1892) Waksman and Henrici 1948. Ex: potato scab, Russia, Moscow Region. (Medium 13, 28°C, F-1, C-1) (797, 3370)

Ac-841 <-- RIA, RIA 1120. (ISP 5078; RIA 1120; Synonym: "*Actinomyces scabies*" (Thaxter 1891) Güssow 1914, "*Streptomyces scabies*" (Thaxter 1892) Waksman and Henrici 1948. (Medium 13, 28°C, F-1, C-1) (1354, 1364, 3370)

***Streptomyces sclerotialis*** Pridham 1970

Ac-1909 Type <-- RIA, RIA 1317. (ISP 5269; RIA 1317; ATCC 15721; CBS 167.62; DSM 43032; IFO 12246, 13356, 13904; JCM 3039, 4828; NRRL B-2317). Synonym: *Chainia antibiotica* Thirumalachar 1955 Type. Ex: soil, India. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces showdoensis*** Nishimura et al. 1964

Ac-1219 Type <-- RIA, RIA 1378. (ISP 5504; RIA 1378; ATCC 15105; CBS 718.72; DSM 40504; IFO 13417; JCM 4830). Ex: soil, Japan. (Medium 209, 28°C, F-1, C-1) (877, 1360)

***Streptomyces sioyaensis*** Nishimura et al. 1961

Ac-1260 Type <-- RIA, RIA 1090. (ISP 5032; RIA 1090; ATCC 13989, 19810; CBS 563.68; DSM 40032; IFO 12820; JCM 4418; NRRL B-5408). Ex: soil. (Medium 209, 28°C, F-1, C-1) (991, 1356, 1364)

***Streptomyces somaliensis*** (Brumpt 1906) Waksman and Henrici 1948

Ac-1898 <-- RIA, RIA 1188. (ISP 5267; RIA 1188; ATCC 19437, 23964; CBS 947.68; DSM 40267; IFO 12916; JCM 12660; NCTC 3236). Ex: mycetoma on foot of 20-year old man. (Medium 205, 28°C, F-1) (1366)

***Streptomyces sparsogenes*** Owen et al. 1963

Ac-1744 Type <-- RIA, RIA 1278. (ISP 5356; RIA 905, 1278; ATCC 25498; CBS 672.69, 958.69; DSM 40356; IFO 13086; JCM 4517; NCIMB 9449; NRRL 2940). Ex: soil. (Medium 207, 28°C, F-1) (1359)

***Streptomyces* sp.**

Ac-1 <-- INMI, VKM A-1 <-- Krassilnikov N.A., INMI 17. (ATCC 33134; CBS 352.79; JCM 4989; NRRL B-11397). Received as: "*Streptomyces (Actinomyces) aculentosporus*" Krassilnikov 1970 Type. Ex: chestnut soil, Bulgaria. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-2 <-- INMI, VKM A-2 <-- Krassilnikov N.A., INMI 566. (ATCC 33135; CBS 353.79; JCM 4990; NRRL B-11398). Received as: "*Streptomyces (Actinomyces) albidopureus*" Krassilnikov 1970 Type. Ex: soil, East Pamirs, USSR. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-5 <-- INMI, VKM A-5 <-- Krassilnikov N.A., INMI 934. Received as: "*Streptomyces (Actinomyces) albocaneus*" Krassilnikov 1970 Type. Ex: soil, West Pamirs, Tadzhikistan. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-7 <-- INMI, VKM A-7 <-- Krassilnikov N.A., INMI 420. Received as: "*Streptomyces (Actinomyces) albocanus*" Krassilnikov 1970 Type. Ex: soil, krasnozom, Georgia. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-8 <-- INMI, VKM A-8 <-- Krassilnikov N.A., INMI 140-161. Received as: "*Streptomyces (Actinomyces) albocastaneus*" Krassilnikov 1970 Type. Ex: soil, Pamirs, USSR. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-9 <-- INMI, VKM A-9 <-- Krassilnikov N.A., INMI 567. Received as: "*Streptomyces (Actinomyces) alboclarus*" Krassilnikov 1970 Type. Ex: soil, East Pamirs, USSR. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-13 <-- INMI, VKM A-13 <-- Krassilnikov N.A., INMI 55-51. (CBS 354.79; JCM 4991; NRRL B-11399). Received as: "*Streptomyces (Actinomyces) albocolor*" Krassilnikov 1970 Type. Ex: soil, USSR. (Medium 209, 28°C, F-1, C-1) (1361)

***Streptomyces* sp.**

Ac-19 <-- INMI, VKM A-19 <-- Krassilnikov N.A., INMI 679. (ISP 5197; RIA 663, 1149; ATCC 15845, 23872; CBS 611.68; DSM 40197; IFO 12832; JCM 4341). Received as:

"*Streptomyces (Actinomyces) albocyaneus*" Krassilnikov and Agre 1960 Type. Ex: soil, Kljazma River Basin, Russia, Moscow Region. (Medium 205, 28°C, F-1, C-1) (15, 1354, 1361, 1364)

***Streptomyces* sp.**

Ac-20 <-- INMI, VKM A-20 <-- Krassilnikov N.A., INMI 13a. Received as: "*Actinomyces albodenitrificans*" Krassilnikov 1970 Type. Ex: soil, Armenia. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-23 <-- INMI, VKM A-23 <-- Krassilnikov N.A., INMI 1349. (ISP 5410; RIA 1204; ATCC 19820, 25424; CBS 922.69; DSM 40410; IFO 13012; JCM 4448; NRRL B-3586 ). Received as: "*Streptomyces albohelvatus*" (Krassilnikov et al. 1965) Pridham 1970 Type. Former name: "*Actinomyces albohelvatus*" Krassilnikov et al. 1965. Ex: soil, Pamirs, USSR. (Medium 209, 28°C, F-1) (18, 1359, 1364)

***Streptomyces* sp.**

Ac-24 <-- INMI, VKM A-24 <-- Krassilnikov N.A., INMI 576. Received as: "*Streptomyces (Actinomyces) albonivalis*" Krassilnikov 1970 Type. Ex: soil, East Pamirs, USSR. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-27 <-- INMI, VKM A-27 <-- Krassilnikov N.A., INMI 554. Received as: "*Streptomyces (Actinomyces) alboniveus*" Krassilnikov 1970 Type. Ex: soil, East Pamirs, USSR. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-39 <-- INMI, VKM A-39 <-- Krassilnikov N.A., INMI 338. Received as: "*Streptomyces (Actinomyces) argenteus*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-41 <-- INMI, VKM A-41 <-- Krassilnikov N.A., INMI 26-19. Received as: "*Streptomyces (Actinomyces) ater*" Krassilnikov 1970 Type. Ex: soil, Russia, Saratov Region. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-42 <-- INMI, VKM A-42 <-- Krassilnikov N.A., INMI 4118. Received as: "*Streptomyces (Actinomyces) ateroniveus*" Krassilnikov 1970 Type. Ex: soil, Kazakhstan. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-45 <-- INMI, VKM A-45 <-- Krassilnikov N.A., INMI 205. Received as: "*Streptomyces aureomonopodiales*" (Krassilnikov and Yuan 1965) Pridham 1970. Former name: "*Actinomyces aureomonopodiales*" Krassilnikov and Yuan 1965. Ex: soil, Zavolzhje, USSR. (Medium 209, 28°C, F-5) (675, 1361)

***Streptomyces* sp.**

Ac-53 <-- INMI, VKM A-53 <-- Krassilnikov N.A., INMI 2375. (ISP 5417; RIA 1214; ATCC 19827, 25434; CBS 663.69; DSM 40417; IFO 13022; JCM 4458; NRRL B-12345). Received as: "*Streptomyces aurigineus*" (Krassilnikov et al. 1965) Pridham 1970 Type. Former name: "*Actinomyces aurigineus*" Krassilnikov et al. 1965 Type. Ex: soil, shore of Caspian Sea, Azerbaijan, Baku. (Medium 209, 28°C, F-1) (18, 1361, 1364)

***Streptomyces* sp.**

Ac-55 <-- INMI, VKM A-55 <-- Krassilnikov N.A., INMI 78. Received as: "*Streptomyces (Actinomyces) azurocolor*" Krassilnikov 1970. Ex: soil, Russia, Moscow Region. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-62 <-- INMI, VKM A-62 <-- Krassilnikov N.A., INMI 47-110. Received as: "*Streptomyces (Actinomyces) brunneorectus*" Krassilnikov 1970 Type. Ex: soil, USSR. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-63 <-- INMI, VKM A-63 <-- Krassilnikov N.A., INMI 21. (ATCC 33136; CBS 355.79; JCM 4993; NRRL B-11401). Received as: "*Streptomyces (Actinomyces) caesiolatus*" Krassilnikov 1970. Ex: soil, experimental fields of TA, Russia, Moscow. (Medium 209, 28°C, F-1) (1361)

***Streptomyces* sp.**

Ac-65 <-- INMI, VKM A-65 <-- Krassilnikov N.A., INMI 118. (ISP 5419; VKM Ac-768; RIA 1337; ATCC 19828; CBS 677.72; DSM 40419; IFO 13376; JCM 4731; NCIMB 10040; NRRL B-12346). Received as: "*Streptomyces caesius*" (Krassilnikov et al. 1965) Pridham 1970 Type. Former name: "*Actinomyces caesius*" Krassilnikov et al. 1965 Type. Ex: soil, experimental fields of TA, Russia, Moscow. (Medium 209, 28°C, F-1) (17, 1360, 1361, 1364)

***Streptomyces* sp.**

Ac-66 <-- INMI, VKM A-66 <-- Krassilnikov N.A., INMI 55. Received as: "*Streptomyces (Actinomyces) caesius*" subsp. "*variabilis*" Krassilnikov 1970. Ex: soil, experimental fields of TA, Russia, Moscow. (Medium 209, 28°C, F-5) (1249, 1361)

***Streptomyces* sp.**

Ac-67 <-- INMI, VKM A-67 <-- Krassilnikov N.A., INMI 490. Received as: "*Streptomyces (Actinomyces) caneris*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-69 <-- INMI, VKM A-69 <-- Krassilnikov N.A., INMI 4. Received as: "*Streptomyces (Actinomyces) canocereus*" Krassilnikov 1970 Type. Ex: chestnut soil, Bulgaria. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-70 <-- INMI, VKM A-70 <-- Krassilnikov N.A., INMI 516. Received as: "*Streptomyces (Actinomyces) canofumeus*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-71 <-- INMI, VKM A-71 <-- Krassilnikov N.A., INMI 89. Received as: "*Streptomyces (Actinomyces) canosus*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-72 <-- INMI, VKM A-72 <-- Krassilnikov N.A., INMI 534. Received as: "*Streptomyces (Actinomyces) canulus*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-73 <-- INMI, VKM A-73 <-- Krassilnikov N.A., INMI 91. Received as: "*Streptomyces (Actinomyces) cerratus*" Krassilnikov 1970 Type. Ex: chestnut soil, Bulgaria. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-74 <-- INMI, VKM A-74 <-- Krassilnikov N.A., INMI 6166. Received as: "*Streptomyces chlorobiens*" (Krassilnikov and Egorova 1965) Pridham 1970 Type. Former name: "*Actinomyces chlorobiens*" Krassilnikov and Egorova 1965 Type. Ex: soil, sierozem, Tadzhikistan. (Medium 205, 28°C, F-1) (717, 1361, 1364)

***Streptomyces* sp.**

Ac-81 <-- INMI, VKM A-81 <-- Krassilnikov N.A., INMI 468. Received as: "*Streptomyces (Actinomyces) cineraceus*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-82 <-- INMI, VKM A-82 <-- Krassilnikov N.A., INMI 88. Received as: "*Streptomyces (Actinomyces) cinereofuscus*" Krassilnikov 1970 Type. Ex: soil, USSR. (Medium 212, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-84 <-- INMI, VKM A-84 <-- Krassilnikov N.A., INMI 155. Received as: "*Streptomyces (Actinomyces) cinerosus*" Krassilnikov 1970 Type. Ex: chestnut soil, Bulgaria. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-89 <-- INMI, VKM A-89 <-- Krassilnikov N.A., INMI 259. Received as: "*Streptomyces (Actinomyces) citreoflavescens*" Krassilnikov 1970 Type. Ex: potato scab, Russia, Moscow Region. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-97 <-- INMI, VKM A-97 <-- Krassilnikov N.A., INMI 35. Received as: "*Streptomyces (Actinomyces) clivatosporus*" Krassilnikov 1970 Type. Ex: chestnut soil, Bulgaria. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-103 <-- INMI, VKM A-103 <-- Krassilnikov N.A., INMI 66. Received as: "*Streptomyces (Actinomyces) coelescens*" subsp. "*lactici*" Krassilnikov 1970. Ex: soil, Russia, Moscow Region. (Medium 209, 28°C, F-1) (1361)

***Streptomyces* sp.**

Ac-105 <-- INMI, VKM A-105 <-- Krassilnikov N.A., INMI 37ya. (ISP 5422; RIA 1222; ATCC 19833, 25442; CBS 679.69; DSM 40422; IFO 13030; JCM 4465; NRRL B-12349). Received as: "*Streptomyces coeliatus*" (Krassilnikov et al. 1965) Pridham 1970. Former name: "*Actinomyces coeliatus*" Krassilnikov et al. 1965. Ex: soil, Crimea. (Medium 209, 28°C, F-1, C-1) (17, 1359, 1361, 1364)

***Streptomyces* sp.**

Ac-106 <-- INMI, VKM A-106 <-- Krassilnikov N.A., INMI 1250. Received as: "*Streptomyces coelicolor*" subsp. "*coelicoferus*" (Krassilnikov et al. 1965) Pridham 1970 Type. Former name: "*Actinomyces coelicolor*" subsp. "*coelicoferus*" Krassilnikov et al. 1965 Type. Ex: soil, chernozem, Ukraine. (Medium 212, 28°C, F-5) (17, 1361, 1364)

***Streptomyces* sp.**

Ac-107 <-- INMI, VKM A-107 <-- Krassilnikov N.A., INMI 123. Received as: "*Actinomyces coelicolor*" (Muller 1908) Krassilnikov 1941. Ex: soil, USSR. (Medium 212, 28°C, F-1, C-1) (17, 1361, 1364)

***Streptomyces* sp.**

Ac-110 <-- INMI, VKM A-110 <-- Krassilnikov N.A., INMI 1057. Received as: "*Streptomyces coerulatus*" subsp. "*coerulatus*" (Krassilnikov et al. 1965) Pridham 1970 Type. Former name: "*Actinomyces coerulatus*" Krassilnikov et al. 1965 Type. Ex: soil, Russia, Moscow Region. (Medium 212, 28°C, F-5) (17, 1249, 1361)

***Streptomyces* sp.**

Ac-112 <-- INMI, VKM A-112 <-- Krassilnikov N.A., INMI 34-1. Received as: "*Streptomyces (Actinomyces) coffecolor*" Krassilnikov 1970 Type. Ex: soil, Urals, Russia. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-114 <-- INMI, VKM A-114 <-- Krassilnikov N.A., INMI 14. Received as: "*Streptomyces cyanocolor*" (Krassilnikov et al. 1965) Pridham 1970. Former name: "*Actinomyces cyanocolor*" Krassilnikov et al. 1965). Ex: soil, Russia, Moscow Region. (Medium 212, 28°C, F-1) (1361)

***Streptomyces* sp.**

Ac-119 <-- INMI, VKM A-119 <-- Krassilnikov N.A., INMI 10. Received as: "*Streptomyces (Actinomyces) cyanofetus*" Krassilnikov 1970. Ex: soil, Russia, Moscow Region. (Medium 209, 28°C, F-1) (1361)

***Streptomyces* sp.**

Ac-121 <-- INMI, VKM A-121 <-- Krassilnikov N.A., INMI 74. Received as: "*Streptomyces cyanogenus*" (Krassilnikov et al. 1965) Pridham 1970 Type. Former name: "*Actinomyces cyanogenus*" Krassilnikov et al. 1965 Type. Ex: soil, Russia, Moscow Region. (Medium 209, 28°C, F-5) (17, 1361)

***Streptomyces* sp.**

Ac-125 <-- INMI, VKM A-125 <-- Krassilnikov N.A., INMI 31-M. Received as: "*Streptomyces cyanoglomerus*" (Krassilnikov et al. 1965) Pridham 1970 Type. Former name: "*Streptomyces cyanoglomerus*" Krassilnikov et al. 1965 Type. Ex: soil, Crimea. (Medium 209, 28°C, F-1) (17, 1361, 1364)

***Streptomyces* sp.**

Ac-126 <-- INMI, VKM A-126 <-- Krassilnikov N.A., INMI 26-P. (ISP 5427; RIA 1228; ATCC 19837, 25448; CBS 681.69; DSM 40427; IFO 13036; NRRL B-12355). Received as: "*Streptomyces (Actinomyces) cyanoglomerus* subsp. *cellulans*" Krassilnikov 1970 Type. Ex: soil, Caucasus, Georgia. (Medium 209, 28°C, F-1, C-1) (17, 1359, 1361, 1364)

***Streptomyces* sp.**

Ac-127 <-- INMI, VKM A-127 <-- Krassilnikov N.A., INMI 54. Received as: "*Streptomyces (Actinomyces) cyanolatus*" Krassilnikov 1970. Ex: soil, experimental fields of TA, Russia, Moscow. (Medium 209, 28°C, F-1) (1361)

***Streptomyces* sp.**

Ac-131 <-- INMI, VKM A-131 <-- Krassilnikov N.A., INMI 188-6. Received as: "*Streptomyces (Actinomyces) enissogriseus*" Krassilnikov 1970 Type. Ex: soil, West Pamirs, Tadzhikistan. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-132 <-- INMI, VKM A-132 <-- Krassilnikov N.A., INMI 127. Received as: "*Streptomyces (Actinomyces) enissus*" Krassilnikov 1970 Type. Ex: soil, Caucasus. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-133 <-- INMI, VKM A-133 <-- Krassilnikov N.A., INMI 179. Received as: "*Streptomyces (Actinomyces) favillaceus*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-135 <-- INMI, VKM A-135 <-- Krassilnikov N.A., INMI 1015. (ISP 5428; RIA 1230; ATCC 19838, 25450; CBS 683.699; DSM 40428; IFO 13038; JCM 4473). Received as: "*Streptomyces (Actinomyces) flavescens*" Krassilnikov et al. 1965 Type. Ex: soil, Pamirs, USSR. (Medium 209, 28°C, F-1) (18, 1359, 1364)

***Streptomyces* sp.**

Ac-145 <-- INMI, VKM A-145 <-- Krassilnikov N.A., INMI 940. Received as: "*Streptomyces (Actinomyces) flavus*" (Krainsky 1914) Krassilnikov 1970 Type. Ex: soil, Pamirs, USSR. (Medium 209, 28°C, F-1) (1361)

***Streptomyces* sp.**

Ac-148 <-- INMI, VKM A-148 <-- Krassilnikov N.A., INMI 1139. Received as: "*Streptomyces (Actinomyces) foetoris*" Krassilnikov 1970 Type. Ex: soil, Crimea, Livadia. (Medium 157, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-154 <-- INMI, VKM A-154 <-- Krassilnikov N.A., BU-617 <-- BUCSAV BU 6-17. (ATCC 33137; CBS 356.79; JCM 4994; NRRL B-11402). Received as: "*Streptomyces (Actinomyces) fradiorectus*" Krassilnikov 1970. (Medium 209, 28°C, F-5) (738)

***Streptomyces* sp.**

Ac-155 <-- INMI, VKM A-155 <-- Krassilnikov N.A., BU-615 <-- BUCSAV BU 6-15. Received as: "*Streptomyces (Actinomyces) fradiorozeus*" Krassilnikov 1970. (Medium 209, 28°C, F-5) (738)

***Streptomyces* sp.**

Ac-156 <-- INMI, VKM A-156 <-- Krassilnikov N.A., BU-616 <-- BUCSAV BU 6-16. Received as: "*Streptomyces (Actinomyces) fradiorozeus*" Krassilnikov 1970. (Medium 209, 28°C, F-5) (738)

***Streptomyces* sp.**

Ac-159 <-- INMI, VKM A-159 <-- Krassilnikov N.A., INMI 9700. (RIA 658; ATCC 15862; JCM 4676; NRRL B-2870). Received as: "*Streptomyces fulvoviolaceus*" (Artamonova and Krassilnikov 1960) Pridham 1970 Type. Former name: "*Actinomyces fulvoviolaceus*" Artamonova and Krassilnikov 1960 Type. Ex: soil, chernozem, Moldova. (Medium 212, 28°C, F-1) (16, 1363, 1364)

***Streptomyces* sp.**

Ac-160 <-- INMI, VKM A-160 <-- Okami Y. Japan, 1616-Z3. (ISP 5480; RIA 1360, 789; ATCC 14077; CBS 700.72; DSM 40480; IFO 13399; JCM 4327, 4756). Received as: "*Streptomyces galbus*" Okami and Umezawa 1959 Type. Former name: "*Actinomyces fulvostreptomycini*" Krassilnikov 1970 Type. Ex: garden soil, Japan, Tokyo. (Medium 209,

28°C, F-1) (428, 1360, 1364)

***Streptomyces* sp.**

Ac-163 <-- INMI, VKM A-163 <-- Krassilnikov N.A., INMI 11-1. Received as: "*Streptomyces (Actinomyces) fumobadius*" Krassilnikov 1970 Type. Ex: soil, Guinea. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-164 <-- INMI, VKM A-164 <-- Krassilnikov N.A., INMI 2866. Received as: "*Streptomyces (Actinomyces) fungilyticus*" Krassilnikov 1970 Type. Former name: "*Actinomyces longissimus*" Krassilnikov and Yuan 1965 ex Krassilnikov 1941. Ex: soil, Crimea. (Medium 205, 28°C, F-1) (675, 1361, 1364)

***Streptomyces* sp.**

Ac-166 <-- INMI, VKM A-166 <-- Krassilnikov N.A., INMI 515. (CBS 357.79; JCM 4995; NRRL B-11403). Received as: "*Streptomyces (Actinomyces) globispororoseus*" Krassilnikov et al. 1960 Type. Ex: soil, podzol, Russia, Moscow Region. (Medium 13, 28°C, F-1) (11, 1361, 1364)

***Streptomyces* sp.**

Ac-180 <-- INMI, VKM A-180 <-- Krassilnikov N.A., INMI 192. Received as: "*Streptomyces (Actinomyces) globivulgaris*" Krassilnikov 1970 Type. Ex: soil, sierozem, Wakhsh River Valley, Tadjikistan. (Medium 13, 28°C, F-1) (12, 1361)

***Streptomyces* sp.**

Ac-186 <-- INMI, VKM A-186 <-- Krassilnikov N.A., INMI 186-151. Received as: "*Streptomyces (Actinomyces) griseocastaneus*" Krassilnikov 1970 Type. Ex: soil, Pamirs, USSR. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-187 <-- INMI, VKM A-187 <-- Krassilnikov N.A., INMI 31. Received as: "*Streptomyces (Actinomyces) griseofavillus*" Krassilnikov 1970 Type. Ex: chestnut soil, Bulgaria. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-189 <-- INMI, VKM A-189 <-- Krassilnikov N.A., INMI 15. (RIA 747). Received as: "*Actinomyces griseus*" (Krainsky 1914) Krassilnikov 1970 Type. Another name: "*Streptomyces grisinus*" (Krassilnikov et al. 1957) Pridham 1970 Type. Ex: soil, Armenia. (Medium 209, 28°C, F-1) (1361)

***Streptomyces* sp.**

Ac-193 <-- INMI, VKM A-193 <-- Krassilnikov N.A., INMI 1252. Received as: "*Streptomyces herbescens*" (Krassilnikov and Egorova 1965) Pridham 1970 Type. Former name: "*Actinomyces herbescens*" Krassilnikov and Yegorova 1965 Type. Ex: soil, Pamirs, USSR. (Medium 205, 28°C, F-5) (717, 1364)

***Streptomyces* sp.**

Ac-197 <-- INMI, VKM A-197 <-- Krassilnikov N.A., INMI 2389. Received as: "*Streptomyces herbeus*" (Krassilnikov and Yegorova 1965) Pridham 1970 Type. Former name: "*Actinomyces herbeus*" Krassilnikov and Egorova 1965 Type. Ex: soil, Egypt. (Medium 205, 28°C, F-5) (717, 1361, 1364)

***Streptomyces* sp.**

Ac-198 <-- INMI, VKM A-198 <-- Krassilnikov N.A., INMI 10. Received as: "*Streptomyces*

*herbiferis*" (Krassilnikov and Yegorova 1965) Pridham 1970 Type. Former name: "*Actinomyces herbiferis*" Krassilnikov and Yegorova 1965 Type. Ex: soil, Ukraine. (Medium 209, 28°C, F-5) (717, 1361, 1364)

***Streptomyces* sp.**

Ac-202 <-- INMI, VKM A-202 <-- Krassilnikov N.A., INMI 154. Received as: "*Streptomyces (Actinomyces) ignobilis*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-203 <-- INMI, VKM A-203 <-- Krassilnikov N.A., INMI 473. Received as: "*Streptomyces (Actinomyces) ignorabilis*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-204 <-- INMI, VKM A-204 <-- Krassilnikov N.A., INMI 410. Received as: "*Streptomyces (Actinomyces) incanus*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-206 <-- INMI, VKM A-206 <-- Krassilnikov N.A., INMI 18-18. Received as: "*Streptomyces iodoformicus*" (Kirillova and El-Registan 1965) Pridham 1970 Type. Former name: "*Actinomyces iodoformicus*" Kirillova and El-Registan 1965 Type. Ex: soil, Enisei River Valley, USSR. (Medium 209, 28°C, F-1, C-1) (1003, 1361, 1364)

***Streptomyces* sp.**

Ac-212 <-- INMI, VKM A-212 <-- Krassilnikov N.A., INMI 126-12. Received as: "*Streptomyces (Actinomyces) juglandis*" Krassilnikov 1970 Type. Ex: soil, Pamirs, USSR. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-220 <-- INMI, VKM A-220 <-- Krassilnikov N.A., INMI 285. Received as: "*Streptomyces (Actinomyces) leucophaeus*" Krassilnikov 1970 Type. Ex: chestnut soil, Bulgaria. (Medium 209, 28°C, F-1) (104, 1361, 1364)

***Streptomyces* sp.**

Ac-227 <-- INMI, VKM A-227 <-- Krassilnikov N.A., INMI 2725. (ISP 5202; RIA 338, 1153; ATCC 15876, 23929; BCRC 12229; CBS 913.68; DSM 40202; IFO 12883; JCM 4392; IMET 42940; NRRL B-2887). Received as: "*Streptomyces levoris*" (Krassilnikov 1958) Pridham 1970 Type. Former name: "*Actinomyces levoris*" Krassilnikov 1958 Type. Ex: soil, chernozem, Moldova. (Medium 209, 28°C, F-1, C-1) (13, 1354, 1362)

***Streptomyces* sp.**

Ac-228 <-- INMI, VKM A-228 <-- Krassilnikov N.A., INMI 2789. Received as: "*Streptomyces levoris*" (Krassilnikov 1958) Pridham 1970. Former name: "*Actinomyces levoris*" Krassilnikov 1958. Ex: soil, Kola Peninsula, Russia (Medium 13, 28°C, F-1, C-1) (13, 1361)

***Streptomyces* sp.**

Ac-230 <-- INMI, VKM A-230 <-- Krassilnikov N.A., INMI 197. (ATCC 33138; CBS 859.79; JCM 4997; NRRL B-11405). Received as: "*Streptomyces (Actinomyces) litmicolor*" Krassilnikov 1970 Type. Ex: soil, USSR. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-233 <-- INMI, VKM A-233 <-- Krassilnikov N.A., INMI 149. (ATCC 33139; NRRL B-11406).  
Received as "*Streptomyces (Actinomyces) litmotinctus*" Krassilnikov 1970. Ex: soil, Russia,  
Moscow Region. (Medium 209, 28°C, F-5) (1361)

***Streptomyces* sp.**

Ac-234 <-- INMI, VKM A-234 <-- Krassilnikov N.A., INMI 91. (JCM 4998). Received as:  
"*Streptomyces (Actinomyces) litmotinctus*" subsp. "*lactis*" Krassilnikov 1970 Type. Ex: soil,  
Russia, Moscow Region. (Medium 212, 28°C, F-1) (1361)

***Streptomyces* sp.**

Ac-235 <-- INMI, VKM A-235 <-- Krassilnikov N.A., INMI 59. Received as: "*Streptomyces*  
*lividans*" (Krassilnikov et al. 1965) Pridham 1970. Former name: "*Actinomyces lividans*"  
Krassilnikov et al. 1965. Ex: soil, Russia, Moscow Region. (Medium 209, 28°C, F-1) (17,  
1361)

***Streptomyces* sp.**

Ac-243 <-- INMI, VKM A-243 <-- Krassilnikov N.A., INMI 2918. (ISP 5435; RIA 1247; ATCC  
19850, 25467; CBS 700.69; DSM 40435; IFO 13055; JCM 4489, 10428; NRRL B-12276).  
Received as "*Streptomyces (Actinomyces) longissimus*" (Krassilnikov 1941) Krassilnikov  
and Yuan 1965. Ex: soil. (Medium 209, 28°C, F-5) (675, 1359, 1361, 1364)

***Streptomyces* sp.**

Ac-247 <-- INMI, VKM A-247 <-- Krassilnikov N.A., A-305 <-- Chain E.B. Italy, 305. Received as:  
"*Streptomyces (Actinomyces) malachiticus*" (Kudrina et al. 1957) Krassilnikov and  
Yegorova 1965. (Medium 209, 28°C, F-5) (717, 1361)

***Streptomyces* sp.**

Ac-248 <-- INMI, VKM A-248 <-- Krassilnikov N.A., INMI 1464. Received as: "*Streptomyces*  
*mannitorapidus*" Krassilnikov 1970 Type. Ex: soil, Russia, Moscow Region.  
(Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-251 <-- INMI, VKM A-251 <-- Krassilnikov N.A., INMI 610-08. Received as: "*Streptomyces*  
*nigriviridis*" Krassilnikov 1970. Ex: soil, Crimea. (Medium 212, 28°C, F-5)  
(1361, 1364)

***Streptomyces* sp.**

Ac-253 <-- INMI, VKM A-253 <-- Krassilnikov N.A., INMI 549. Received as: "*Streptomyces*  
*nitrohostilis*" Krassilnikov 1970 Type. Ex: soil, Crimea. (Medium 209,  
28°C, F-5) (1361)

***Streptomyces* sp.**

Ac-257 <-- INMI, VKM A-257 <-- Krassilnikov N.A., INMI 11-98. Received as: "*Streptomyces*  
*olivocinereus*" Krassilnikov 1970 Type. Ex: soil, Tadzhikistan. (Medium  
209, 28°C, F-1) (31, 1361, 1364)

***Streptomyces* sp.**

Ac-260 <-- INMI, VKM A-260 <-- Krassilnikov N.A., INMI 367. (INA P-62). Received as:  
"*Streptomyces pneumonicus*" (Krassilnikov et al. 1960) Pridham 1970 Type. Former name:  
"*Actinomyces pneumonicus*" Krassilnikov et al. 1960 Type. Ex: soil, sierozem, Wakhsh  
River Valley, Tadzhikistan. (Medium 13, 28°C, F-1) (14, 1361, 1364)

***Streptomyces* sp.**

Ac-262 <-- INMI, VKM A-262 <-- Krassilnikov N.A., INMI 94-9. Received as: "*Streptomyces (Actinomyces) pruniviolaceus*" Krassilnikov 1970 Type. Ex: soil, Crimea. (Medium 212, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-267 <-- INMI, VKM A-267 <-- Krassilnikov N.A., INMI 588. Received as: "*Streptomyces (Actinomyces) pseudoalbus*" Krassilnikov 1970 Type. Ex: soil, Pamirs, alpine, USSR. (Medium 209, 28°C, F-5) (1361, 1364)

***Streptomyces* sp.**

Ac-276 <-- INMI, VKM A-276 <-- Krassilnikov N.A., INMI 528. Received as: "*Streptomyces raffinosus*" (Krassilnikov 1958) Pridham 1970 Type. Former name: "*Actinomyces raffinosus*" Krassilnikov 1958 Type. Ex: soil, Russia. (Medium 13, 28°C, F-1) (316, 1361, 1362, 1364)

***Streptomyces* sp.**

Ac-278 <-- INMI, VKM A-278 <-- Krassilnikov N.A., INMI 221. Received as: "*Streptomyces (Actinomyces) ravidus*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-279 <-- INMI, VKM A-279 <-- Krassilnikov N.A., INMI 280. Received as: "*Streptomyces (Actinomyces) ravus*" Krassilnikov 1970. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-295 <-- INMI, VKM A-295 <-- Krassilnikov N.A., INMI 63. Received as: "*Streptoverticillium (Streptomyces) reticuloroseum*" Krassilnikov 1970 Type. Ex: soil, USSR. (Medium 205, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-301 <-- INMI, VKM A-301 <-- Krassilnikov N.A., INMI 1119. Received as: "*Streptomyces rubro-cyaneus*" (Krassilnikov and Husein 1965) Pridham 1970. Former name: "*Actinomyces rubro-cyaneus*" Krassilnikov and Husein 1965. Ex: soil. (Medium 209, 28°C, F-5) (1361)

***Streptomyces* sp.**

Ac-302 <-- INMI, VKM A-302 <-- Krassilnikov N.A., INMI 1942. Received as: "*Streptomyces rubro-cyaneus*" (Krassilnikov and Husein 1965) Pridham 1970. Former name: "*Actinomyces rubro-cyaneus*" Krassilnikov and Husein 1965. Ex: soil. (Medium 209, 28°C, F-5) (1361)

***Streptomyces* sp.**

Ac-303 <-- INMI, VKM A-303 <-- Krassilnikov N.A., INMI I-22. Received as: "*Streptomyces (Actinomyces) rutilus*" Krassilnikov 1970 Type. Ex: soil, Enisei River Bank, Russia, Igarka. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-307 <-- INMI, VKM A-307 <-- Krassilnikov N.A., INMI 252. Received as: "*Streptomyces (Actinomyces) setosus*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1) (1361)

***Streptomyces* sp.**

Ac-308 <-- INMI, VKM A-308 <-- Krassilnikov N.A. <-- IAM 0023. Received as: "*Streptomyces (Actinomyces) spirolavendulae*" Krassilnikov 1970. (Medium 205, 28°C, F-1, C-1) (1361)

***Streptomyces* sp.**

Ac-309 <-- INMI, VKM A-309 <-- Krassilnikov N.A., INMI 2388. Received as: "*Streptomyces (Actinomyces) spirolavendulae*" Krassilnikov 1970. Ex: soil, Azerbaijan. (Medium 205, 28°C, F-1, C-1) (1361)

***Streptomyces* sp.**

Ac-310 <-- INMI, VKM A-310 <-- Krassilnikov N.A., INMI 425. Received as: "*Streptomyces (Actinomyces) sporocanensis*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-311 <-- INMI, VKM A-311 <-- Krassilnikov N.A., INMI 26. Received as: "*Streptomyces (Actinomyces) sporocaneus*" Krassilnikov 1970 Type. Ex: chestnut soil, Bulgaria. (Medium 209, 28°C, F-1, C-1) (1361)

***Streptomyces* sp.**

Ac-313 <-- INMI, VKM A-313 <-- Krassilnikov N.A., INMI P 5a-4. Received as: "*Streptomyces (Actinomyces) sporoclinosus*" Krassilnikov 1970. Ex: soil, Pamirs, USSR. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-316 <-- INMI, VKM A-316 <-- Krassilnikov N.A., INMI 352. Received as: "*Streptomyces (Actinomyces) sporocrineus*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-317 <-- INMI, VKM A-317 <-- Krassilnikov N.A., INMI 25. Received as: "*Streptomyces (Actinomyces) sporopillosus*" Krassilnikov 1970 Type. Ex: chestnut soil, Bulgaria. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-319 <-- INMI, VKM A-319 <-- Krassilnikov N.A., INMI 287. Received as: "*Streptomyces (Actinomyces) sporostellatus*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1, C-1) (1361)

***Streptomyces* sp.**

Ac-320 <-- INMI, VKM A-320 <-- Krassilnikov N.A., INMI 353. Received as: "*Streptomyces (Actinomyces) sporotumulus*" Krassilnikov 1970 Type. Ex: soil, delta of Nile River, Egypt. (Medium 209, 28°C, F-1, C-1) (1361)

***Streptomyces* sp.**

Ac-322 <-- INMI, VKM A-322 <-- Krassilnikov N.A., INMI 216. Received as: "*Streptomyces (Actinomyces) sporovirgulis*" Krassilnikov 1970 Type. Ex: soil, krasnozem, Georgia. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-484 <-- INMI, VKM A-484 <-- Krassilnikov N.A., INMI 434. (RIA 1554; ATCC 19846). Received as: "*Streptomyces subflavus*" (Krassilnikov et al. 1965) Pridham 1970 Type. Former name: "*Actinomyces subflavus*" Krassilnikov et al. 1965 Type. Ex: soil, USSR. (Medium 209, 28°C, F-1, C-1) (18, 1364)

***Streptomyces* sp.**

Ac-485 <-- INMI, VKM A-485 <-- Krassilnikov N.A., INMI 17b. Received as: "*Streptomyces (Actinomyces) subruber*" Mironova et al. 1974. (Medium 212, 28°C, F-5) (1005)

***Streptomyces* sp.**

Ac-488 <-- INMI, VKM A-488 <-- Krassilnikov N.A., INMI 1626. Received as: "*Streptomyces (Actinomyces) syringocolor*" Krassilnikov 1970. Former name: "*Actinomyces syringae*" (Kuchaeva et al. 1961) Pridham 1970. Ex: soil, Kola Peninsula, Russia. (Medium 209, 28°C, F-1, C-1) (64, 1361, 1364)

***Streptomyces* sp.**

Ac-489 <-- INMI, VKM A-489 <-- Krassilnikov N.A., INMI 192. Received as: "*Streptomyces (Actinomyces) taleus*" Krassilnikov 1970 Type. Ex: soil, Russia, Moscow Region. (Medium 209, 28°C, F-1) (1361)

***Streptomyces* sp.**

Ac-490 <-- INMI, VKM A-490 <-- Krassilnikov N.A., INMI 342. Received as: "*Streptomyces (Actinomyces) theecolor*" Krassilnikov 1970 Type. Ex: mountain-meadow soil, Crimea. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-500 <-- INMI, VKM A-500 <-- Krassilnikov N.A., INMI 2355. Received as: "*Streptomyces toxicus*" (Krassilnikov 1958) Pridham 1970 Type. Former name: "*Actinomyces toxicus*" Krassilnikov 1958. Ex: soil, Kola Peninsula, Russia. (Medium 13, 28°C, F-1) (68, 1361, 1364)

***Streptomyces* sp.**

Ac-502 <-- INMI, VKM A-502 <-- Krassilnikov N.A., INMI P-42. Received as: "*Streptomyces tumemacerans*" (Krassilnikov and Koveshnikov 1962) Pridham 1970 Type. Former name: "*Actinomyces tumemacerans*" Krassilnikov and Koveshnikov 1962. Ex: soil, Askanya Nova Reserve. (Medium 3, 28°C, F-5) (1006, 1060, 1364, 1972)

***Streptomyces* sp.**

Ac-503 <-- INMI, VKM A-503 <-- Krassilnikov N.A., INMI 45-2. Received as: "*Streptomyces (Actinomyces) umbriferus*" Krassilnikov 1970 Type. Ex: soil, Pamirs, USSR. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-504 <-- INMI, VKM A-504 <-- Krassilnikov N.A., INMI 910. Received as: "*Streptomyces (Actinomyces) umbrilatus*" Krassilnikov 1970 Type. Ex: grey-brown desert soil, Pamirs, USSR. (Medium 209, 28°C, F-5) (1361)

***Streptomyces* sp.**

Ac-533 <-- INMI, VKM A-533 <-- Krassilnikov N.A., INMI 2929. (ISP 5207; RIA 657, 1297; ATCC 15893, 25517; CBS 659.69; DSM 40207; IFO 13105; JCM 4535). Received as: "*Streptomyces (Actinomyces) violochromogenes*" Artamonova and Krassilnikov 1960 Type. Ex: soil, sierozem, Uzbekistan, Tashkent. (Medium 212, 28°C, F-1) (16, 1359, 1361, 1364)

***Streptomyces* sp.**

Ac-537 <-- INMI, VKM A-537 <-- Krassilnikov N.A., INMI 21 g. Received as: "*Streptomyces (Actinomyces) violocinereus*" Krassilnikov 1970 Type. Ex: mountain-meadow soil, Georgia. (Medium 212, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-542 <-- INMI, VKM-542 <-- Krassilnikov N.A., INMI 64 k. Received as: "*Streptomyces (Actinomyces) violoroseus*" Krassilnikov 1970 Type. Ex: soil, USSR. (Medium 212, 28°C, F-1, C-1) (1361, 1364)

***Streptomyces* sp.**

Ac-544 <-- INMI, VKM A-544 <-- Krassilnikov N.A., INMI 1671. (ATCC 19849). Received as: "*Streptomyces viridans*" (Krassilnikov 1941) Waksman 1953 Type. Ex: garden soil, Russia, Moscow Region. (Medium 205, 28°C, F-1, C-1) (717, 1361, 1364)

***Streptomyces* sp.**

Ac-551 <-- INMI, VKM A-551 <-- Krassilnikov N.A., INMI 1876. Received as: "*Streptomyces viridaris*" (Krassilnikov and Yegorova 1965) Pridham 1970 Type. Former name: "*Actinomyces viridaris*" Krassilnikov and Yegorova 1965 Type. Ex: soil, Egypt. (Medium 209, 28°C, F-1)(717, 1361, 1364)

***Streptomyces* sp.**

Ac-552 <-- INMI, VKM A-552 <-- Krassilnikov N.A., INMI 91 <-- Baldacci E. Italy, ATCC 3372. (ISP 5454; VKM Ac-553, 741; RIA 488, 1351; ATCC 3372; CBS 369.66, 691.72; DSM 40454; IFO 13390; JCM 4227, 4858; NRRL B-1330). Received as: "*Streptomyces (Actinomyces) viridifuscus*" (Millard and Burr 1926) Krassilnikov and Yegorova 1965 Type. Former name: "*Streptomyces viridogenes*" Waksman 1953 Type, "*Actinomyces viridis*" Millard and Burr 1926. Ex: potato scab. (Medium 215, 28°C, F-1) (717, 1364)

***Streptomyces* sp.**

Ac-560 <-- INMI, VKM A-560 <-- Krassilnikov N.A., INMI 070. Received as: "*Streptomyces (Actinomyces) viridovulgaris*" Krassilnikov 1970 Type. Former name: "*Actinomyces vulgaris*" Nikitina et al. 1960, "*Streptomyces vulgaris*" (Nikitina et al. 1960) Pridham 1970. Ex: soil, chernozem, Ukraine, Odessa. (Medium 209, 28°C, F-1, C-1) (12, 1361)

***Streptomyces* sp.**

Ac-561 <-- INMI, VKM A-561 <-- Krassilnikov N.A., INMI 1609. Received as: "*Streptomyces (Actinomyces) virocidus*" Kuchaeva et al. 1961 Type. Ex: soil, USSR. (Medium 209, 28°C, F-1, C-1) (64, 87, 1364)

***Streptomyces* sp.**

Ac-574 <-- INMI, VKM A-574 <-- RIA, RIA 1451. (ISP 5603; RIA 969, 1451; ATCC 27422; CBS 791.72; DSM 40603; IFO 13490; IMET 43411; JCM 4438, 4732; NRRL 2564). Received as: "*Streptomyces caespitosus*" Sugawara and Hata 1956 Type. Ex: soil, Japan. (Medium 13, 28°C, F-1, C-1) (837, 1360, 1364)

***Streptomyces* sp.**

Ac-580 <-- INMI, VKM A-580 <-- RIA, RIA 1290. (ISP 5257; VKM Ac-1708; RIA 469, 591, 804, 1290; ATCC 11861, 25510; CBS 307.55, 652.69; DSM 40257; IFO 13098; JCM 4091, 4528; NCIMB 8852; NRRL B-1381, NRRL B-2285). Received as: "*Streptomyces vinaceus*" (Mayer et al.) Waksman Type. (Medium 212, 28°C, F-1, C-1) (1359, 1364)

***Streptomyces* sp.**

Ac-595 <-- INMI, VKM A-595 <-- Zenova G.M. DSB MGU, MGU 11. Received as: "*Streptomyces (Actinomyces) umbriferus*" Krassilnikov 1970 Neotype. Ex: soil, Russia, Moscow Region. (Medium 209, 28°C, F-1) (1361)

***Streptomyces* sp.**

Ac-601 <-- INMI, VKM A-601 <-- KCC S-0232. (VKM Ac-757; ATCC 12125; DSM 40768; ETH

24458). Received as: "*Streptomyces griseoroseus*" Heinemann et al. 1955 Type. (Medium 205, 28°C, F-1) (1346, 1364)

***Streptomyces* sp.**

Ac-610 <-- Kuznetsov V.D., INMI, K-3960. Received as: "*Streptomyces cyperinus*" Kuznetsov and Philippova 1986 Type. Ex: root zone of chufa (*Cyperinus esculentus* L.) (Medium 205, 28°C, F-1)

***Streptomyces* sp.**

Ac-611 <-- Kuznetsov V.D., INMI, K-3946. Received as: "*Streptomyces ruber*" (Krainsky 1914) Waksman and Henrici 1948 suggested neotype. Ex: soil, Baikal region, Russia. (Medium 205, 28°C, F-1)

***Streptomyces* sp.**

Ac-616 <-- INMI, VKM A-616 <-- Konev Y.E. VNITIAF, LIA 0385. (JCM 4999) Received as: "*Streptoverticillium rutilum*" Konev and Tsyganov 1966. Ex: soil, Georgia. (Medium 205, 28°C, F-1, C-1) (67, 1364)

***Streptomyces* sp.**

Ac-630 <-- INMI, VKM A-630 <-- RIA, RIA 1334. (ISP 5381; RIA 1334; ATCC 15732; CBS 674.72; DSM 40381; IFO 13373; JCM 4854; NRRL B-12320). Received as: "*Streptomyces viridis*" (Lombardo-Pellegrino 1903) Waksman 1953 Neotype. (Medium 205, 28°C, F-1, C-1) (927, 1360)

***Streptomyces* sp.**

Ac-673 <-- INMI, VKM A-673 <-- CBS 101.18. (ISP 5589; RIA 1439; ATCC 27453; CBS 101.18, 779.72; DSM 40589; IFO 13478; JCM 3014, 4804; NCIMB 12970; NRRL B-12520). Received as: "*Streptomyces oligocarbophilus*" (Beijerinck and van Delden 1914) Lantzsck 1922 Type. (Medium 212, 28°C, F-1) (1360, 1364)

***Streptomyces* sp.**

Ac-707 <-- Agre N.S. IBPM, ISP 5416. (ISP 5416; RIA 1212; ATCC 19825, 25432; CBS 665.69; DSM 40416; IFO 13020; JCM 4456; NRRL B-12343). Received as: "*Streptomyces aureomonopodiales*" (Krassilnikov and Yuan 1965) Pridham 1970. Former name: "*Actinomyces aureomonopodiales*" Krassilnikov and Yuan 1965. Ex: soil. (Medium 205, 28°C, F-5) (675, 1359, 1361)

***Streptomyces* sp.**

Ac-711 <-- IBPM, ISP 5256. (ISP 5256; RIA 1182; ATCC 23901; CBS 797.68; DSM 40256; IFO 12856; JCM 4313, 4634; NCIMB 9802; NRRL B-2442). Received as: "*Streptomyces coralus*" Dietz 1964 Type. (Medium 184, 28°C, F-1) (1354, 1364)

***Streptomyces* sp.**

Ac-730 <-- RIA, RIA 1245. (ISP 5321; RIA 1245; ATCC 25465; CBS 342.35, 698.69; DSM 40321; IFO 13053; JCM 4487; NRRL B-1577). Received as: "*Streptomyces krainskii*" (Duche 1934) Pridham et al. 1958 Type. (Medium 6, 28°C, F-1) (1359, 1364)

***Streptomyces* sp.**

Ac-734 <-- RIA, RIA 1203. (ISP 5320; RIA 1203; ATCC 25423; CBS 100.34, 921.69; CIP 104426; DSM 40320; IFO 13011, 14052; JCM 4447; NRRL B-1672). Received as: "*Streptomyces albidus*" (Duche 1934) Waksman 1953 Type. Ex: Monospore isolate from *Streptomyces microflavus* CBS 124.18. (Medium 209, 28°C, F-1, C-1) (1359)

***Streptomyces* sp.**

Ac-739 <-- IBPM, ISP 5566. (ISP 5566; RIA 1423; ATCC 13849; CBS 763.72; DSM 40566; IFO 13462; JCM 4817; NRRL B- 12499). Received as: "*Streptomyces pulcher*" Routien 1967 Type. (Medium 209, 28°C, F-1) (1296, 1360)

***Streptomyces* sp.**

Ac-740 <-- RIA, RIA 1450. (ISP 5600; RIA 1450; ATCC 27445; CBS 790.72; DSM 40600; IFO 13489; JCM 4787; NRRL B-12554). Received as: "*Streptomyces luteolutescens*" (Yen 1956) Pridham 1970 Type. (Medium 211, 28°C, F-1) (1360, 1364)

***Streptomyces* sp.**

Ac-742 <-- IBPM, ISP 5485. (ISP 5485; RIA 1364; ATCC 14155; CBS 704.72; DSM 40485; IFO 13403; JCM 4741; NCIMB 12966; NRRL B-5738). Received as: "*Streptomyces coriofaciens*" Schmidt-Thome et al. 1962 Type. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces* sp.**

Ac-744 <-- IBPM, ISP 5031. (ISP 5031; RIA 1066; ATCC 19787; CBS 539.68; DSM 40031; IFO 12798, 15797; JCM 4399; NRRL B-5482). Received as: "*Streptomyces minoensis*" Nishimura 1961 Type. Ex: soil, Japan. (Medium 209, 28°C, F-1) (841, 1356)

***Streptomyces* sp.**

Ac-745 <-- RIA, RIA 1407. (ISP 5547; RIA 1407; ATCC 27466; CBS 747.72; DSM 40547; IFO 13446; JCM 4833; NRRL 3193). Received as: "*Streptomyces steffisburgensis*" Dietz 1967 Type. (Medium 209, 28°C, F-1, C-1) (754, 875, 1360, 1364)

***Streptomyces* sp.**

Ac-749 <-- IBPM, ISP 5475. (ISP 5475; RIA 1356; ATCC 27418; CBS 696.72; DSM 40475; JCM 4724; NRRL 2429). Received as: "*Streptomyces atrofaciens*" Ehrlich et al. 1963 Type. Ex: soil. (Medium 191, 28°C, F-1) (1360, 1364)

***Streptomyces* sp.**

Ac-750 <-- RIA, RIA 1396. (ISP 5532; RIA 1396; ATCC 27460; CBS 736.72; DSM 40532; IFO 13435; JCM 4819; NRRL 3151). Received as: "*Streptomyces regalis*" Reusser 1967 Type. (Medium 205, 28°C, F-1, C-1) (1360)

***Streptomyces* sp.**

Ac-756 <-- Agre N.S. IBPM, ISP 5533. (ISP 5533; RIA 1397; ATCC 27462; CBS 737.72; DSM 40533; IFO 13436; JCM 4822; NRRL 3152). Received as: "*Streptomyces rosa*" Reusser 1967 Type. (Medium 207, 28°C, F-1, C-1) (107, 1360, 1364)

***Streptomyces* sp.**

Ac-760 <-- Agre N.S. IBPM <-- INA, ISP 5307. (ISP 5307; RIA 1261; ATCC 23265, 25481; CBS 909.69, 253.65; DSM 40307; IFO 13069; JCM 4502; NRRL B-3164). Received as: "*Streptomyces ornatus*" Calot and Cercos 1963 Type. Ex: soil, Argentina, Buenos Aires. (Medium 205, 28°C, F-1) (814, 1359, 1364)

***Streptomyces* sp.**

Ac-770 <-- Agre N.S. IBPM, 1128. Received as: "*Streptomyces (Actinomyces) roseoflavus*" subsp. "*roseofungini*" Nikitina 1968 Type. Ex: soil. (Medium 212, 28°C, F-1) (1161, 1223, 2037, 2879)

***Streptomyces* sp.**

Ac-772 <-- RIA, RIA 1299. (ISP 5201; RIA 334, 1229; ATCC 15895, 25519; CBS 661.69; DSM 40201; IFO 13107; JCM 4537; NRRL B-5431). Received as: "*Streptomyces vulgaris*"

(Nikitina et al. 1960) Pridham 1970 Type. Former name: "*Actinomyces viridovulgaris*"  
Krassilnikov 1970. Ex: soil, vineyard, Crimea. (Medium 3, 28°C, F-1) (12, 1361)

***Streptomyces* sp.**

Ac-792 <-- IBPM, INMI 263. Received as: "*Actinomyces favillatus*" Krassilnikov 1970 Type. Ex:  
soil, USSR. (Medium 209, 28°C, F-1) (1361, 1364)

***Streptomyces* sp.**

Ac-819 <-- Konev Y.E. VNITIAF, LIA 0677. Received as: "*Streptoverticillium mediocidicum*" subsp.  
"*auxiliaris*" Konev et al. 1974. Ex: soil. (Medium 205, 28°C, F-1, C-1) (113, 1364)

***Streptomyces* sp.**

Ac-904 <--RIA, RIA 1211. (ISP 5414; RIA 1211; ATCC 19824, 25431; CBS 666.69; DSM 40414;  
IFO 13019; JCM 4455). Received as: "*Streptoverticillium aureofasciculus*" Former name: "*Actinomyces aureofasciculus*" Krassilnikov and Yuan 1965. Ex: soil. (Medium 13, 28°C,  
F-1, C-1) (675, 1359, 1364)

***Streptomyces* sp.**

Ac-932 <--RIA, RIA 1335. (ISP 5384; RIA 1335; ATCC 27424; CBS 675.72; DSM 40384; IFO  
13374; JCM 4736; NRRL B-12322). Received as: "*Streptomyces chromogenus*" Isono et al.  
1955 Type. (Medium 212, 28°C, F-1, C-1) (1037, 1360)

***Streptomyces* sp.**

Ac-969 <--RIA, RIA 1393. (ISP 5529; RIA 1393; ATCC 23443; CBS 739.72; DSM 40529; IFO  
13432; JCM 4792; NRRL 3150; ).Received as: "*Streptomyces moderatus*" Reusser 1967  
Type. Ex: soil. (Medium 215, 28°C, F-1) (107, 272, 1360)

***Streptomyces* sp.**

Ac-1004 <--RIA, RIA 1105. (ISP 5024; RIA 1105; ATCC 23953; CBS 936.68; DSM 40024; IFO  
13203; JCM 4214, 4666; NRRL B-2517;). Received as: "*Streptomyces pyridomyceticus*"  
Umezawa and Okami 1957 Type. Former name: "*Streptomyces albidofuscus*" Maeda et al.  
1953. Ex: soil, Japan. (Medium 190, 28°C, F-1, C-1) (427, 1354, 1364)

***Streptomyces* sp.**

Ac-1005 <-- RIA, RIA 1414. (ISP 5557; RIA 1414; ATCC 27415; CBS 100.41, 754.72; DSM 40557;  
IFO 13453). Received as: "*Streptomyces alni*" (Woronin) Fiuczek 1959 Neotype. Ex: root  
nodules of *Alnus* sp. (Medium 190, 28°C, F-1, C-1) (1360)

***Streptomyces* sp.**

Ac-1009 <-- RIA, RIA 1344. (ISP 5432; RIA 1344; ATCC 19842; CBS 684.72; DSM 40432; IFO  
13383; JCM 4774; NRRL B- 12366). Received as: "*Streptomyces indigocolor*"  
(Krassilnikov et al. 1965) Pridham 1970 Type. Former name: "*Actinomyces indigocolor*"  
Krassilnikov et al. 1965 Type. Ex: soil, sierozem, Tadjhikistan. (Medium 205, 28°C, F-1,  
C-1) (17, 1360, 1363, 1364)

***Streptomyces* sp.**

Ac-1010 <-- RIA, RIA 1088. (ISP 5076; RIA 1088; ATCC 19808; CBS 561.68; DSM 40076; IFO  
12818; JCM 4078, 4413; NRRL B-1320, B-3062) . Received as: "*Streptomyces roseus*"  
(Krainsky 1914) Pridham et al. 1958 Type. (Medium 191, 28°C, F-1, C-1) (1356, 1364)

***Streptomyces* sp.**

Ac-1013 <-- RIA, RIA 1313. (ISP 5239; RIA 1313; ATCC 11989; CBS 238.61, 653.72; DSM 40239;  
IFO 13352; JCM 4155, 4853; NCIB 8954; NRRL B-1679). Received as: "*Streptomyces*  
*viridifaciens*" Gourevitch and Lein 1955 Type. Ex: soil. (Medium 205, 28°C, F-1, C-1)

(1360)

***Streptomyces* sp.**

Ac-1175 <-- RIA, RIA 1328. (ISP 5357; RIA 976, 1328; ATCC 27448; CBS 668.72, 700.57; DSM 40357; IFO 13367; JCM 4693, 4795; NCIMB 10038; NRRL 2651, B-5314). Reseived as "*Streptomyces natalensis*" Struyk et al. 1958 Type. Ex: soil, Union of South Africa. (Medium 209, 28°C, F-1, C-1) (174, 1360)

***Streptomyces* sp.**

Ac-1181 <-- RIA, RIA 1156. (ISP 5210; RIA 660, 1156; ATCC 15863, 23909; CBS 830.68; DSM 40210; IFO 12863; JCM 4374; NCIMB 9804; NRRL B-3363). Received as: "*Streptomyces fulvoviridis*" (Kuchaeva et al. 1960) Pridham 1970 Type. Former name: "*Actinomyces fulvoviridis*" Kuchaeva et al. 1960. Ex: soil, Czechoslovakia. (Medium 207, 28°C, F-1, C-1) (719, 1354, 1361, 1364)

***Streptomyces* sp.**

Ac-1193 <-- RIA, RIA 1243. (ISP 5345; RIA 1243; ATCC 25463; CBS 696.69; DSM 40345; IFO 13051; IMET 43131; JCM 4485; NCIMB 9981; NCIMB B-12290). Reseived as: "*Streptomyces karnatakensis*" Pinto and Ramasarma 1956 Type. (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces* sp.**

Ac-1204 <-- RIA, RIA 1367. (ISP 5488; RIA 1367; ATCC 12414; CBS 707.72; DSM 40488; IFO 13406; JCM 4825). Received as: "*Streptomyces roseogriseus*" Routien 1963 Type. (Medium 209, 28°C, F-1, C-1) (1360, 1364)

***Streptomyces* sp.**

Ac-1217 <-- Konev Y.E.VNITIAF, LIA 0371. Received as: "*Streptoverticillium krissii*" Konev et al. 1975 Type. Ex: saline soil, USSR. (Medium 8, 28°C, F-1, C-1) (67, 116, 1364)

***Streptomyces* sp.**

Ac-1223 <-- RIA, RIA 1216. (ISP 5402; RIA 1216; ATCC 25436; CBS 113.63, 744.69; DSM 40402; IFO 13024; JCM 4460; NRRL B-12337). Received as: "*Streptomyces capuensis*" Baldacci et al. 1965 Type. Ex: soil, South America. (Medium 211, 28°C, F-1, C-1) (1359, 364)

***Streptomyces* sp.**

Ac-1259 <-- RIA, RIA 1403. (ISP 5540; RIA 1403; ATCC 27413; CBS 743.72; DSM 40540; IFO 13442; JCM 4713). Received as: "*Streptomyces acidoresistans*" Hutter 1967 Type. (Medium 209, 28°C, F-1, C-1) (1360, 1364)

***Streptomyces* sp.**

Ac-1274 <-- RIA, RIA 1201. (ISP 5337; RIA 1201; ATCC 25421; CBS 919.69; DSM 40337; IFO 13009; JCM 4445; NRRL 2954). Received as: "*Streptomyces actuosus*" Pinnert et al. 1964 Type. Ex: soil, Argentina. (Medium 209, 28°C, F-1, C-1) (1359, 1364)

***Streptomyces* sp.**

Ac-1327 <-- RIA, RIA 1404. (ISP 5541; RIA 1404; ATCC 14841; CBS 744.72; DSM 40541; IFO 13443; JCM 4752; NRRL B- 2684). Received as: "*Streptomyces flavochromogenes*" (Krainski 1914) Waksman and Henrici 1948 Type. (Medium 209, 28°C, F-1, C-1) (1360, 1364)

***Streptomyces* sp.**

Ac-1354 <-- Nikitina Y.T. IMiV, 1-68. Received as: nokardia-like "fructose" variant of "*Streptomyces roseoflavus*" subsp. "*roseofungini*" Nikitina 1968. (Medium 215, 28°C, F-1, C-1) (1223,

1637)

***Streptomyces* sp.**

Ac-1701 <-- RIA, RIA 1063. (ISP 5167; INA 399/54; RIA 1063; ATCC 19784, 19918; CBS 536.68; DSM 40167; ETH 24196; IFO 12795; IMET 43507; JCM 4397). Received as: "*Streptomyces malachiticus*" (Kudrina et al. 1957) Pridham et al. 1958. Ex: soil. (Medium 205, 28°C, F-1)

***Streptomyces* sp.**

Ac-1706 <-- RIA, RIA 1223. (ISP 5424; RIA 1223; ATCC 19834, 25443; CBS 678.69; DSM 40424; IFO 13031). Received as: "*Streptomyces coerulatus*" (Krassilnikov et al. 1965) Pridham 1970. Former name: "*Actinomyces coerulatus*" Krassilnikov et al. 1965. Ex: soil. (Medium 205, 28°C, F-1) (17, 1359, 1361)

***Streptomyces* sp.**

Ac-1709 <-- RIA, RIA 1346. (ISP 5434; RIA 1346; ATCC 19844; CBS 686.72; DSM 40434; IFO 13385; JCM 4783). Received as: "*Streptomyces lividans*" (Krassinikov et al. 1965) Pridham 1970. Ex: soil. (Medium 205, 28°C, F-1) (17, 1360, 1361)

***Streptomyces* sp.**

Ac-1716 <-- RIA, RIA 1345. (ISP 5433; RIA 1345; ATCC 19843; CBS 685.72; DSM 40433; IFO 13384; JCM 4780; NRRL B-12367). Received as: "*Streptomyces lazareus*" (Krassilnikov et al. 1965) Pridham 1970. Former name: "*Actinomyces lazareus*" Krassilnikov et al. 1965. Ex: soil. (Medium 205, 28°C, F-1) (17, 1360, 1361)

***Streptomyces* sp.**

Ac-1730 <-- RIA, RIA 1032. (ISP 5054; RIA 1032; ATCC 19751; CBS 490.68; DSM 40054; IFO 12765; JCM 4367; NRRL 2413). Received as: "*Streptomyces fasciculatus*" Pittenger and Nelms 1953 Type. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces* sp.**

Ac-1733 <-- RIA, RIA 1303. (ISP 5602; RIA 1303; ATCC 13748; CBS 643.72; DSM 40602; IFO 13342; JCM 5051; NRRL B-3026, B-12556). Received as: "*Streptomyces humifer*" Pridham 1970 Type. (Medium 207, 28°C, F-1) (1360, 1364)

***Streptomyces* sp.**

Ac-1738 <-- RIA, RIA 1395. (ISP 5531; RIA 1395; ATCC 27457; CBS 735.72; DSM 40531; IFO 13434; JCM 4810; NRRL 3149). Received as: "*Streptomyces pallidus*" Reusser 1967 Type. (Medium 205, 28°C, F-1) (1360)

***Streptomyces* sp.**

Ac-1743 <-- RIA, RIA 1177. (ISP 5240; RIA 1177; ATCC 23957; CBS 940.68; DSM 40240; IFO 12909; JCM 4410; NCIMB 9854; NRRL 2776). Received as: "*Streptomyces roseoluteus*" Bessell 1961 Type. Ex: soil, Nigeria. (Medium 205, 28°C, F-1) (1354, 1364)

***Streptomyces* sp.**

Ac-1748 <-- RIA, RIA 1284. (ISP 5242; RIA 1284; ATCC 25504; CBS 646.69; DSM 40242; IFO 13092; JCM 4522; NRRL 2791). Received as: "*Streptomyces umbrosus*" Schmidt-Kastner 1957 Type. (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces* sp.**

Ac-1770 <-- INA, INA 4413. (INA 4413). Received as: "*Streptomyces fumosus*" (Krassilnikov 1941) Waksman 1953 Type. (Medium 205, 28°C, F-1) (1364)

***Streptomyces* sp.**

Ac-1772 <-- RIA, RIA 300. (ISP 5534; INA 390; RIA 300, 1398; ATCC 27426; CBS 113.60, 738.72; DSM 40534; IFO 13437; JCM 4744; NCIMB 12968; NRRL B-2591). Received as: "*Streptomyces cyaneogriseus*" (Yen 1956) Pridham 1970 Type. Ex: soil. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces* sp.**

Ac-1821 <-- RIA, RIA 843. (ISP 5227; VKM Ac-720; RIA 843, 1280; ATCC 11416, 25500; CBS 960.69; DSM 40227; IFO 13088; JCM 4519; NCIMB 13006; NRRL B-2345). Received as: "*Streptomyces thermotolerans*" Pagano et al. 1959 Type. (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces* sp.**

Ac-1830 <-- INA, INA 6476. (INA 6476). Received as: "*Streptomyces alborubidus* (Kudrina 1957) Pridham et al. 1958 Type. Former name: "*Actinomyces alborubidus*" Kudrina 1957. Ex: Soil. (Strain differs from "*Streptomyces alborubidus*" INA 6476/62 = ISP 5465 described as *Nocardiopsis alborubidus* Grund and Kroppenstedt 1990) and *Nocardiopsis dassonvillei* subsp. *albirubida* Evtushenko et al. 2000 (Medium 205, 28°C, F-1) (1364, 2884, 2897)

***Streptomyces* sp.**

Ac-1855 <-- INA, INA 11654. (INA 11654). Received as: "*Streptomyces coeruleorubidus* subsp. *rubomycini*" Preobrazhenskaya 1983 Type. (Medium 205, 28°C, F-1) (1364)

***Streptomyces* sp.**

Ac-1870 <-- INA, ATCC 17920. (ISP 5477; RIA 1357; ATCC 17920; CBS 697.72; DSM 40477; JCM 4838; LMG 5988; NCIMB 11028; NRRL 3816, B-12390). Received as: "*Streptomyces tenebrarius*" Higgins and Kastner 1967 Type. Ex: soil, Mexico. (Medium 205, 28°C, F-1) (1360, 1363)

***Streptomyces* sp.**

Ac-1875 <-- INA, ATCC 10974. (RIA 78; ATCC 10974; CBS 110.60; CCM 3164; DSM 46370; ETH 14305; JCM 4257). Received as: "*Streptomyces citreus*" (Krainsky) Waksman and Henrici 1948. (Medium 205, 28°C, F-1)

***Streptomyces* sp.**

Ac-1897 <-- RIA, RIA 1252. (ISP 5333; RIA 1252; ATCC 25472; CBS 882.69; DSM 40333; IFO 13060; JCM 4494; NRRL B-12274). Received as: "*Streptomyces malachitorectus*" (Preobrazhenskaya et al. 1964) Pridham 1970 Type. (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces* sp.**

Ac-1908 <-- RIA, RIA 1011. (ISP 5140; RIA 1011; ATCC 19730, 23614; CBS 469.68; DSM 40140; IFO 12746; JCM 4351; NRRL B-3897, B-5348). Received as: "*Streptomyces bicolor*" (Preobrazhenskaya 1957) Pridham et al. 1958 Type. Ex: soil. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces* sp.**

Ac-2090 <-- Bueva O.V. IBPM, AD-9. Ex: potato scab, Belorussia. (Medium 205, 28°C, F-1)

***Streptomyces* sp.**

Ac-2513 <-- DSM, DSM 41643. (ATCC 49231; IAM 13637; IFO 14834; JCM 7250; NRRL B-16504). Former name: "*Kitasatosporia papulosa*". Ex: soil, Japan, Yokohama City. (Medium 214, 28°C, F-1)

***Streptomyces spiralis*** (Falcao de Morais 1970) Goodfellow et al. 1986

Ac-1311 Type <-- DSM, DSM 43836. (ATCC 25664; DSM 43836; IFO 14215; JCM 3302; NRRL B-16922). Synonym: *Elytrosporangium spirale* Falcao de Morais 1970 Type. Ex: soil, Brazil. (Medium 209, 28°C, F-1, C-1) (810, 910, 1244, 1357)

***Streptomyces spiroverticillatus*** Shinobu 1958

Ac-751 Type <-- IBPM, ISP 5036. (ISP 5036; RIA 1091; ATCC 19811; CBS 564.68; DSM 40036; IFO 12821; JCM 4104, 4609; NRRL B-2259, B-5483). Ex: soil, Japan. (Medium 8, 28°C, F-1, C-1) (817, 1356, 1364)

***Streptomyces sporocinereus*** (ex Krassilnikov 1970) Preobrazhenskaya 1986

Ac-312 Type <-- INMI, VKM A-312 <-- Krassilnikov N.A., INMI 32. (ATCC 43692; DSM 41460; JCM 9093; NBRC 100766; NRRL B-16376). Synonym: "*Actinomyces sporocinereus*" Krassilnikov 1970 Type. Ex: chestnut soil, Bulgaria. (Medium 209, 28°C, F-1, C-1) (810, 1361, 1364)

***Streptomyces sporoclivatus*** (ex Krassilnikov 1970) Preobrazhenskaya 1986

Ac-315 Type <-- INMI, VKM A-315 <-- Krassilnikov N.A., INMI 97. (ATCC 43693; DSM 41461; JCM 9094; NBRC 100767). Synonym: "*Actinomyces sporoclivatus*" Krassilnikov 1970 Type. Ex: soil, Georgia. (Medium 209, 28°C, F-1, C-1) (810, 1361, 1364)

***Streptomyces spororaveus*** (ex Krassilnikov 1970) Preobrazhenskaya 1986

Ac-318 Type <-- INMI, VKM A-318 <-- Krassilnikov N.A., INMI 101. (ATCC 43694; DSM 41462; IFO 15456; JCM 6928; NRRL B-16378). Synonym: "*Actinomyces spororaveus*" Krassilnikov 1970 Type. Ex: soil, Russia, Moscow Region. (Medium 209, 28°C, F-1, C-1) (810, 1361, 1364)

***Streptomyces sporoverrucosus*** (ex Krassilnikov 1970) Preobrazhenskaya 1986

Ac-321 Type <-- INMI, VKM A-321 <-- Krassilnikov N.A., INMI 15. (ATCC 43695; DSM 41463; IFO 15458; JCM 6929; NRRL B-16379). Synonym: "*Actinomyces sporoverrucosus*" Krassilnikov 1970 Type. Ex: chestnut soil, Bulgaria. (Medium 209, 28°C, F-1, C-1) (810, 1361, 1364)

***Streptomyces subrutilus*** Arai et al. 1964

Ac-1210 Type <-- RIA, RIA 1349. (ISP 5445; RIA 1349; ATCC 27467; CBS 689.72; IFO 13388; DSM 40445; JCM 4695, 4834). Ex: soil, Japan. (Medium 211, 28°C, F-1, C-1) (878, 1360)

***Streptomyces sulphureus*** (Gasperini 1894) Waksman 1953

Ac-1820 Type <-- RIA, RIA 1306. (ISP 5104; RIA 1306; ATCC 27468; CBS 646.72; DSM 40104; IFO 13345; JCM 4085, 4835; NRRL B-1627). (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces tanashiensis*** Hata et al. 1952

Ac-1892 Type <-- RIA, RIA 1148. (ISP 5195; RIA 1148; ATCC 23967; CBS 950.68; DSM 40195; IFO 12919; JCM 4086, 4671; NRRL B-1692). Ex: cultivated soil, Tanashi-machi, Japan, Tokyo. (Medium 205, 28°C, F-1) (1354, 1364)

***Streptomyces tauricus*** Sveshnikova 1986

Ac-1853 Type <-- INA, INA 8173. (ISP 5560; INA 8173; RIA 1417; ATCC 27470; CBS 757.72; DSM 40560; IFO 13456; JCM 4837; NRRL B-12497). Ex: soil, the Crimea. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces tendae*** Ettlenger et al. 1958

Ac-1889 Type <-- RIA, RIA 1092. (ISP 5101; RIA 1092; ATCC 19812; CBS 565.68; DSM 40101; IFO 12822; JCM 4149, 4610; NCIMB 9614; NRRL B- 2313). Ex: soil, France, Tende.

(Medium 207, 28°C, F-1) (1356, 1364)

***Streptomyces thermviolaceus*** subsp. ***thermoviolaceus*** Henssen 1957

Ac-1857 Type <-- RIA, RIA 1348. (ISP 5443; RIA 1348; ATCC 19283; CBS 278.66, 688.72; DSM 40443; IFO 13905; JCM 4337, 4843; NCIMB 10076). Ex: mixed fresh horse and pig manure. (Medium 205, 45°C, F-1) (1360, 1364)

***Streptomyces thermovulgaris*** Henssen 1957

Ac-1281 <-- Agre N.S., INMI 1917. Ex: soil. (Medium 64, 37°C, F-1) (2039)

Ac-1745 Type <-- RIA, RIA 1281. (ISP 5444; RIA 1281; ATCC 19284, 25501; CBS 276.66, 643.69; DSM 40444; IFO 13089, 16615; JCM 4338, 4520; NCIMB 10078). Ex: fresh cow manure. (Medium 205, 37°C, F-1) (1359, 1364)

Ac-1876 <-- RIA, RIA 1434. (ISP 5579; RIA 1434; ATCC 23385; CBS 180.71, 774.72; DSM 40579; IFO 13473; JCM 4841; NCIMB 10070). Received as: *Streptomyces thermonitrificans*. Synonym: *Streptomyces thermonitrificans* Desai and Dhala 1967 Type. Ex: soil, India, Bombay. (Medium 207, 28°C, F-1) (1360, 1364)

***Streptomyces thioluteus*** (Okami 1952) Witt and Stackebrandt 1991

Ac-935 <-- Konev Y.E. VNITIAF, LIA 0277. Received as: *Streptoverticillium thioluteum*. Synonym: *Streptoverticillium thioluteum* (Okami 1952) Baldacci et al. 1966. Ex: soil. (Medium 190, 28°C, F-1, C-1)

Ac-1914 Type <-- RIA, RIA 1302. (ISP 5027; RIA 1302; ATCC 12310; CBS 642.72; DSM 40027; IFO 13341, 3364; JCM 4087, 4844). Synonym: *Streptoverticillium thioluteum* (Okami 1952) Baldacci et al. 1966 Type. Ex: soil, Japan, Mitaka City near Tokyo. (Medium 190, 28°C, F-1) (1358, 1360, 1364, 2731)

***Streptomyces toxytricini*** (Preobrazhenskaya and Sveshnikova 1957) Pridham et al. 1958

Ac-1279 Type <-- INA, INA 13887. (ISP 5178; RIA 1093; INA 13887; ATCC 19813; CBS 566.68; DSM 40178; IFO 12823; JCM 4421; NCIMB 9847). Ex: soil. (Medium 191, 28°C, F-1, C-1) (1356, 1364)

***Streptomyces tubercidicus*** Nakamura 1961

Ac-1073 Type <-- RIA, RIA 1282. (ISP 5261; RIA 1282; ATCC 25502; CBS 644.69; IFO 13090; DSM 40261; JCM 4054, 4558; IMET 43517). Ex: soil, Japan. (Medium 205, 28°C, F-1, C-1) (430, 1359, 1364)

***Streptomyces umbrinus*** (Sveshnikova 1957) Pridham et al. 1958

Ac-1747 Type <-- RIA, RIA 1283. (ISP 5278; INA 1703/53; RIA 1283; ATCC 19929, 25503; CBS 645.69; DSM 40278; IFO 13091; JCM 4521; NRRL B-2572). Ex: soil. (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces variabilis*** (Preobrazhenskaya et al. 1957) Pridham et al. 1958

Ac-1854 Type <-- INA, INA 5557. (ISP 5179; INA 5557; RIA 1095; ATCC 19815, 19930; CBS 568.68; DSM 40179; IFO 12825; JCM 4422). Ex: soil in hot climate. (Medium 205, 28°C, F-1) (1356, 1364)

***Streptomyces variegatus*** Sveshnikova and Timuk 1986

Ac-846 Type <-- Sveshnikova M.A. INA, INA T-511. (INA T-511; ATCC 43696; DSM 41464; IFO 15462; JCM 6930). Ex: soil, Turkmenistan. (Medium 205, 28°C, F-1) (736, 810, 1364)

***Streptomyces varsoviensis*** Kurylowicz and Woznicka 1967

Ac-1000 Type <-- RIA, RIA 1285. (ISP 5346; RIA 1285; ATCC 14631, 25505; CBS 357.64; DSM 40346; IFO 13093; JCM 4303, 4523; IMET 43351; NCIMB 9522). Ex: soil, Poland. (Medium 190, 28°C, F-1, C-1) (533, 1359, 1364)

***Streptomyces vastus*** Szabo and Marton 1958

Ac-1871 Type <-- INA, ISP 5309. (ISP 5309; RIA 1286; ATCC 25506; CBS 290.60, 648.69; DSM 40309; IFO 13094; JCM 4524). (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces venezuelae*** Ehrlich et al. 1948

Ac-505 <-- INMI, VKM A-505 <-- Krassilnikov N.A., INMI 8231. (RIA 130, 741; ATCC 10595; CBS 369.49; DSM 40634; IPV 877; NCIMB 8231, 9008; NRRL B-902; PSA 135). Ex: compost soil. (Medium 209, 28°C, F-1, C-1) (1361)

Ac-589 Type <-- RIA, RIA 1288. (ISP 5230; RIA 70, 1288; ATCC 10712, 25508; CBS 650.69; DSM 40230; IFO 12595, 13096; IMET 41356; JCM 4526; NRRL 2277). Ex: soil of tropical zone. (Medium 209, 28°C, F-1, C-1) (1359, 1364)

***Streptomyces vinaceusdrappus*** Pridham et al. 1958

Ac-1902 Type <-- RIA, RIA 1291. (ISP 5470; RIA 1291; ATCC 25511; CBS 653.69; DSM 40470; IFO 13099; JCM 4529; NCIMB 12980; NRRL 2363). (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces violaceochromogenes*** (Ryabova and Preobrazhenskaya 1957) Pridham 1970

Ac-581 Type <-- INMI, VKM A-581 <-- RIA, RIA 1292. (ISP 5181; RIA 1292; INA 425; ATCC 19932, 25512; DSM 40181; IFO 13100; JCM 4530). Synonym: "*Actinomyces violaceus chromogenes*" Krassilnikov 1949. Ex: soil, USSR, region with hot and dry climate. (Medium 205, 28°C, F-1, C-1) (34, 1359, 1364)

***Streptomyces violaceolatus*** (Krassilnikov et al. 1965) Pridham 1970

Ac-582 Type <-- INMI, VKM A-582 <-- RIA, RIA 1293. (ISP 5438; RIA 1293; ATCC 19847, 25513; CBS 655.69; DSM 40438; IFO 13101; JCM 4531). Synonym: "*Actinomyces violaceolatus*" Krassilnikov et al. 1965 Type. Ex: soil, Russia, Moscow. (Medium 13, 28°C, F-1, C-1) (17, 1359, 1364)

***Streptomyces violaceorectus*** (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958

Ac-584 Type <-- INMI, VKM A-584 <-- RIA, RIA 1294. (ISP 5279; RIA 1294; INA 506; ATCC 25514; CBS 656.69; IFO 13102; JCM 4532; DSM 40279). Ex: soil, USSR. (Medium 212, 28°C, F-1, C-1) (34, 644, 1359)

***Streptomyces violaceoruber*** (Waksman and Curtis 1916) Pridham 1970

Ac-508 <-- INMI, VKM A-508 <-- Krassilnikov N.A., INMI 31-23. (ISP 5425; VKM Ac-1710; RIA 1226; ATCC 19835, 25446; CBS 675.69; DSM 40425; IFO 13034, 14889; JCM 4469; NRRL B-12353). Former name: "*Streptomyces cyanocolor*" (Krassilnikov et al. 1965) Pridham 1970, "*Actinomyces cyanocolor*" Krassilnikov et al. 1965, "*Actinomyces violaceoruber*" Krassilnikov 1970. Ex: soil, USSR. (Medium 209, 28°C, F-1) (17, 1359, 1364)

Ac-509 <-- INMI, VKM A-509 <-- Krassilnikov N.A., INMI 1112-7. (ISP 5426; VKM Ac-1711; RIA 1227; ATCC 19836, 25447; CBS 674.69; DSM 40426; IFO 13035; JCM 4470; NRRL B-12354). Former name: "*Actinomyces violaceoruber*" Krassilnikov 1970, "*Streptomyces cyanogenus*" (Krassilnikov et al. 1965) Pridham 1970, "*Actinomyces cyanogenus*" Krassilnikov et al. 1965. Ex: soil, Russia, Moscow Region. (Medium 209, 28°C, F-1) (17, 1359, 1364)

Ac-726 Type <-- RIA, RIA 1096. (ISP 5049; RIA 1096; ATCC 14980, 19816; CBS 569.68; IFO 12826; DSM 40049; JCM 4423; IMRU 3030). (Medium 209, 28°C, F-1, C-1) (1356, 1364)

Ac-1312 <-- Gerrettson-Cornell L. Australia, B-72. Ex: soil, rhizosphere of *Casuarina glauca* Sieb ex Spreng, Australia, Sidney. (Medium 209, 28°C, F-1)

***Streptomyces violaceorubidus*** Terekhova 1986

Ac-1292 Type <-- INA, INA 770. (INA 770; ATCC 43697; DSM 41478; IFO 15463; JCM 6931; NRRL B-16381). (Medium 207, 28°C, F-1, C-1) (810, 1364)

***Streptomyces violaceus*** (Rossi Doria 1891) Waksman 1953 emend. Lanoot et al. 2002

Ac-510 Type <-- INMI, VKM A-510 <-- Krassilnikov N.A., INMI 1. (ISP 5082; VKM Ac-977; RIA 656, 1295; ATCC 15888, 25515; CBS 657.69; IFO 13103; DSM 40082; JCM 4533; IMET 43085). Ex: chestnut soil, Zavolzhje, Russia. (Medium 212, 28°C, F-1, C-1) (1359, 1361, 1364)

Ac-511 <-- INMI, VKM A-511 <-- Krassilnikov N.A., INMI 719. Synonym: "*Actinomyces violaceus*" Krassilnikov 1970. Ex: soil, Armenia. (Medium 212, 28°C, F-1) (16, 1361)

Ac-512 <-- INMI, VKM A-512 <-- Krassilnikov N.A., INMI 829. Former name: "*Streptomyces violaceus*" subsp. "*confinus*" (Artamonova and Krassilnikov 1960) Pridham 1970, "*Actinomyces violaceus*" subsp. "*confinus*" Artamonova and Krassilnikov 1960. Ex: soil, chernozem, Lugansk Region, Ukraine. (Medium 212, 28°C, F-1) (16, 1364)

Ac-525 <-- INMI, VKM A-525 <-- Krassilnikov N.A., INMI 2525. Former name: "*Streptomyces violaceus* subsp. *vicinus*" (Artamonova and Krassilnikov 1960) Pridham 1970, "*Actinomyces violaceus*" subsp. "*vicinus*" Artamonova and Krassilnikov 1960. Ex: soil, chernozem, Moldova. (Medium 212, 28°C, F-1) (16, 1364)

Ac-532 <-- INMI, VKM A-532 <-- Krassilnikov N.A., INMI 1205. (ISP 5209; RIA 708, 1310; ATCC 15892; CBS 650.72; DSM 40209; IFO 13349; JCM 4237, 4851; NRRL B-2867). Synonym: "*Streptomyces violatus*" (Artamonova and Krassilnikov 1960) Pridham 1970 Type, "*Actinomyces violatus*" Artamonova and Krassilnikov 1960 Type. Ex: soil, chernozem, Russia, Kursk Region. (Medium 205, 28°C, F-1) (16, 1360, 1363, 1364)

***Streptomyces violaceusniger*** (Waksman and Curtis 1916) Pridham et al. 1958

Ac-583 Type <-- INMI, VKM A-583 <-- RIA, RIA 1420. (ISP 5563; RIA 1420; ATCC 27477; CBS 760.72; DSM 40563; IFO 13459; JCM 4850; LMG 19336; NRRL B-1476). (Medium 212, 28°C, F-1, C-1) (644, 1360, 1364, 3020)

***Streptomyces violarius*** (Artamonova and Krassilnikov 1960) Pridham 1970

Ac-528 Type <-- INMI, VKM A-528 <-- Krassilnikov N.A., INMI 1212. (ISP 5205; RIA 1296; ATCC 15891, 25516; CBS 658.69; DSM 40205; IFO 13104; JCM 4534). Synonym: "*Actinomyces violarius*" Artamonova and Krassilnikov 1960 Type. Ex: soil, unirrigated chernozem, Russia, Kursk Region. (Medium 212, 28°C, F-1, C-1) (16, 1359, 1361, 1363)

***Streptomyces violascens*** (Preobrazhenskaya and Sveshnikova 1957) Pridham et al. 1958

Ac-1275 Type <-- RIA, RIA 1138. (ISP 5183; RIA 1138; ATCC 23968; IFO 12920; DSM 40183; NCIMB 9820; IMET 42061; JCM 4424). (Medium 209, 28°C, F-1, C-1) (1354, 1364)

Ac-1313 <-- Gerrettson-Cornell L., B-34. Ex: soil, rhizosphere of *Casuarina glauca* Sieb ex Spreng, Australia, Sidney. (Medium 209, 28°C, F-1, C-1)

Ac-1314 <-- Gerrettson-Cornell L., G-14. Ex: soil, rhizosphere of *Casuarina cunninghamiana* Miq, Australia, Sidney. (Medium 209, 28°C, F-1, C-1)

***Streptomyces violens*** (Kalakoutsii and Krassilnikov 1960) Goodfellow et al. 1987

Ac-653 Type <-- INMI, VKM A-653 <-- RIA, RIA 565. (ISP 5597; VKM Ac-586; RIA 565, 1447; ATCC 15898; CBS 451.65, 787.72; DSM 40597; IFO 12557, 13486; JCM 3072, 4852). Received as: *Chainia violens* Kalakoutsii and Krassilnikov 1960 Type. Ex: soil, Armenia. (Medium 209, 28°C, F-1, C-1) (10, 911, 1030, 1360, 1364)

***Streptomyces virens*** Gauze and Sveshnikova 1986

Ac-833 Type <-- Sveshnikova M.A., INA 3831. (INA 3831; DSM 41465; IFO 15901; JCM 9095). Ex: soil. (Medium 209, 28°C, F-1) (706, 810, 1364)

***Streptomyces virginiae*** Grundy et al. 1952

Ac-1218 Type <-- RIA, RIA 1097. (ISP 5094; RIA 1097; ATCC 19817; CBS 291.60, 570.68; IFO 3729, 12827; DSM 40094; JCM 4425; NRRL B-1446). Ex: soil, USA, Virginia. (Medium 191, 28°C, F-1, C-1) (1356)

***Streptomyces viridiviolaceus*** (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958

Ac-587 Type <-- INMI, VKM A-587 <-- RIA, RIA 1320. (ISP 5280; RIA 1320; INA 5276/56; ATCC 27478; CBS 660.72; JCM 4855; DSM 40280; IFO 13359). Ex: soil, USSR, region with hot and dry climate. (Medium 212, 28°C, F-1) (34, 1360, 1364)

***Streptomyces viridobrunneus*** (ex Krassilnikov 1970) Terekhova 1986

Ac-556 <-- INMI, VKM A-556 <-- Krassilnikov N.A., INMI 9D. Synonym: "*Actinomyces viridobrunneus*" Krassilnikov 1970. Ex: soil, Georgia. (Medium 209, 28°C, F-1, C-1) (1361, 1364)

Ac-559 Type <-- INMI, VKM A-559 <-- Krassilnikov N.A. INMI, 300. (ATCC 43698; DSM 41466; IFO 15902; JCM 9096). Synonym: "*Actinomyces viridobrunneus*" Krassilnikov 1970. Ex: soil, Georgia. (Medium 209, 28°C, F-1, C-1) (810, 1361, 1364)

***Streptomyces viridochromogenes*** (Krainsky 1914) Waksman and Henrici 1948

Ac-629 Type <-- INMI, VKM A-629 <-- RIA, RIA 1308. (ISP 5110; RIA 1308; ATCC 14920; CBS 648.72; DSM 40110; IFO 13347, 3113; JCM 4265, 4856; NCIMB 9597; NRRL B-1511). (Medium 205, 28°C, F-1, C-1) (1360, 1364)

***Streptomyces viridodiastaticus*** (Baldacci et al. 1955) Pridham et al. 1958

Ac-1749 Type <-- RIA, RIA 1298. (ISP 5249; RIA 1298; ATCC 25518; CBS 660.69; DSM 40249; IFO 13106; JCM 4536). Ex: soil. (Medium 205, 28°C, F-1) (1359, 1364)

***Streptomyces viridosporus*** Pridham et al. 1958

Ac-618 Type <-- INMI, VKM A-618 <-- RIA. (ISP 5243; VKM Ac-1769; RIA 1314; ATCC 27479; CBS 654.72; DSM 40243; IFO 13353; JCM 4859; NCIMB 9824; NRRL 2414). (Medium 209, 28°C, F-1, C-1) (644, 1360, 1364)

***Streptomyces wedmorensis*** (ex Milard and Burr 1926) Preobrazhenskaya 1986

Ac-1861 Type <-- INA, ATCC 21239. (ATCC 21239; DSM 41676; IFO 14062 JCM 4937; NRRL 3426). Synonym: "*Streptomyces wedmorensis*" Milard and Burr 1926. (Medium 205, 28°C, F-1) (810, 1364)

***Streptomyces xanthochromogenes*** Arishima et al. 1956

Ac-1071 Type <-- RIA, RIA 1098. (ISP 5111; RIA 1098; ATCC 19818; CBS 571.68; IFO 12828; DSM 2015,40111; JCM 4215, 4612; NRRL B-5410). Ex: soil, Japan. (Medium 215, 28°C, F-1, C-1) (1356, 1364)

***Streptomyces xanthocidicus*** Asahi et al. 1966

Ac-872 Type <-- RIA, RIA 1430. (ISP 5575; RIA 1430; ATCC 27480; CBS 770.72; DSM 40575; IFO 13469; JCM 4243, 4862; NRRL B-12504). Ex: soil, Japan. (Medium 209, 28°C, F-1, C-1) (749, 1360)

***Streptomyces xantholiticus*** (Konev and Tsyganov 1962) Pridham 1970

Ac-1872 Type <-- RIA, RIA 1315. (ISP 5244; RIA 1315; ATCC 27481; CBS 655.72; DSM 40244; IFO 13354; JCM 4282, 4863; NCIMB 9857; NRRL B-12153). Ex: soil, Ukraine, Kerch. (Medium 205, 28°C, F-1) (1360, 1364)

***Streptomyces xanthophaeus*** Lindenbein 1952

Ac-1205 Type <-- RIA, RIA 1099. (ISP 5134; RIA 1099; ATCC 19819; CBS 572.68; DSM 40134;

IFO 12829; JCM 4426; NRRL B-5414). Ex: soil. (Medium 205, 28°C, F-1, C-1) (786, 1356)

***Streptomyces yanii*** Liu et al. 2005

Ac-1269 <-- Kuznetsov V.D. INMI, K-4112 <-- JCM, JCM 3331. (RIA 1947; DSM 43887; IFO 14669; IMET 9750; JCM 3331). Received as: "*Microstreptospora cinerea*" Yan et al. 1987. Ex: mud from a sewage ditch, China. (Medium 8, 28°C, F-1, C-1) (1010, 1012)

***Streptomyces yerevanensis*** Goodfellow et al. 1986

Ac-1234 Type <-- Konev Y.E. VNITIAF, LIA 0441. (RIA 795; LIA 0441; ATCC 43727; DSM 43167; IFO 12517; IMET 43616; JCM 3047, 3065; LMG 19363; NCIMB 9589; NRRL B-16943). Received as: *Microellobosporia violacea*. Synonym: *Microellobosporia violacea* (Tsyganov et al. 1964) Pridham 1974 Type, "*Macrospora violacea*" Tsyganov et al. 1964 Type. Ex: soil, Armenia, Yerevan. (Medium 209, 28°C, F-1, C-1) (810, 910, 944)

***Streptomyces yokosukanensis*** Nakamura 1961

Ac-1713 Type <-- RIA, RIA 1300. (ISP 5224; RIA 1300; ATCC 25520; CBS 662.69; DSM 40224; IFO 13108; JCM 4137, 4559; NRRL B-3353). Ex: soil, Japan. (Medium 209, 28°C, F-1) (1359, 1364, 3359)

***Streptomyces zaomyceticus*** Hinuma 1954

Ac-1192 Type <-- RIA, RIA 1309. (ISP 5196; RIA 1309; ATCC 27482; CBS 649.72; IFO 13348; DSM 40196; JCM 4179, 4864; NCIMB 9850; NRRL B-2038). Ex: soil, Japan, Yamagata Prefecture. (Medium 212, 28°C, F-1) (1301, 1360, 1364)

***Streptosporangium album*** Nonomura and Ohara 1960

Ac-636 Type <-- INMI, VKM A-636 <-- RIA, RIA 764. (RIA 764; CBS 429.61; DSM 43023; IFO 13900; IMET 9014; JCM 3025; NRRL B-2635). Ex: acidic volcanic ash, Japan. (Medium 8, 28°C, F-1, C-1) (1357)

***Streptosporangium amethystogenes*** subsp. *amethystogenes* Nonomura and Ohara 1960

Ac-637 Type <-- INMI, VKM A-637 <-- RIA, RIA 767. (RIA 767; ATCC 33327; CBS 430.61; DSM 43179; IFO 13986; IMET 9011; JCM 3026; NRRL B-2639). Ex: alluvial paddy field soil, Japan. (Medium 8, 28°C, F-1, C-1) (1357)

***Streptosporangium carneum*** Mertz and Yao 1990

Ac-2007 Type <-- IFO, IFO 15562. (IFO 15562; JCM 9926; NRRL 18437). Ex: soil, Kenya. (Medium 214, 28°C, F-1) (3344)

***Streptosporangium fragile*** Shearer et al. 1983

Ac-1296 Type <-- DSM, DSM 43847. (ATCC 31519; DSM 43847; IFO 14311; JCM 6242; NRRL B-16437). Ex: soil, Sri Lanka. (Medium 205, F-1, C-1) (825, 1357)

***Streptosporangium longisporum*** Schafer 1969

Ac-696 Type <-- INMI, VKM A-696 <-- Kuznetsov V.D. INMI <-- KCC, KCC A-0106 <-- Henssen A., S-66. (ATCC 25212; CBS 184.69; DSM 43180; IFO 13141; JCM 3106; NRRL B-16783). Ex: soil, Turkey. (Medium 8, 28°C, F-1) (734, 1357)

***Streptosporangium nondiasticum*** Nonomura and Ohara 1969

Ac-1299 Type <-- DSM, DSM 43848. (ATCC 27101; CBS 800.70; DSM 43848; IFO 13990; JCM 3114; IMET 9018). Ex: soil. (Medium 8, F-1, C-1) (847, 1357)

***Streptosporangium roseum*** Couch 1955

Ac-638 <-- INMI, VKM A-638 <-- RIA, RIA 459. (RIA 459). Ex: maize field, USA, North Caroline.

- (Medium 205, 28°C, F-1, C-1) (1361)  
Ac-807 Type <-- Agre N.S. IBPM, 470 <-- RIA, RIA 470. (RIA 470; ATCC 12428; CBS 313.56; DSM 43021; IFO 3776; JCM 3005; NCIMB 10171; NRRL B-2505). Ex: maize field, Chapel Hill, USA, North Caroline. (Medium 205, 28°C, F-1, C-1) (1042, 1357)
- Streptosporangium* sp.**  
Ac-639 <-- INMI, VKM A-639 <-- RIA, RIA 898. (RIA 898; DSM 44095; IFO 13975; JCM 3184).  
Received as: "*Streptosporangium rubrum*" Potekhina 1965. Ex: forest soil, Tomsk region, USSR. (Medium 205, 28°C, F-1) (99, 1249, 1361)
- Streptosporangium* sp.**  
Ac-1995 <-- JCM, JCM 3291. (ATCC 31213; DSM 44094; JCM 3291). Received as:  
"*Streptosporangium cinnabarinum*". Ex: soil, Philippines. (Medium 214, 28°C, F-1)
- Streptosporangium vulgare* Nonomura and Ohara 1960**  
Ac-641 Type <-- INMI, VKM A-641 <-- RIA, RIA 765. (RIA 765; ATCC 33329; CBS 433,61; DSM 43802; IFO13985; JCM 3028; NRRL B-2633). Ex: paddy field soil, Japan. (Medium 209, 28°C, F-1) (1357)
- Subtercola boreus* Mannisto et al. 2000**  
Ac-2508 Type <-- DSM, DSM 13056. (ATCC BAA-168; CCUG 43135; CIP 106947 DSM 13056; JCM 11267). Ex: groundwater, Finland. (Medium 166, 24°C, F-1)
- Subtercola frigoramans* Mannisto et al. 2000**  
Ac-2509 Type <-- DSM, DSM 13057. (ATCC BAA-169; CCUG 43136; CIP 106948 DSM 13057; JCM 11268). Ex: groundwater, Finland. (Medium 166, 24°C, F-1)
- Sulfobacillus sibiricus* Melamud et al. 2006**  
B-2280 Type <-- Karavaiko G. I., INMI, N1 (N1, DSM 17363). Ex: Nezhdaninskoe ore deposit (East Siberia, Sakha (Yakutiya, Russia). (Medium 244, 55°C, F-3)
- Sulfobacillus thermosulfidooxidans* Golovacheva and Karavaiko 1991**  
B-1269 Type <-- Karavaiko G. I., INMI, AT-1 (AT-1, DSM 9293). Ex: ore, Nikolaev copper-zinc-pyrite deposit, Eastern Kazakhstan. (Medium 244, 50°C, F-3)
- Sulfobacillus thermotolerans* Bogdanova et al. 2006**  
B-2339 Type <-- <- Karavaiko G. I., INMI, Kr1 (Kr1, DSM 17362). Ex: sulfide ore, pulp of a gold-containing sulfide concentrate, Siberia. (Medium 244, 40° C, F-3)
- Tepidimicrobium ferriphilum* Slobodkin et al. 2006.**  
B-2348 Type <-- Slobodkin A.I., INMI, SB91 (SB91, DSM 16624). Ex: freshwater hot spring at Barguzin Valley, Buryatiya, Russia. (Medium 232, 50°C, F-2)
- Terrabacter tumescens* (Jensen 1934) Collins et al. 1989**  
Ac-1120 Type <-- INMI, VKM B-669 <-- NCIMB, NCIB 8914. (ATCC 6947; CCM 1655; CIP 102515; DSM 20308; IAM 12345; IFO 12960; JCM 1365; LMG 3818; NCIMB 8914; NCTC 4216; NRRL B-4012). Received as: *Arthrobacter tumescens*. Synonym: *Pimelobacter tumescens*(Jensen 1934) Suzuki and Komagata 1983 Type, *Arthrobacter tumescens* (Jensen 1934) Conn and Dimmick 1947 Type, "*Corynebacterium tumescens*" Jensen 1934. Ex: garden soil. (Medium 64, 26°C, F-1, C-1) (292, 689, 2572)
- Tetragenococcus halophilus* (Mees 1934) Collins et al. 1993**  
B-2208 <-- Gudima M.Ju. VKPM, B-7512. (NRRZ B-4244). Received as: *Pediococcus halophilus*. Synonym: *Pediococcus halophilus* Mees 1934. (Medium 75 with 10 % NaCl, 30°C, S-5)

***Tetrasphaera duodecadis*** (Lochhead 1958) Ishikawa and Yokota 2006

Ac-1108 Type <-- INMI, VKM B-656 <-- NCIMB, NCIB 9222. (ATCC 13347; CIP 102696; IAM 14868; IFO 12959; JCM 11564; LMG 17308; NCIMB 9222). Received as: *Arthrobacter duodecadis*. Synonym: *Arthrobacter duodecadis* Lochhead 1958 Type. Ex: soil, Canada. (Medium 64, 28°C, F-1, C-1) (292, 596, 656)

***Thermincola carboxydiphila*** Sokolova et al. 2005

B-2283 Type <-- Bonch-Osmolovskaya E. A., INMI, 2204 (2204; DSM 17129; JCM 13258). Ex: hot spring of the Baikal Lake region, Russia. (Medium 245, 55°C, S-2)

***Thermoactinomyces intermedius*** Kurup et al. 1981

Ac-1427 Type <-- Agre N.S. IBPM, T-323 <-- Kurup V.P., T-323. (ATCC 33205; DSM 43846; IFO 14230; JCM 3312; KCTC 9646; NRRL B-16979). Ex: filter of air-conditioner. (Medium 8, 55°C, F-1) (1357)

***Thermoactinomyces vulgaris*** Tsilinsky 1899

Ac-1195 Type <-- Agre N.S. IBPM, CUB 250 <-- Cross T., CUB 250. (ATCC 43649; CBS 505.77; CCM 3266; CUB 250; DSM 43016; IFO 13606; IMET 9711; JCM 3162; KCTC 9076; NCIMB 11364). (Medium 8, 55°C, F-1) (1357, 1412)

Ac-1305 <-- Agre N.S. IBPM, V-29 <-- Kokina V.J., V-29. Synonym: *Thermoactinomyces candidus* Kurup et al. 1975. (Medium 8, 55°C, F-1)

Ac-1306 <-- Agre N.S. IBPM, 548. Synonym: *Thermoactinomyces candidus* Kurup et al. 1975. Ex: cow manure, Latvia. (Medium 8, 55°C, F-1) (1412)

Ac-1307 <-- Agre N.S. IBPM, V-49 <-- Kokina V.J., V-49. Synonym: *Thermoactinomyces candidus* Kurup et al. 1975. Ex: cow manure, Latvia. (Medium 8, 55°C, F-1) (1411, 1412)

Ac-1308 <-- Agre N.S. IBPM, 199. Received as: "*Thermoactinomyces albus*" Orlovska 1969. (Medium 8, 55°C, F-1)

Ac-1361 <-- Agre N.S. IBPM, D-7 <-- Kokina V.J., D-7. Synonym: *Thermoactinomyces candidus* Kurup et al. 1975. Ex: cow manure, Latvia. (Medium 8, 55°C, F-1)

***Thermoanaerobacter brockii*** (Zeikus et al. 1983) Lee et al. 1993 emend. Cayol et al. 1995

B-1680 <-- Krivenko V.V. INMI, 1504. Received as: "*Thermoanaerobium brockii*". Synonym: *Thermoanaerobium brockii* Zeikus et al. 1983. Ex: cyanobacterial mat, geyser hydrothermal system, Uzon, Russia. (Medium 153, 60°C, S-5, S-2)

***Thermoanaerobacter* sp.**

B-1681 <-- Krivenko V.V. INMI, 1501/70. Received as: "*Thermoanaerobium olidum*" Krivenko et al. Ex: mud boiler, geyser hydrothermal system, Uzon, Russia. (Medium 153, 70°C, S-5, S-2)

***Thermoanaerobacter* sp.**

B-1712 <-- Krivenko V.V. INMI, 803. Received as: "*Thermoanaerobium crenophilum*" Krivenko et al. Ex: mud of creek, geyser hydrothermal system, Uzon, Russia. (Medium 153, 60°C, S-5) (1121)

***Thermobifida fusca*** (McCarthy and Cross 1984) Zhang et al. 1998

Ac-1952 Type <-- IFO, IFO 14071. (ATCC 27730; BCRC 12532; CIP 105594; DSM 43792; IFO 14071; JCM 3263; NCIMB 11185; NRRL B-8184). Received as: "*Thermomonospora fusca*". Synonym: *Thermomonospora fusca* (ex Henssen 1957) McCarthy and Cross 1984 Type, "*Thermomonospora fusca*" Henssen 1957. (Medium 184, 45°C, F-1) (3340, 3341, 3348)

***Thermodesulfobacterium commune*** Zeikus et al. 1995

B-1767 Type <-- DSM, DSM 2178 <-- Zeikus J.G., YSRA-1. (DSM 2178; ATCC 33708). Ex: thermal mud, USA. (Medium 113, 70°C, S-2) (1045)

***Thermodesulfobacterium thermophilum*** (Rozanova and Khudyakova 1974) Rozanova and Pivovarova 1995

B-1128 Type <-- Rozanova E.P. INMI, 7. (DSM 1276). Received as: *Desulfovibrio thermophilus*.  
Synonym: *Desulfovibrio thermophilus* Rozanova and Khudyakova 1974 Type,  
*Thermodesulfobacterium mobile* (Rozanova and Khudyakova 1974) Rozanova and Pivovarova 1991 Type. Ex: stratal water of petroleum pool, Apsheron peninsula, Caspian Sea, depth 3291 m, Azerbaijan. (Medium 113, 65°C, S-2) (1221)

***Thermoflavimicrobium dichotomicum*** (Krassilnikov and Agre 1964) Yoon et al. 2005

Ac-1237 <-- Agre N.S. IBPM, 127. (BCRC 12632; IFO 12466; JCM 3055). Received as: "*Actinobifida dichotomica*" Synonym: *Thermoactinomyces dichotomicus* (Krassilnikov and Agre 1964) Cross and Goodfellow 1973, "*Actinobifida dichotomica*" Krassilnikov and Agre 1964. Ex: soil. (Medium 8, 55°C, F-1) (1417)

Ac-1435 Type <-- Agre N.S. IBPM, 114. (ATCC 49854; DSM 44778; JCM 9688; KCTC 3667; NCIMB 10211). Received as: "*Actinobifida dichotomica*". Synonym: *Thermoactinomyces dichotomicus* (Krassilnikov and Agre 1964) Cross and Goodfellow 1973 Type, "*Actinobifida dichotomica*" Krassilnikov and Agre 1964. Ex: soil. (Medium 8, 55°C, F-1) (1357, 1417)

***Thermomonospora chromogena*** (ex Krassilnikov and Agre 1965) McCarty and Cross 1984

Ac-1432 <-- Agre N.S., INMI 1246. Received as: "*Actinobifida chromogena*" Krassilnikov and Agre 1965. (Medium 8, 55°C, F-1) (1357, 1417)

Ac-1465 <-- Agre N.S., INMI 942. Received as: "*Actinobifida chromogena*" Krassilnikov and Agre 1965. (Medium 8, 55°C, F-1) (1357, 1417)

Ac-2034 <-- Agre N.S., INMI 1453. Received as: "*Actinobifida chromogena*" Krassilnikov and Agre 1965. (Medium 8, 55°C, F-1) (1357, 1417)

***Thermomonospora curvata*** Henssen 1957

Ac-1241 <-- Agre N.S. IBPM, 916 <-- Henssen A., 916. (Medium 8, 55°C, F-1) (1357)

***Thermosinus carboxydivorans*** Sokolova et al. 2004

B-2281 Type <-- Bonch-Osmolovskaya E. A., INMI, Nor1 (Nor1; DSM 14886). Ex: a hot spring at Norris Basin, Yellowstone National Park, USA. (Medium 231, 60°C, F-2, S-2)

***Thermus*** sp.

B-1257 <-- INMI, VKM B-1257 <-- Loginova L.G. INMI, 71. Received as: "*Thermus flavus*" Saiki et al. 1972. Ex: thermal spring Kamchatka peninsula. (Medium 142, 65-70°C, F-1, S-5) (28)

***Thermus thermophilus*** (ex Oshima and Imahori 1974) Manaia et al. 1995

B-1605 Type <-- Garber M. Institute of Protein, HB 8 <-- Oshima T., HB 8 ("*Flavobacterium thermophilus*"). (ATCC 27634; DSM 579; JCM 10941; NBRC 101084; NCIMB 11244).  
Received as: *Thermus* sp. Synonym: "*Thermus thermophilus*" Oshima and Imahori 1974.  
Ex: thermal spring, Japan. (Medium 116, 60°C, F-1, S-5) (284, 293, 354)

***Thiorhodococcus mannitoliphagus*** Rabold et al. 2006

B-2393 Type <-- Gorlenko V.M., INMI, WS<sup>T</sup> (WS<sup>T</sup>; ATCC BAA-1228). Ex: a microbial mat, estuary, White Sea, Russia. (Medium 248, anaerobic in light, 30°C; F-1, S-2)

***Trichotomospora caesia*** Lian et al.

Ac-1272 <-- Kuznetsov V.D. INMI, K-4115 <-- JCM, JCM 6113. (DSM 43890; IFO 14562; JCM

6113). Ex: soil, China. (Medium 64, 28°C, F-1, C-1) (1011)

***Tsukamurella inchonensis*** Yassin et al. 1995

Ac-1228 <-- JCM, JCM 3226. (ATCC 25938; BCRC 13723; CCM 2630; DSM 43246, 43344; JCM 3226; NCIMB 13124; NCTC 10741; NRRL B-16960). Received as: *Rhodococcus aurantiacus*. (ex Tsukamura and Mizuno 1971) Tsukamura and Yano 1985 Type. Another names: *Tsukamurella paurometabola* (Steinhaus 1941) Collins et al. 1988, "*Gordona aurantiaca*" Tsukamura and Mizuno 1971. Ex: sputum of patient with lung disease. (Medium 183, 28°C, F-1, C-1) (743, 744)

***Variovorax paradoxus*** (Davis 1969) Willems et al. 1991

B-1329 Type <-- INMI, VKM B-1329 <-- Zavarzin G.A. INMI <-- ATCC, ATCC 17713. (ATCC 17713; CCUG 1777; CIP 103459; DSM 30034; IFO (now NBRC) 15149; JCM 20526; JCM 20895; LMG 1797). Received as: *Alcaligenes paradoxus*. Synonym: *Alcaligenes paradoxus* Davis 1969 Type. Ex: soil. (Medium 169, 28°C, F-1, C-1, F-3) (1366)

***Vibrio fluvialis*** Lee et al. 1981

B-1485 Type <-- INMI, VKM B-1485 <-- Kalina G.P. MIG, 16-11-12. (ATCC 35843; CAIM 593; CCUG 13622; CCUG 20252; CIP 103355; JCM 3752; LMG 7894; NBRC 103150; NCCB 81034; NCTC 11327). Received as: *Allomonas enterica*. Synonym: *Allomonas enterica* Kalina et al. 1984. Ex: water, Don river. (Medium 1, 30°C, F-1, F-3)

***Vibrio harveyi*** (Johnson and Shunk 1936) Baumann et al. 1981

B-1713 <-- Fish A.M. IBSO, 94. Synonym: *Lucibacterium harveyi* (Johnson and Shunk 1936) Hendrie et al. 1970, *Beneckeia harveyi* (Johnson and Shunk 1936) Reichelt and Baumann 1973. (Medium 43, 28°C, F-1)

B-1715 <-- Fish A.M. IBSO, 320. Synonym: *Lucibacterium harveyi* (Johnson and Shunk 1936) Hendrie et al. 1970, *Beneckeia harveyi* (Johnson and Shunk 1936) Reichelt and Baumann 1973. (Medium 43, 28°C, F-1)

***Virgibacillus pantothenicus*** (Proom and Knight 1950) Heyndrickx et al. 1998 emend. Heyndrickx et al. 1999

B-507 Type <-- INMI, VKM B-507 <-- NCTC, NCTC 8162 <-- Smith N.R. B21 <-- Proom H., CN 3028. (VKM B-1244; NCTC 8162; NCIB 8775; ATCC 14576; DSM 26; CCM 2049; NRS 1321; Smith N.R., 1321; Proom H., CN 3028). Received as: *Bacillus pantothenicus*. Synonym: *Bacillus pantothenicus* Proom and Knight 1950 Type. Ex: soil. (Medium 5, 30°C, F-1, S-4)

B-743 <-- INMI, VKM B-743 <-- CCM, CCM 874. (CCM 874; CN 5124). Received as: *Bacillus pantothenicus*. Synonym: *Bacillus pantothenicus* Proom and Knight 1950. (Medium 5, 30°C, F-1, S-4)

***Vulcanithermus mediatlanticus*** Miroshnichenko et al. 2003

B-2292 Type <-- Bonch-Osmolovskaya E. A., INMI, TR (TR; DSM 14978; JCM 11956). Ex: deep-sea hydrothermal chimney, Rainbow vent field, Mid-Atlantic Ridge (36°14'N). (Medium 246, 70°C, S-2)

***Weissella confusa*** (Holzapfel and Kandler 1969) Collins et al. 1994

B-1653 <-- Preobrazhenskaya M.E. IBMCh, LU-51. Received as: *Leuconostoc mesenteroides*. Synonym: *Lactobacillus confusus* (Holzapfel and Kandler 1969) Sharpe et al. 1972. Ex: rotting apples. (Medium 75, 37°C, F-1, S-5) (156)

**Weissella viridescens** (Niven and Evans 1957) Collins et al. 1994

B-1290 <-- INMI, VKM B-1290 <-- BTCC, N3949. Received as: *Lactobacillus viridescens*.

Synonym: *Lactobacillus viridescens* Niven and Evans 1957 Type, "*Lactobacillus viridescens* subsp. *minor*" Kandler and Albo-Elnaga 1966. (Medium 75, 30°C, F-1, S-5)

B-1528 Type <-- NPO "Vitamini", CCM 56 <-- Institute for Vaccines and Sera, Czechoslovakia, Prague <-- Evans J.B., S38A. (ATCC 12706; CCM 56; NCIB 8965; DSM 20410; NCDO 1655; CIP 102810; NCFB 1655; CCUG 21533; Evans J.B., S38A). Received as: *Lactobacillus viridescens*. Synonym: *Lactobacillus viridescens* Niven and Evans 1957 Type, "*Lactobacillus viridescens* subsp. *minor*" Kandler and Albo-Elnaga 1966. Ex: cured meat products. (Medium 75, 37°C, F-1, S-5) (939, 1366)

**Woodsholea maritima** Abraham et al. 2004

B-1512 Type <-- Andreev L.V. IBhM, CM 243 <-- Poindexter J.S. PHRI, CM 243. (LMG 21817).

Received as: *Caulobacter* sp. (Medium 43, 25°C, F-1, S-5, S-4)

**Xanthobacter agilis** Jenni and Aragno 1987

B-2105 Type <-- Doronina N.V. IBPM <-- DSM, DSM 3770 (ATCC 43847; DSM 3770; LMG 16336). Ex: from small lake. (Medium 134, 30°C, F-1)

**Xanthobacter aminoxidans** Doronina and Trotsenko 2003

B-2254 Type <-- Doronina N.V., IBPM, 14a (ATCC BAA-299; DSM 15009). Ex: activated sludge, Baikal sewage purification system at pulp and papermill. (Medium 134 without methanol, 28–30°C, F-1)

**Xanthobacter autotrophicus** (Baumgarten et al., 1974) Wiegel et al., 1978

B-2068 <-- Doronina N.V. IBPM, 25P. Synonym: "*Corynebacterium autotrophicum*" Baumgarten et al. 1974. Ex: from petrol contaminated soils, Poland. (Medium 134 with 0,01% yeast autolyzate, 29°C, F-1)

**Xanthobacter flavus** Malik and Claus 1979 emend. Reding et al. 1992

B-2106 Type <-- Doronina N.V. IBPM <-- DSM, DSM 338. (ATCC 35867; (formerly BCRC) 12271; CIP 105434; DSM 338; IFO (now NBRC) 14759; JCM 1204; LMG 7045; NCIMB 10071; NRRL B-14838). Ex: soil. (Medium 134, 30°C, F-1)

**Xanthobacter** sp.

B-2069 <-- Doronina N.V. IBPM, 32P. Received as: "*Xanthobacter methylooxidans*" Doronina et al. Type. Ex: petrol contaminated soils, Poland. (Medium 134 with 0,01% yeast autolyzate, 29°C, F-1)

**Xanthobacter viscosus** Doronina and Trotsenko 2003

B-2253 Type <-- Doronina N.V., IBPM, 7D (7D; ATCC BAA-298). Ex: activated sludge, Baikal sewage purification system at pulp and papermill. (Medium 134 without methylamine, 28–30°C, F-1)

**Xanthomonas arboricola** Vauterin et al. 1995

B-620 <-- INMI, VKM B-620 <-- CCM, CCM 1449. (CCM 1449). Received as: "*Xanthomonas juglandis*" (Pierce) Dowson 1939. (Medium 112, 28°C, F-1, C-1, F-3)

B-628 <-- INMI, VKM B-628 <-- CCM, CCM 899. (ATCC 19316; CCM 899; LMG 852; NCPPB 416; PDDCC 51). Received as: "*Xanthomonas pruni*" (Smith) Dowson 1939. Ex: *Prunus domestica*. (Medium 112, 28°C, F-1, C-1, F-3)

*Xanthomonas axonopodis* Starr and Garces 1950 emend. Vauterin *et al.* 1995

- B-608 <-- INMI, VKM B-608 <-- CCM, CCM 15. (CCM 15; NCPPB 241). Received as: "*Xanthomonas begoniae*" (Takimoto) Dowson 1939. Synonym: "*Xanthomonas axonoperis*" (sic) Starr and Garces 1950. (Medium 112, 28°C, F-1, C-1, F-3)
- B-615 <-- INMI, VKM B-615 <-- CCM, CCM 1443. (ATCC 11640; ICPB XD105; ITCC B39; LMG 692; NCPPB 481; PDDCC 315). Received as: "*Xanthomonas desmodii*" Patel 1949. Synonym: "*Xanthomonas axonoperis*" (sic) Starr and Garces 1950. Ex: *Desmodium diffusum*. (Medium 112, 28°C, F-1, C-1, F-3)
- B-616 <-- INMI, VKM B-616 <-- CCM, CCM 1444. (ATCC 11671; CCM 1444; NCPPB 577; ICPB XD106; Starr M.P., XD106). Received as: "*Xanthomonas desmodiigangeticii*" Patel and Moniz 1948. Synonym: "*Xanthomonas axonoperis*" (sic) Starr and Garces 1950. Ex: *Desmodium gangeticum*, India. (Medium 112, 28°C, F-1, C-1, F-3)
- B-621 <-- INMI, VKM B-621 <-- CCM, CCM 1452. (CCM 1452; LMG 956). Received as: "*Xanthomonas maculifoliigardeniae*" (Ark and Barret) Elrod and Braun 1947. Synonym: "*Xanthomonas axonoperis*" (sic) Starr and Garces 1950. Ex: *Gardenia* sp. (Medium 112, 28°C, F-1, C-1, F-3)

*Xanthomonas campestris* (Pammel 1895) Dowson 1939 emend. Vauterin *et al.* 1995

- B-545 <-- INMI, VKM B-545 <-- INMIA, 597. Received as: "*Xanthomonas vesicatoria*" (Doidge) Dowson 1939. Synonym: "*Xanthomonas campestris* var. *aberrans*" Knösel 1961, "*Xanthomonas campestris* var. *armoraceae*" (McCulloch) Starr and Burkholder 1942. (Medium 112, 28°C, F-1, C-1, F-3)
- B-570 <-- INMI, VKM B-570 <-- VNIISHM, 40. Synonym: "*Xanthomonas campestris* var. *aberrans*" Knösel 1961, "*Xanthomonas campestris* var. *armoraceae*" (McCulloch) Starr and Burkholder 1942. (Medium 112, 28°C, F-1, C-1, F-3)
- B-609 <-- INMI, VKM B-609 <-- CCM, CCM 1057. Received as: "*Xanthomonas begoniae*" (Takimoto) Dowson 1939. Synonym: "*Xanthomonas campestris* var. *aberrans*" Knösel 1961, "*Xanthomonas campestris* var. *armoraceae*" (McCulloch) Starr and Burkholder 1942. (Medium 112, 28°C, F-1, C-1, F-3)
- B-610 <-- INMI, VKM B-610 <-- CCM, CCM 22. (CCM 22; LMG 559; NCPPB 45; PDDCC 3). Synonym: "*Xanthomonas campestris* var. *aberrans*" Knösel 1961, "*Xanthomonas campestris* var. *armoraceae*" (McCulloch) Starr and Burkholder 1942. Ex: *Brassica napus*. (Medium 112, 28°C, F-1, C-1, F-3)
- B-611 <-- INMI, VKM B-611 <-- CCM, CCM 1069. (ATCC 13951; CCM 1069; DSM 1706; NCIB 11803; NCIMB 11803; IFO 13303; VTT E80120; NRRL B-1459). Synonym: "*Xanthomonas campestris* var. *aberrans*" Knösel 1961, "*Xanthomonas campestris* var. *armoraceae*" (McCulloch) Starr and Burkholder 1942. (Medium 112, 28°C, F-1, C-1, F-3)
- B-622 <-- INMI, VKM B-622 <-- CCM, CCM 1592. Received as: "*Xanthomonas malvacearum*" (Erwinia Smith) Dowson 1939. Synonym: "*Xanthomonas campestris* var. *aberrans*" Knösel 1961, "*Xanthomonas campestris* var. *armoraceae*" (McCulloch) Starr and Burkholder 1942. (Medium 112, 28°C, F-1, C-1, F-3)
- B-624 <-- INMI, VKM B-624 <-- CCM, CCM 452. (CCM 452; LMG 7433; NCPPB 151; PDDCC 219). Received as: "*Xanthomonas papavericola*" (Bryan and McWhorter). Synonym: "*Xanthomonas campestris* var. *aberrans*" Knösel 1961, "*Xanthomonas campestris* var. *armoraceae*" (McCulloch) Starr and Burkholder 1942. Ex: *Argemone* sp. (Medium 112, 28°C, F-1, C-1, F-3)
- B-627 <-- INMI, VKM B-627 <-- CCM, CCM 1070. Received as: "*Xanthomonas phaseoli*" (Smith) Dowson 1939. Synonym: "*Xanthomonas campestris* var. *aberrans*" Knösel 1961, "*Xanthomonas campestris* var. *armoraceae*" (McCulloch) Starr and Burkholder 1942. (Medium 112, 28°C, F-1, C-1, F-3)
- B-631 <-- INMI, VKM B-631 <-- CCM, CCM 1591. Received as: "*Xanthomonas vasculorum*" (Cobb) Dowson 1939. Synonym: "*Xanthomonas campestris* var. *aberrans*" Knösel 1961, "*Xanthomonas campestris* var. *armoraceae*" (McCulloch) Starr and Burkholder 1942. (Medium 112, 28°C, F-1, C-1, F-3)

B-633 <-- INMI, VKM B-633 <-- CCM, CCM 904. Received as: "*Xanthomonas vesicatoria*" (Doidge) Dowson 1939. Synonym: "*Xanthomonas campestris* var. *aberrans*" Knösel 1961, "*Xanthomonas campestris* var. *armoraceae*" (McCulloch) Starr and Burkholder 1942. (Medium 112, 28°C, F-1, C-1, F-3)

*Xanthomonas fragariae* Kennedy and King 1962 emend. van den Mooter and Swings 1990  
B-2165 Type <-- Nesmeyanova N.A. IBPM, DSM 3587 <-- DSM, DSM 3587. (ATCC 33239, DSM 3587, NCPPB 1469, PDDCC 5715). Ex: *Fragaria ananassa* . (Medium 5, 26°C, F-1)

*Xanthomonas hortorum* Vauterin et al. 1995  
B-625 <-- INMI, VKM B-625 <-- CCM, CCM 612. (CCM 612; LMG 7192; NCPPB 400; PDDCC 224). Received as: "*Xanthomonas pelargonii*" (Brown 1923) Starr and Burkholder 1942. Synonym: "*Xanthomonas campestris* var. *aberrans*" Knösel 1961, "*Xanthomonas campestris* var. *armoraceae*" (McCulloch) Starr and Burkholder 1942. Ex: *Pelargonium zonale*. (Medium 112, 28°C, F-1, C-1, F-3)

*Xanthomonas* sp.  
B-629 <-- INMI, VKM B-629 <-- CCM, CCM 1590. Received as: "*Xanthomonas rubrilineans*" (Lee et al.) Starr and Burkholder 1942. (Medium 112, 28°C, F-1, C-1, F-3)

*Xanthomonas vasicola* Vauterin et al. 1995  
B-618 <-- INMI, VKM B-618 <-- CCM, CCM 1447. (ATCC 13461; CCM 1447; DSM 3851; NCPPB 989; Dye D.W., YW1; Burkholder W.H., XH3). Received as: "*Xanthomonas holcicola*" (Elliott 1930) Starr and Burkholder 1942. Ex: *Holcus* sp. (Medium 112, 28°C, F-1, C-1, F-3)