

## Catalogue for Bacteria

NAIMCC-B-00001

*Acetobacter pasteurianus* NCIM 2432, NA, 30-37°C

NAIMCC-B-00002

*Achromobacter lacticum* NCIM 2884, NA, 30-37°C

NAIMCC-B-00003

*Acinetobacter baumannii* NBRAJG 73, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00004

*Acinetobacter baumannii* NBRAJG 76, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00005

*Acinetobacter baumannii* NBRAJG 80, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00006

*Acinetobacter baumannii* NBRAJG 81, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00007

*Acinetobacter baumannii* NBRAJG 82, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00008

*Acinetobacter baumannii* NBRAJG 86, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00009

*Acinetobacter baumannii* NBRAJG 87, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00010

*Acinetobacter baumannii* NBRAJG 88, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00011

*Acinetobacter baumannii* NBRAJG 89, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00012

*Acinetobacter baumannii* NBRAJG 96, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00013

*Acinetobacter baylyi* NBRAJG 74, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00014

*Acinetobacter calcoaceticus* NBRAJG 93, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00015

*Acinetobacter calcoaceticus* NBRAJG 75, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00526

*Acinetobacter calcoaceticus* LCR-85, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.

NAIMCC-B-00528

*Acinetobacter calcoaceticus* LCR-88, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.

NAIMCC-B-00529

*Acinetobacter calcoaceticus* LCR-89, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.

NAIMCC-B-00530

*Acinetobacter calcoaceticus* LCR-90, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.

NAIMCC-B-00531

*Acinetobacter calcoaceticus* LCR-91, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.

NAIMCC-B-00534

*Acinetobacter calcoaceticus* LCR-102, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.

NAIMCC-B-00535

*Acinetobacter calcoaceticus* LCR-100, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.

NAIMCC-B-00539

*Acinetobacter calcoaceticus* LCR-16, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.

NAIMCC-B-00544

*Acinetobacter haemolyticus* PHA-2, Refinery soil, Lata, Mathura, Uttar Pradesh, 2009, Bus well and Haas mineral medium, N.A, 28°C.

NAIMCC-B-00538

*Acinetobacter johnsonii* LCR-94, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.

NAIMCC-B-00016

*Acinetobacter junii* NBRAJG 72, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00017

*Acinetobacter junii* NBRAJG 72, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37°C

NAIMCC-B-00545

*Acinetobacter* sp. PHA-4, Refinery soil, Lata, Mathura, Uttar Pradesh, 2009, Bus well and Haas mineral medium, N.A, 28°C.

NAIMCC-B-00604

*Actinomyces bacterium* NBVH-41, Rhizospheric soil, A. K. Srivastava, Allahabad, Kanpur, Uttar Pradesh, 2009, Starch casein agar, 32°C.

## National Agriculturally Important Microbial Culture Collection

### Bacteria

NAIMCC-B-00018

*Actinoplanes campanulatus* (Couch) Stackebrandt & Kroppenstedt MTCC-1981, DSM43148, ATCC15348, CBS190.64, IFO12511, KCCA-0059, Soil, (67, 28° C), Type strain, Syst.Appl.Microbiol.9:110,1987.

NAIMCC-B-00019

*Actinoplanes deccanensis* Parenti *et al* MTCC-711, ATCC21983, DSM43806, JCM3247, KCCA0247, (39, 25°C), Type strain, Production of lipiarmycin, Int.J.Syst.Bact.30:244,1980. Patent strain.

NAIMCC-B-00020

*Actinoplanes ferrugineus* Palleroni 1979 MTCC-1418, DSM43807, ATCC29868, KCCA0277, Soil, (93, 28°C), Type strain, Int. J. Syst. Bact. 29:55, 1979.

NAIMCC-B-00021

*Actinoplanes brasiliensis* MTCC 4019, M. Yandigeri, 2008 (Streptomycetes Medium, 28°C Aerobic), Type strain produces antibiotic 672-A

NAIMCC-B-00607

*Actinoplanes deccanensis* MTCC-711, ATCC-21983, 2009, Oatmeal agar, 25°C, Production of lipiarmycin.

NAIMCC-B-00022

*Actinoplanes italicus* Beretta MTCC-1412, DSM43146, ATCC27366, KCCA0165, Soil, (133, 28°C), Type strain, Int. J. Syst. Bacteriol. 23:42, 1973

NAIMCC-B-00023

*Actinopolyspora halophila* Gochnauer *et al.* MTCC-263, NCIB11472, ATCC27976, JCM3278, KCCA-0278, DSM43834, IFO14106. Dairy salt, (31,37°C), Type strain, Can.J.Microbiol.21:1510,1975.

NAIMCC-B-00024

*Aeromonas hydrophila* S23, P Gunashekhran Madurai K University, King's B, 28°C,LGS

NAIMCC-B-00533

*Aeromonas hydrophilla* LCR-97, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.

NAIMCC-B-00025

*Agrobacterium rhizogenes* (Riker *et al*) Conn 1942 MTCC-2364, DSM30200, Stem gall, (179, 25°C), Aus.J.Boiol.Sci. 23:585, 1970, J.Gen.Microbiol.78:227-239,1973.ss

NAIMCC-B-00026

*Agrobacterium tumefaciens* (Smith and Townsend) Conn MTCC-431, ATCC15955, (3, 25°C), Extremely good crown gall producer.

NAIMCC-B-00027

*Agrobacterium tumefaciens* (Smith and Townsend) Conn MTCC-609, ATCC33970, Cherry gall, (54,30°C), Plasmid required for virulence, J.Bacteriol.123:255,1975, Plasmid 1:238, 1978

NAIMCC-B-00028

*Agrobacterium tumefaciens* (Smith and Townsend) Conn 1942 MTCC-2250, DSM30199, Ditch water (3, 30° C), J.Gen.Microbiol. 78:227, 1973.

NAIMCC-B-00502

*Agrobacterium* sp. J2s5, Rice field Soil, Ashok Kumar, Jaunpur, Uttar Pradesh, 2009, JNF, 37°C.

NAIMCC-B-00553

*Agrobacterium tumefaciens* Wheat cropping system, S. K. Gosal, Kapurthala, Punjab, 2009, Nitrogen free media, 28-30°C.

NAIMCC-B-00029

*Agrobacterium tumefaciens biovar 1* CABI-347322, *Helianthus annuus* (sunflower), C. Mayee, India, IMI 1977, NA, 25°C, Biological agent of Hazard Group 1 of Low Risk: Microbiological Assessment 6

NAIMCC-B-00893

*Agrobacterium vitis* SK-91, Soil, S. K. Gosal, Taran taran, Punjab, 2011, Jensen's Medium, 28-30°C

NAIMCC-B-00508

*Alcaligenes faecalis* Soil, R.S. Mishra, Kanjirampally, Kerala, 2009, NA, JFM, 28°C.

NAIMCC-B-00712

*Alcaligenes faecalis* NBJ-36, Rhizospheric soil (Jatropha plant), A. K. Saxena, 2008, NA, 37°C.

NAIMCC-B-00513

*Alteromonas macheodi* CIBA-AG-2, Brackishwater, T. C. Santiago, Kalpakam, Tamil Nadu, 2009, Zobell Marine Agar, 37°C.

NAIMCC-B-00030

*Aquitalea magnusonii* NBRAJG 83, Rajgir water samples, A.K. Saxena, NBAIM, 2008, NA, 30-37 °C

NAIMCC-B-00031

*Aquitalea magnusonii* NBRAJG 84, Rajgir water samples, A.K. Saxena, NBAIM, NBAIM, 2008, NA, 30-37 °C

NAIMCC-B-00032

*Aquitalea* sp. 83, AK Saxena, NBAIM 2008, NA, 30-37°C

NAIMCC-B-00540

*Arthobacter* sp. LCR-18, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.

NAIMCC-B-00033

*Arthobacter citreus*, NCIM 2320, NA, 30-37°C

NAIMCC-B-00034

*Arthobacter* sp. AS 18, AK Saxena, NBAIM, wheat rhizosphere soil 2007, Mau, NA, 28°C

NAIMCC-B-00572

*Arthobacter* sp. V-2 Johnius, Fish viscera, Imelda Joseph, Trivandrum, Kerala, 2009, N.A, Zobell marine agar, 30-35°C.

NAIMCC-B-00624

*Arthobacter* sp. NBAS-18, Wheat Rhizospheric soil, A. K. Saxena, Eastern U.P, 2008, N.A, 35°C.

NAIMCC-B-00896

*Azospirillum brasilense* SK-20, Soil, S. K. Gosal, Ludhiana, Punjab, 2011, Jensen's Medium, 28-30°C

NAIMCC-B-00035

*Azospirillum amazonense* Magalhaes *et al.* MTCC-2693, ATCC35119, DSM2787. *Digitaria decumbens* roots, (205, 30° C), Type strain, Int. J. Syst. Bacteriol. 34:355, 1984

NAIMCC-B-00036

*Azospirillum lipoferum* (Beijerincki 1925) Tarrand et al. Coconut Palm's surface sterilized roots, (181, 30° C), Nitrogen fixation under microaerobic condition, Canadian J. Microbiol. 24:967:980, 1978.

NAIMCC-B-00037

*Azospirillum lipoferum* (Beijerincki) Tarrand et al. MTCC-2694, ATCC29707, DSM1691. Wheat (206, 30° C), Type strain, Exopolysaccharides and cyst formation, Can. J. Microbiol. 24:967, 1978, . Int. J. Syst. Bacteriol. 29:79, 1979

NAIMCC-B-00038

*Azospirillum brasilense* Tarrand et al. MTCC-125, NCIB11860, ATCC29145. *Digitaria decumbens*, (3, 30° C), Type strain, Symbiont with grass in nitrogen fixation, Nitrate reduction

NAIMCC-B-00879

*Azospirillum brasilense* MZ-AS2, Rhizospheric Soil, S. S. Kanwar, Western Himalayas, 2011, N free Malate Medium (NFB), 37±1°C

NAIMCC-B-00880

*Azospirillum brasilense* WT-AS3, Rhizospheric Soil, S. S. Kanwar, Western Himalayas, 2011, N free Malate Medium (NFB), 37±1°C

NAIMCC-B-00580

*Azospirillum lipoferum* NB, Soil, K. K. Meena, Mau Nath Bhanjan, Uttar Pradesh, 2009, AMS, 30°C.

NAIMCC-B-00039

*Azotobacter beijerinckii* Lipman MTCC-123, NCIB8948, ATCC19360. Activated sludge, (16, 30° C), Type strain.

NAIMCC-B-00040

*Azotobacter beijerinckii* Lipman MTCC-2641, A. K. Paul, WDN-1, Soil, (56, 30° C), Nitrogen fixation, Production of poly-β-hydroxybutyrate as intracellular polymer and extracellular polysaccharide.

NAIMCC-B-00041

*Azotobacter chroococcum* Beijerinck MTCC-446, ATCC9043, DSM2286, NCIB11694, (56, 30° C), Type strain, Production of L-carnitine, Nitrogen fixation, Int. J. Syst. Bact. 30:225, 1980.

NAIMCC-B-00042

*Azotobacter vinelandii* Lipman MTCC-2459, M.V. Vermani and M.Y. Kamat, NCIB12096, ATCC478, ATCC8372, DSM2289, (197, 30° C), Production of extracellular polysaccharide, Biotech. Lett. 18:587, 1996, Lett. Appl. Microbiol. 24:379, 1997

NAIMCC-B-00043

*Azotobacter vinelandii* Lipman MTCC-2460, M.V. Vermani and M.Y. Kamat, (198, 30° C), Production of extracellular polysaccharide, Biotech. Lett. 17:917, 1995

NAIMCC-B-00044

*Azotobacter vinelandii* Lipman MTCC-124, NCIB12096, ATCC478, ATCC8372, DSM2289, (16, 30° C), Type strain, Nitrogen fixation.

NAIMCC-B-00045

*Azotobacter chroococcum* 1A, Wheat rhizospheric soil, AK Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

NAIMCC-B-00046

*Azotobacter chroococcum* NB5A, Wheat rhizospheric soil, AK Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

NAIMCC-B-00047

*Azotobacter chroococcum* NB8A, Wheat rhizospheric soil, AK Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

NAIMCC-B-00048

*Azotobacter chroococcum* NB9A, Wheat rhizospheric soil, AK Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

NAIMCC-B-00049

*Azotobacter chroococcum* NBCBD-1, Wheat rhizospheric soil, AK Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

NAIMCC-B-00050

*Azotobacter chroococcum* NBCBD-15, Wheat rhizospheric soil, AK Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

NAIMCC-B-00051

*Azotobacter chroococcum* NBDA1, Wheat rhizospheric soil, A.K. Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

NAIMCC-B-00052

*Azotobacter chroococcum* NBDA2, Wheat rhizospheric soil, A.K. Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

NAIMCC-B-00053

*Azotobacter chroococcum* NBDA3, Wheat rhizospheric soil, A.K. Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

NAIMCC-B-00054

*Azotobacter chroococcum* NBDA4, Wheat rhizospheric soil, A.K. Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

NAIMCC-B-00055

*Azotobacter chroococcum* NBDA5, Wheat rhizospheric soil, A.K. Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

NAIMCC-B-00056

*Azotobacter chroococcum* NBDA6, Wheat rhizospheric soil, A.K. Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

NAIMCC-B-00057

*Azotobacter chroococcum* NBDA7, Wheat rhizospheric soil, A.K. Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

NAIMCC-B-00058

*Azotobacter chroococcum* NBDA8, Wheat rhizospheric soil, A.K. Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

NAIMCC-B-00059

*Azotobacter chroococcum* NBDA9, Wheat rhizospheric soil, A.K. Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C

## National Agriculturally Important Microbial Culture Collection

### Bacteria

- NAIMCC-B-00060  
*Azotobacter chroococcum* M4, AK Saxena, NBAIM, Wheat rhizospheric soil 2008, N free Jensen's Agar, 30-37°C
- NAIMCC-B-00061  
*Azotobacter chroococcum* NBW5, Wheat rhizospheric soil, AK Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C
- NAIMCC-B-00062  
*Azotobacter chroococcum* NB10B, Wheat rhizospheric soil, AK Saxena, NBAIM, 2008, N free Jensen's Agar, 30-37°C
- NAIMCC-B-00895  
*Azotobacter chroococcum* SK-19, Soil, S. K. Gosal, Ludhiana, Punjab, 2011, Jensen's Medium, 28-30°C
- NAIMCC-B-00063  
*Azotobacter vinelandii*, NCIM 2927, N free Jensen's Medium, 30-37°C
- NAIMCC-B-00064  
*Bacillus* sp. CABI-352384, Midgut, whole body of *Bombyx mori* (silk worm), M.C. Deviah, Bangalore Karnataka India, IMI 1991, M.C. Deviah, No. 2, NA 28°C, LY (7% suc. Pep.)
- NAIMCC-B-00627  
*Bacillus aquimaris* NBAS-08, Wheat Rhizospheric soil, A. K. Saxena, Eastern U.P, 2008, N.A, 35°C.
- NAIMCC-B-00065  
*Bacillus firmus* NCIM 2264, NA, 30-37°C
- NAIMCC-B-00066  
*Bacillus freuderichii* NCIM 2463, NA, 30-37°C
- NAIMCC-B-00067  
*Bacillus megaterium* de Bary MTCC-2412, H.O. Aggarwal, Manikaran hot water spring, (3,55<sup>o</sup> C), Production of citric acid.
- NAIMCC-B-00068  
*Bacillus megaterium* de Bary 1884 MTCC-1684, NCTC9848, (3, 37<sup>o</sup> C), Heat resistance strain
- NAIMCC-B-00069  
*Bacillus alvei* CS Purushothaman, NA, 30-37 °C
- NAIMCC-B-00070  
*Bacillus aminovorans* NCIM 2456, NA, 30-37°C
- NAIMCC-B-00754  
*Bacillus amyloliquefaciens* SK-511, Wheat-Rice Rhizospheric soil, S. K. Gosal, Hoshiarpur, Punjab, 2010, Jensen's medium, 28-30°C.
- NAIMCC-B-00768  
*Bacillus amyloliquefaciens* GRB35, Rhizospheric soil (Ginger), M. Anandraj, Kozhikode, Kerela, 2009, NA, 28°C.
- NAIMCC-B-00772  
*Bacillus amyloliquefaciens* NBJ4, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00834  
*Bacillus amyloliquefaciens* P2, Rhizospheric soil of Soyabean, D. L. N Rao, Geelakhedi, Rajgarh, Madhya Pradesh, 2010, NA, 28°C.
- NAIMCC-B-00853  
*Bacillus amyloliquefaciens* BaMBTDO0709-101, Oyster Farm, K. K. Vijayan, Cochin, Kerala, 2009, NA & Zobell's Marine Agar, 32±2°C
- NAIMCC-B-00875  
*Bacillus amyloliquefaciens* BA-1, Rhizospheric Soil, M. Loganathan, Varanasi, U.P, 2011, NA, 32±2°C
- NAIMCC-B-00071  
*Bacillus amyloliquefaciens* NCIM2829, NA, 30-37°C
- NAIMCC-B-00072  
*Bacillus amyloliquefaciens* M Gunashekharan, Kasargod, NA, 30-37°C
- NAIMCC-B-00073  
*Bacillus aneurinolyticus* NCIM-2233, NA, 30-37°C
- NAIMCC-B-00074  
*Bacillus aquimaris* AS 8, Wheat rhizosphere soil, AK Saxena, NBAIM, 2008, Varanasi, NA, 28°C
- NAIMCC-B-00630  
*Bacillus aquimaris* NBAS-44, Wheat Rhizospheric soil, A. K. Saxena, Eastern U.P, 2009, N.A, 35°C.
- NAIMCC-B-00814  
*Bacillus arbutinivorans* NB6L, Indo Gangatic Plains-soil, Dilip K. Arora, Lucknow, U.P, 2010, NA 37°C.
- NAIMCC-B-00623  
*Bacillus arsenicus* NBAS-13, Wheat Rhizospheric soil, A. K. Saxena, Eastern U.P, 2009, N.A, 35°C.
- NAIMCC-B-00777  
*Bacillus aryabhatai* NBL3, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00781  
*Bacillus atrophaeus* NBC2, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00524  
*Bacillus benzoovorans* Pap.ViBa05, Papaya Plant, Pious Thomas, Bangalore, 2009, N.A, 30°C.
- NAIMCC-B-00511  
*Bacillus boronililus* CIBA-T7, Creek water, T. C. Santiago, Nellore, Andhra Pradesh, 2009, Zobell Marine Agar, 37°C.
- NAIMCC-B-00075  
*Bacillus brevis* ATCC- 8246, NA, 30-37°C
- NAIMCC-B-00076  
*Bacillus brevis* IC Bora, Assam, NA, 30-37°C
- NAIMCC-B-00077  
*Bacillus brevis* NCIM-2216, NA, 30-37°C
- NAIMCC-B-00078  
*Bacillus cereus* ATCC-10876, NA, 30-37°C
- NAIMCC-B-00079  
*Bacillus cereus* WGPSB-2, G Selvakumar Almora, VPKAS, Almora, NA, 30-37 °C
- NAIMCC-B-00558  
*Bacillus cereus* PW-6, Wheat Rhizospheric soil, Lata, IARI, New Delhi, 2009, N.A, 37°C.
- NAIMCC-B-00626  
*Bacillus cereus* NBAS-24, Wheat Rhizospheric soil, A. K. Saxena, Eastern U.P, 2009, N.A, 35°C.



- NAIMCC-B-00651  
*Bacillus cereus* C<sub>1</sub>H, N. K. Maiti, CIFA, Orrisa, 2009, NA, 37°C.
- NAIMCC-B-00653  
*Bacillus cereus* C<sub>5</sub>A, N. K. Maiti, CIFA, Orrisa, 2009, NA, 37°C.
- NAIMCC-B-00655  
*Bacillus cereus* C<sub>8</sub>K3, N. K. Maiti, CIFA, Orrisa, 2009, NA, 37°C.
- NAIMCC-B-00656  
*Bacillus cereus* C<sub>9</sub>E, N. K. Maiti, CIFA, Orrisa, 2009, NA, 37°C.
- NAIMCC-B-00671  
*Bacillus cereus* NBAS-4, A. K. Saxena, Gujarat, 2009, NA, 37°C.
- NAIMCC-B-00711  
*Bacillus cereus* NBH-9, Water sample (hot springs), A. K. Saxena, Manikaran, Himachal Pradesh, 2008, Thurmus medium, 45°C.
- NAIMCC-B-00740  
*Bacillus cereus* M5, Boat scrapings, C. S. Purushothaman, Mumbai, Maharashtra, 2010, NA, CMC agar, 30°C.
- NAIMCC-B-00743  
*Bacillus cereus* O3, Paddy straw, C. S. Purushothaman, Mumbai, Maharashtra, 2010, NA, CMC agar, 30°C.
- NAIMCC-B-00744  
*Bacillus cereus* O5, Paddy straw, C. S. Purushothaman, Mumbai, Maharashtra, 2010, NA, CMC agar, 30°C.
- NAIMCC-B-00761  
*Bacillus cereus* Rhizospheric soil, M. L. Jeeva, Vengodu, Kerala, 2010, NA, 28-32°C.
- NAIMCC-B-00810  
*Bacillus cereus* NB74L, Indo Gangatic Plains-soil, Dilip K. Arora, Lucknow, U.P, 2010, NA 37°C.
- NAIMCC-B-00842  
*Bacillus cereus* P64, Vermicompost, D. L. N Rao, Jatakhedra, Sehore, Madhya Pradesh, 2010, NA, 28°C.
- NAIMCC-B-00867  
*Bacillus cereus* NBRSANP-3, Rhizospheric Soil, A. K. Srivastava, Varanasi, U.P, 2011, NA, 30°C
- NAIMCC-B-00871  
*Bacillus cereus* NBRSANP-10, Rhizospheric Soil, A. K. Srivastava, Varanasi, U.P, 2011, NA, 30°C
- NAIMCC-B-00900  
*Bacillus cereus* SP-V1, Fish Viscera (*Sphyræna* sp.) Imelda Joseph, Thoothukudi, Tamil Nadu, 2011, NA With 2% NaCl & Zobell's Marine Agar, 30-35°C
- NAIMCC-B-00778  
*Bacillus cibi* NBB7, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00080  
*Bacillus circulans* 107, AK Saxena, NBAIM 2008, NA, 30-37°C
- NAIMCC-B-00081  
*Bacillus circulans* NCIM 2107, NA, 30-37°C
- NAIMCC-B-00082  
*Bacillus circulans* NCIM 5057, NA, 30-37°C
- NAIMCC-B-00755  
*Bacillus circulans* SK-512, Wheat-Rice Rhizospheric soil, S. K. Gosal, Ludhiana, Punjab, 2010, Jensen's medium, 28-30°C.
- NAIMCC-B-00899  
*Bacillus circulans* SP-G1, Fish Skin (*Raconda* sp.) Imelda Joseph, Kovalam, Chennai, Tamil Nadu, 2011, NA With 2% NaCl & Zobell's Marine Agar, 30-35°C
- NAIMCC-B-00902  
*Bacillus circulans* Ti-S3, Fish gill (*Sphyræna* sp.), Imelda Joseph, Thoothukudi, Tamil Nadu, 2011, NA With 2% NaCl & Zobell's Marine Agar, 30-35°C
- NAIMCC-B-00565  
*Bacillus clausii* PR-5, Wheat Rhizospheric soil, Lata, IARI, New Delhi, 2009, N.A, 37°C.
- NAIMCC-B-00808  
*Bacillus clausii* NB12L, Indo Gangatic Plains-soil, Dilip K. Arora, Lucknow, U.P, 2010, NA 37°C.
- NAIMCC-B-00083  
*Bacillus coagulans* NCIM 2030, NA, 30-37°C, L
- NAIMCC-B-00783  
*Bacillus endophyticus* NBA4, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00813  
*Bacillus farraginis* NB2L, Indo Gangatic Plains-soil, Dilip K. Arora, Lucknow, U.P, 2010, NA 37°C.
- NAIMCC-B-00084  
*Bacillus fusiformis* 7C, AK Saxena, NBAIM 2008, NA, 30-37°C
- NAIMCC-B-00520  
*Bacillus fusiformis* 3MW-ARB02, Plant, Pious Thomas, Bangalore, 2009, N.A, 30°C.
- NAIMCC-B-00085  
*Bacillus globigii* NCIM 2792, NA, 30-37°C
- NAIMCC-B-00086  
*Bacillus globisporus* CS Purushothaman, , NA, 30-37°C
- NAIMCC-B-00718  
*Bacillus halophilus* NB, Soil and water, A. K. Saxena, Pulikat lake, Tamil Nadu 2008, NA 5% NaCl, 28°C.
- NAIMCC-B-00620  
*Bacillus horikoshi* NBSL-26, Water sample, Sambhar lake, A. K. Saxena, Rajasthan, 2009, KB 10%NaCl, 35°C.
- NAIMCC-B-00621  
*Bacillus horikoshi* NBSL-27, Water sample, Sambhar lake, A. K. Saxena, Rajasthan, 2009, KB 10%NaCl, 35°C.
- NAIMCC-B-00789  
*Bacillus horneckiae* NBB13, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.

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### Bacteria

- NAIMCC-B-00815  
*Bacillus humi* NB79C, Indo Gangatic Plains-soil, Dilip K. Arora, Lucknow, U.P, 2010, NA 37°C.
- NAIMCC-B-00812  
*Bacillus koreensis* NB5L, Indo Gangatic Plains-soil, Dilip K. Arora, Lucknow, U.P, 2010, NA 37°C.
- NAIMCC-B-00087  
*Bacillus laevolacticus* NCIM 2464, NA, 30-37°C
- NAIMCC-B-00088  
*Bacillus larvae* CS Purushothaman, NA, 30-37°C
- NAIMCC-B-00089  
*Bacillus laterosporus* ATCC- 64, NA, 30-37°C
- NAIMCC-B-00090  
*Bacillus laterosporus* NCIM 2465, NA, 30-37°C
- NAIMCC-B-00091  
*Bacillus licheniformis* NCIM 2042, NA, 30-37°C
- NAIMCC-B-00092  
*Bacillus licheniformis* NCIM 2044, NA, 30-37°C
- NAIMCC-B-00093  
*Bacillus licheniformis* R. P. Pareek, BISR, NA, 30-37°C
- NAIMCC-B-00782  
*Bacillus licheniformis* NBE33, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00839  
*Bacillus licheniformis* P48, Rhizospheric soil of Wheat, D. L. N Rao, Bhopal, Madhya Pradesh, 2010, NA- 28°C.
- NAIMCC-B-00892  
*Bacillus licheniformis* SK-24, Soil, S. K. Gosal, Taran taran, Punjab, 2011, Jensen's Medium , 30-37°C
- NAIMCC-B-00878  
*Bacillus licheniformis* PT-A1, Rhizospheric Soil, S. S. Kanwar, Western Himalayas, 2011, Jensen's Medium, 30°C
- NAIMCC-B-00094  
*Bacillus macerans* NCIM-2131, NA, 30-37°C
- NAIMCC-B-00095  
*Bacillus macquarensis* NCIM 2474, NA, 30-37°C
- NAIMCC-B-00779  
*Bacillus malacitensis* NBO1, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00096  
*Bacillus marcescens* NCIM 5037, NA, 30-37°C
- NAIMCC-B-00575  
*Bacillus marisflavi* S3 Carangoides, Fish skin, Imelda Joseph, Mandapam, Tamil Nadu, 2009, N.A, Zobell marine agar, 30-35°C.
- NAIMCC-B-00097  
*Bacillus megaterium* ATCC-14581, NA, 30-37°C
- NAIMCC-B-00098  
*Bacillus megaterium* de Bary MTCC-453, ATCC14945 (3,30°C)
- NAIMCC-B-00099  
*Bacillus megaterium* de Bary MTCC-428, ATCC14581, CCM2007, DSM32, JCM2506, NCTC1032, NCIB9376 (3,30°C), Type strain, production of  $\beta$ -amylase, J. Gen. Microbiol. 34:271, 1964, J. Bacteriol. 1:302, 1916, Int. J. Syst. Bacteriol. 30: 257, 1980
- NAIMCC-B-00506  
*Bacillus megaterium* G1s3, Rice field Soil, Ashok Kumar, Ghazipur, Uttar Pradesh, 2009, JNF, 37°C.
- NAIMCC-B-00542  
*Bacillus megaterium* LCR-107, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.
- NAIMCC-B-00742  
*Bacillus megaterium* M9, Boat scrapings, C. S. Purushothaman, Mumbai, Maharashtra, 2010, NA, CMC agar, 30°C.
- NAIMCC-B-00843  
*Bacillus megaterium* P65, Rhizospheric soil of Soyabean, D. L. N Rao, Bhopal, Madhya Pradesh, 2010, NA, 28°C.
- NAIMCC-B-00847  
*Bacillus megaterium* P70, Rhizospheric soil of Chickpea, D. L. N Rao, Sehore, Madhya Pradesh, 2010, NA, 28°C.
- NAIMCC-B-00850  
*Bacillus megaterium* 249, Rhizospheric soil of Wheat, D. L. N Rao, Jabalpur, Madhya Pradesh, 2010 NA, 28°C.
- NAIMCC-B-00100  
*Bacillus mycoides* CS Purushothaman, NA, 30-37°C
- NAIMCC-B-00101  
*Bacillus oleronius* NB109, AK Saxena, NBAIM 2008, NA, 30-37°C
- NAIMCC-B-00102  
*Bacillus oleronius* NB127, AK Saxena, NBAIM 2008, NA, 30-37°C
- NAIMCC-B-00103  
*Bacillus oleronius* NBB2, AK Saxena, NBAIM 2008, NA, 30-37°C
- NAIMCC-B-00104  
*Bacillus pantothenicus* NCIM 2476, NA, 30-37°C
- NAIMCC-B-00809  
*Bacillus parabrevis* NB27L, Indo Gangatic Plains-soil, Dilip K. Arora, Lucknow, U.P, 2010, NA 37°C.
- NAIMCC-B-00105  
*Bacillus pasteurii* CS Purushothaman, NA, 30-37°C
- NAIMCC-B-00106  
*Bacillus pasteurii* NCIM 2477, NA, 30-37°C
- NAIMCC-B-00784  
*Bacillus psychrosoccharolyticus* NBA6, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00107  
*Bacillus pumilus* AS 3, Wheat rhizosphere soil, AK Saxena, NBAIM, Balia 2008, NA, 28°C
- NAIMCC-B-00521  
*Bacillus pumilus* 3MW-ARB03, Plant, Pious Thomas, Bangalore, 2009, N.A, 30°C.

- NAIMCC-B-00550  
*Bacillus pumilus* PW-1, Wheat Rhizospheric soil, Lata, IARI, New Delhi, 2009, N.A, 28°C.
- NAIMCC-B-00628  
*Bacillus pumilus* NBAS-03, Wheat Rhizospheric soil, A. K. Saxena, Eastern U.P, 2008, N.A, 35°C.
- NAIMCC-B-00629  
*Bacillus pumilus* NBAS-05, Wheat Rhizospheric soil, A. K. Saxena, Eastern U.P, 2009, N.A, 35°C.
- NAIMCC-B-00632  
*Bacillus pumilus* NBAS-121, Wheat Rhizospheric soil, A. K. Saxena, Eastern U.P, 2009, N.A, 35°C.
- NAIMCC-B-00657  
*Bacillus pumilus* 8DKS, M. N Saha, CRIJAF, Kolkata, 2009, NA, 37°C.
- NAIMCC-B-00678  
*Bacillus pumilus* NBAS-5, Soil, A. K. Saxena, Gujarat, 2009, NA, 37°C.
- NAIMCC-B-00722  
*Bacillus pumilus* NB14, Soil and water, A. K. Saxena, Pulikat lake, Tamil Nadu 2008, NA 5% NaCl, 28°C.
- NAIMCC-B-00737  
*Bacillus pumilus* M1, Boat scrapings, C. S. Purushothaman, Mumbai, Maharashtra, 2010, NA, CMC agar, 30°C.
- NAIMCC-B-00738  
*Bacillus pumilus* M2, Boat scrapings, C. S. Purushothaman, Mumbai, Maharashtra, 2010, NA, CMC agar, 30°C.
- NAIMCC-B-00739  
*Bacillus pumilus* M3, Boat scrapings, C. S. Purushothaman, Mumbai, Maharashtra, 2010, NA, CMC agar, 30°C.
- NAIMCC-B-00771  
*Bacillus pumilus* NBA1, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00776  
*Bacillus pumilus* NB7, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00849  
*Bacillus pumilus* P72, Vermicompost, D. L. N Rao, Jatakheada, Sehore, Madhya Pradesh, 2010, NA, 28°C.
- NAIMCC-B-00854  
*Bacillus pumilus* BpMBTDI0709-101, Mangrove, K. K. Vijayan, Cochin, Kerala, 2009, NA & Zobell's Marine Agar, 32±2°C
- NAIMCC-B-00786  
*Bacillus simplex* NBP1, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00108  
*Bacillus* sp. NB103, AK Saxena, NBAIM 2007, NA, 30-37°C
- NAIMCC-B-00109  
*Bacillus* sp. NB121, AK Saxena, NBAIM 2007, NA, 30-37°C
- NAIMCC-B-00110  
*Bacillus* sp. NBDS B1, D.K. Arora, NBAIM 2007, NA, 30-37°C
- NAIMCC-B-00675  
*Bacillus* sp. NBSL -1, Soil, A. K. Saxena, Rajasthan, NA, 37°C.
- NAIMCC-B-00724  
*Bacillus* sp. NB1, Soil and water, A. K. Saxena, Pulikat lake, Tamil Nadu 2008, NA 5% NaCl, 28°C.
- NAIMCC-B-00111  
*Bacillus sphaericus* ATCC- 4525, NA, 30-37°C
- NAIMCC-B-00112  
*Bacillus sphaericus* NCIM 2478, NA, 30-37°C
- NAIMCC-B-00113  
*Bacillus sporothermodurans* B4, AK Saxena, NBAIM 2008, NA, 30-37°C
- NAIMCC-B-00114  
*Bacillus stearothersophilus* CS Purushothaman, NA, 30-37 °C
- NAIMCC-B-00115  
*Bacillus sterothersophilus* NCIM 2235, NA, 30-37°C
- NAIMCC-B-00116  
*Bacillus subtilis* M Gunasekaran, Kasargod, NA, 30-37°C
- NAIMCC-B-00117  
*Bacillus subtilis* AK Saxena, NBAIM, NA, 30-37°C
- NAIMCC-B-00118  
*Bacillus subtilis* M Gunasekaran, Kasargod, NA, 30-37°C
- NAIMCC-B-00119  
*Bacillus subtilis* NCIM 2192, NA, 30-37°C
- NAIMCC-B-00120  
*Bacillus subtilis* NCIM 2236, NA, 30-37°C
- NAIMCC-B-00514  
*Bacillus subtilis* CIBA-AT-6, Creek water, T. C. Santiago, Kakinada, Andhra Pradesh, 2009, N.A, 37°C.
- NAIMCC-B-00522  
*Bacillus subtilis* 3MW-ARB04, Plant, Pious Thomas, Bangalore, 2009, N.A, 30°C.
- NAIMCC-B-00548  
*Bacillus subtilis* PHA-58, Manali Refinery soil, Lata, Chennai, 2009, Bus well and Haas mineral medium, N.A, 28°C.
- NAIMCC-B-00562  
*Bacillus subtilis* PR-2, Wheat Rhizospheric soil, Lata, IARI, New Delhi, 2009, N.A, 37°C.
- NAIMCC-B-00564  
*Bacillus subtilis* PR-4, Wheat Rhizospheric soil, Lata, IARI, New Delhi, 2009, N.A, 37°C.
- NAIMCC-B-00631  
*Bacillus subtilis* NBAS-47, Wheat Rhizospheric soil, A. K. Saxena, Eastern U.P, 2009, Trypticase Soya agar, 35°C.
- NAIMCC-B-00652  
*Bacillus subtilis* C<sub>2</sub>B, N. K. Maiti, CIFA, Orrisa, 2009, NA, 37°C.

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### Bacteria

- NAIMCC-B-00654  
*Bacillus subtilis* C<sub>8</sub>K, N. K. Maiti, CIFA, Orrisa, 2009, NA, 37°C.
- NAIMCC-B-00713  
*Bacillus subtilis* NBJ-55, Rhizospheric soil (Jatropha plant), A. K. Saxena, 2008, NA, 37°C.
- NAIMCC-B-00721  
*Bacillus subtilis* NB10, Soil and water, A. K. Saxena, Pulikat lake, Tamil Nadu 2008, NA 5% NaCl, 28°C.
- NAIMCC-B-00741  
*Bacillus subtilis* M6, Boat scrapings, C. S. Purushothaman, Mumbai, Maharashtra, 2010, NA, CMC agar, 30°C.
- NAIMCC-B-00750  
*Bacillus subtilis* SK-505, Wheat-Rice Rhizospheric soil, S. K. Gosal, Ferozpur, Punjab, 2010, Jensen's medium, 28-30°C.
- NAIMCC-B-00751  
*Bacillus subtilis* Rhizospheric soil (Amorphophallus), M. L. Jeeva, Kerela, 2009, NA 28-32°C.
- NAIMCC-B-00773  
*Bacillus subtilis* NBE32, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00780  
*Bacillus subtilis* NBI3, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00835  
*Bacillus subtilis* P4, Rhizospheric soil of Soyabean, D. L. N Rao, Geelakhedi, Rajgarh, Madhya Pradesh, 2010, NA, 28°C.
- NAIMCC-B-00836  
*Bacillus subtilis* P6, Rhizospheric soil of Soyabean, D. L. N Rao, Geelakhedi, Rajgarh, Madhya Pradesh, 2010, NA, 28°C.
- NAIMCC-B-00837  
*Bacillus subtilis* P10, Rhizospheric soil of Soyabean, D. L. N Rao, Geelakhedi, Rajgarh, Madhya Pradesh, 2010, NA, 28°C.
- NAIMCC-B-00840  
*Bacillus subtilis* P53, Vermicompost, D. L. N Rao, Jatakheda, Sehore, Madhya Pradesh, 2010 NA- 28°C.
- NAIMCC-B-00841  
*Bacillus subtilis* P63, Rhizospheric soil of Soyabean, D. L. N Rao, Geelakhedi, Rajgarh, Madhya Pradesh, 2010, NA, 28°C.
- NAIMCC-B-00844  
*Bacillus subtilis* P66, Vermicompost, D. L. N Rao, Jatakheda, Sehore, Madhya Pradesh, 2010, NA, 28°C.
- NAIMCC-B-00845  
*Bacillus subtilis* P67, Rhizospheric soil of Soyabean, D. L. N Rao, Geelakhedi, Rajgarh, Madhya Pradesh, 2010, NA, 28°C.
- NAIMCC-B-00846  
*Bacillus subtilis* P68, Vermicompost, D. L. N Rao, Jatakheda, Sehore, Madhya Pradesh, 2010, NA, 28°C.
- NAIMCC-B-00848  
*Bacillus subtilis* P71, Vermicompost, D. L. N Rao, Jatakheda, Sehore, Madhya Pradesh, 2010, NA, 28°C.
- NAIMCC-B-00855  
*Bacillus subtilis* BsMBTDI0809-103, Harbour, K. K. Vijayan, Cochin Kerala, 2009, NA & Zobell's Marine Agar, 32±2°C
- NAIMCC-B-00870  
*Bacillus subtilis* NBRSANP-7, Rhizospheric Soil, A. K. Srivastava, Mau, U.P, 2011, NA, 30°C
- NAIMCC-B-00872  
*Bacillus subtilis* NBRSANP-11, Rhizospheric Soil, A. K. Srivastava, Mau, U.P, 2011, NA, 30°C
- NAIMCC-B-00874  
*Bacillus subtilis* NBRSANP-13, Rhizospheric Soil, A. K. Srivastava, Kanpur, U.P, 2011, NA, 30°C
- NAIMCC-B-00876  
*Bacillus subtilis* BS-2, Rhizospheric Soil, M. Loganathan, Varanasi, U.P, 2011, NA, 32±2°C
- NAIMCC-B-00543  
*Bacillus subtilis* SRB254, Sorghum root, I. K Das., Sholapur, Maharashtra, 2009, Pseudomonas agar, N.A, 28°C,
- NAIMCC-B-00125  
*Bacillus thuringiensis* KR-1, G Selvakumar, VPKAS, Almora 2007, NA, 30-37°C
- NAIMCC-B-00126  
*Bacillus thuringiensis* NCIM 2977, NA, 30-37°C
- NAIMCC-B-00127  
*Bacillus thuringiensis* NCIM 5113, NA, 30-37°C
- NAIMCC-B-00128  
*Bacillus thuringiensis* P.S. Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00129  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00130  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00131  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00132  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00133  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00134  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00135  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C





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### Bacteria

NAIMCC-B-00172 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00190 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00173 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00191 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00174 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00192 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00175 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00193 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00176 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00194 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00177 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00195 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00178 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00196 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00179 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00197 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00180 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00198 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00181 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00199 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00182 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00200 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00183 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00201 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00184 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00202 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00185 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00203 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00186 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00204 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00187 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00205 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00188 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00206 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C
NAIMCC-B-00189 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C	NAIMCC-B-00207 <i>Bacillus thuringiensis</i> Vimla Devi, Hyderabad 2007, NA, 30-37°C

- NAIMCC-B-00208  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00209  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00210  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00211  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00212  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00213  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00214  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00215  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00216  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00217  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00218  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00219  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00220  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00221  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00222  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00223  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00224  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00225  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00226  
*Bacillus thuringiensis* Vimla Devi, Hyderabad 2007, NA, 30-37°C
- NAIMCC-B-00787  
*Bacillus thuringiensis* NBB6, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00873  
*Bacillus thuringiensis* NBRANP-13, Rhizospheric Soil, A. K. Srivastava, Kanpur, U.P, 2011, NA, 30°C
- NAIMCC-B-00121  
*Bacillus thuringiensis* sub sp. *aizawai* NCIM 5116, NA, 30-37°C
- NAIMCC-B-00122  
*Bacillus thuringiensis* sub sp. *entomocidus* NCIM 5111, NA, 30-37°C
- NAIMCC-B-00123  
*Bacillus thuringiensis* sub sp. *galleriae* NCIM 5112, NA, 30-37°C
- NAIMCC-B-00124  
*Bacillus thuringiensis* sub sp. *israelensis* NA, 30-37°C
- NAIMCC-B-00775  
*Bacillus velezensis* NBA3, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00903  
*Brachybacterium conglomeratum* G-2, Fish gill (*Polynemusa* sp.) Imelda Joseph, Calicut, Kerala, 2011, NA With 2% NaCl & Zobell's Marine Agar, 30-35°C
- NAIMCC-B-00227  
*Bradyrhizobium japonicum* NCIM 2002, CRYEMA, 28°C
- NAIMCC-B-00228  
*Bradyrhizobium japonicum* (strain 505), USDA-6, AK Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00229  
*Bradyrhizobium japonicum* RS-139, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00230  
*Bradyrhizobium japonicum* Tal-102, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00231  
*Bradyrhizobium* sp. (*Vigna*), MB-7, A.K. Saxena 2007, CRYEMA, 28°C
- NAIMCC-B-00232  
*Bradyrhizobium* sp. B-39, NBAIM 2007, CRYEMA, 28°C
- NAIMCC-B-00233  
*Bradyrhizobium* sp. (*Arachis*), GN-17, A.K. Saxena, NBAIM 2007, CRYEMA, 28°C
- NAIMCC-B-00234  
*Bradyrhizobium* sp. (*Arachis*), GN-25, A.K. Saxena, NBAIM 2007, CRYEMA, 28°C
- NAIMCC-B-00235  
*Bradyrhizobium* sp. (*Arachis*), IC 7001, NC92, ICRISAT, Hyderabad 2007, CRYEMA, 28°C
- NAIMCC-B-00236  
*Bradyrhizobium* sp. (*Arachis*), IC 7017, 5a/70, ICRISAT, Hyderabad 2007, CRYEMA, 28°C

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- NAIMCC-B-00237  
*Bradyrhizobium* sp. (*Arachis*), IC 7029, SMS 176, ICRISAT, Hyderabad 2007, CRYEMA, 28°C
- NAIMCC-B-00238  
*Bradyrhizobium* sp. (*Arachis*), IC 7113, RP 182-13, ICRISAT, Hyderabad 2007, CRYEMA, 28°C
- NAIMCC-B-00239  
*Bradyrhizobium* sp. (*Arachis*), IC 7114, Tal 1000, ICRISAT, Hyderabad 2007, CRYEMA, 28°C
- NAIMCC-B-00240  
*Bradyrhizobium* sp. (*Arachis*), NC-92, AK Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00241  
*Bradyrhizobium* sp. (*Arachis*), R GT-022, R.S. Raout, Parbhani, CRYEMA, 28°C
- NAIMCC-B-00242  
*Bradyrhizobium* sp. (*Cajanus*), IC-3043-2, AK Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00243  
*Bradyrhizobium* sp. (*Cajanus*), IC-3145, A.K. Saxena 2007, CRYEMA, 28°C
- NAIMCC-B-00244  
*Bradyrhizobium* sp. (*Cajanus*), IC-3154, AK Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00245  
*Bradyrhizobium* sp. (*Cajanus*), IC-3107, AK Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00246  
*Bradyrhizobium* sp. (*Cajanus*), IC-3109, AK Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00247  
*Bradyrhizobium* sp. (*Cajanus*), IC-3135, AK Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00248  
*Bradyrhizobium* sp. (*Cajanus*), IC-3145, AK Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00249  
*Bradyrhizobium* sp. (*Cajanus*), IC-3146, A.K. Saxena 2007, CRYEMA, 28°C
- NAIMCC-B-00250  
*Bradyrhizobium* sp. (*Cajanus*), IC 3100, 1 HP 100, ICRISAT, Hyderabad 2007, CRYEMA, 28°C
- NAIMCC-B-00251  
*Bradyrhizobium* sp. (*Cajanus*), IC 3195 (a), IHP 195, ICRISAT, Hyderabad 2007, CRYEMA, 28°C
- NAIMCC-B-00252  
*Bradyrhizobium* sp. (*Cajanus*), IC 4059, IHP 511, CC-1, ICRISAT, Hyderabad 2007, CRYEMA, 28°C
- NAIMCC-B-00253  
*Bradyrhizobium* sp. (*Cajanus*), IC 4060, IHP 512, F4, ICRISAT, Hyderabad 2007, CRYEMA, 28°C
- NAIMCC-B-00254  
*Bradyrhizobium* sp. (*Cajanus*), IC 4062, IHP 514, BDN A2, ICRISAT, Hyderabad 2007, CRYEMA, 28°C
- NAIMCC-B-00255  
*Bradyrhizobium* sp. (*Cajanus*), IC-3165, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00256  
*Bradyrhizobium* sp. (*Cajanus*), IC-3169, A.K. Saxena 2007, CRYEMA, 28°C
- NAIMCC-B-00257  
*Bradyrhizobium* sp. (*Cajanus*), IC-3471, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00258  
*Bradyrhizobium* sp. (*Cajanus*), IC-3525, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00259  
*Bradyrhizobium* sp. (Cowpea), CP-60, A.K. Saxena 2007, CRYEMA, 28°C
- NAIMCC-B-00260  
*Bradyrhizobium* sp. (Cowpea), CP-27, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00261  
*Bradyrhizobium* sp. (Cowpea), CP-34, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00262  
*Bradyrhizobium* sp. (*Vigna*), K-7, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00263  
*Bradyrhizobium* sp. (*Vigna*), Mung-I, A.K. Saxena 2007, CRYEMA, 28°C
- NAIMCC-B-00264  
*Bradyrhizobium* sp. (*Vigna*), 5F, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00265  
*Bradyrhizobium* sp. (*Vigna*), M065, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00266  
*Bradyrhizobium* sp. (*Vigna*), M-11, A.K. Saxena 2007, CRYEMA, 28°C
- NAIMCC-B-00267  
*Bradyrhizobium* sp. (*Vigna*), M-11-85, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00268  
*Bradyrhizobium* sp. (*Vigna*), M-2-97, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00745  
*Brevibacillus laterosporus* BPM3, Mud sample, Ratul Sakia, Nambor wild life sanctuary, Assam, 2010, NA, 30°C.
- NAIMCC-B-00519  
*Brevibacillus* sp. ARBG-1, Plant, Pious Thomas, Bangalore, 2009, N.A, 30°C.
- NAIMCC-B-00269  
*Brevibacterium divericatum* NCIM2634, NA, 30-37°C
- NAIMCC-B-00785  
*Brevibacterium frigoritolerans* NBC7, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.



- NAIMCC-B-00272  
*Brevibacterium roseum* NCIM 2270, NA, 30-37°C
- NAIMCC-B-00270  
*Brevibacterium saccharolyticus* NCIM 2238, NA, 30-37°C
- NAIMCC-B-00547  
*Brevibacterium* sp. PHA-44, Refinery soil, Lata, Mathura, Uttar Pradesh, 2009, Bus well and Haas mineral medium, N.A, 28°C.
- NAIMCC-B-00271  
*Brevibacterium vitanomas* NCIM 2330, NA, 30-37°C
- NAIMCC-B-00559  
*Brevundimonas diminuta* PW-7, Wheat Rhizospheric soil, Lata, IARI, New Delhi, 2009, N.A, 37°C.
- NAIMCC-B-00561  
*Brevundimonas diminuta* PR-1, Wheat rhizosphere soil, Lata, IARI, New Delhi, 2009, N.A, 37°C.
- NAIMCC-B-00566  
*Brevundimonas diminuta* PR-7, Wheat Rhizospheric soil, Lata, IARI, New Delhi, 2009, N.A, 37°C.
- NAIMCC-B-00560  
*Brevundimonas* sp. PW-9, Wheat Rhizospheric soil, Lata, IARI, New Delhi, 2009, N.A, 37°C.
- NAIMCC-B-00882  
*Burkholderia cepacia* PT-P2, Rhizospheric Soil, S. S. Kanwar, Western Himalayas, 2011, NA, 37±1°C
- NAIMCC-B-00273  
*Burkholderia cepacia* NBRAJG 98, A.K. Saxena, NBAIM, NBAIM, Rajgir water samples 2008, NA, King's B, 30-37°C
- NAIMCC-B-00274  
*Burkholderia* sp. PSB13, Rhizosphere soil of vanilla, Stephen Joseph, M.G. University, Kerala, Pikoaskaya's medium, 30-37°C
- NAIMCC-B-00767  
*Burkholderia* sp. GRB25, Rhizospheric soil (Ginger), M. Anandraj, Kozhikode, Kerala, 2009, NA 28°C.
- NAIMCC-B-00770  
*Burkholderia* sp. BRB28, Rhizospheric soil (Black Peper), M. Anandraj, Coorg, Karnataka, 2009, NA, 28°C.
- NAIMCC-B-00275  
*Candida albicans* NCIM 3557, CHROMagar, 28°C
- NAIMCC-B-00276  
*Cellulomonas flavigena* 7(1) WGUK, AR Algawadi, Dharwad, NA, 30-37°C
- NAIMCC-B-00748  
*Chryseobacterium indologenes* SK-503, Wheat-Rice Rhizospheric soil, S. K. Gosal, Ferozpur, Punjab, 2010, Jensen's medium, 28-30°C.
- NAIMCC-B-00597  
*Clavibacter michiganensis* CIBA-ACT-6, Creek water, T. C. Santiago, Yanam, Andhra Pradesh, 2009, AIA, 30°C.
- NAIMCC-B-00816  
*Clavibacter michiganensis* ACT1, Creek, T.C Santiago, Yanam, Andhra Pradesh, 2010, AIA 30°C, 48-96hrs.
- NAIMCC-B-00277  
*Couchioplanes caeruleus* subsp. *caeruleus* (Horan and Brodsky) Tamura *et al.* MTCC-709, ATCC33937, DSM1037, DSM43634, IMET9248, IFO13939, JCM3195, KCCA43634. Soil, (46,26°C), Type strain, Production of antifungal antibiotics, Antimicrob. Agent Chemother.7:457,1975, Patent strain
- NAIMCC-B-00284  
*Edwardsiella tarda* CIFA-1, N K Maiti, CIFA, BBSR, NA, 30-37 °C
- NAIMCC-B-00285  
*Edwardsiella tarda* CIFA-11, N K Maiti, CIFA, BBSR, NA, 30-37°C
- NAIMCC-B-00286  
*Edwardsiella tarda* CIFA-12, N K Maiti, CIFA, BBSR, NA, 30-37°C
- NAIMCC-B-00287  
*Edwardsiella tarda* CIFA-2, N K Maiti, CIFA, BBSR, NA, 30-37°C
- NAIMCC-B-00288  
*Edwardsiella tarda* CIFA-31, N K Maiti, CIFA, BBSR, NA, 30-37°C
- NAIMCC-B-00289  
*Edwardsiella tarda* CIFA-32, N K Maiti, CIFA, BBSR, NA, 30-37°C
- NAIMCC-B-00525  
*Enterobacter aerogenes* LCR-83, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.
- NAIMCC-B-00290  
*Enterobacter asburiae* G Selvakumar, VPKAS, Almora, NA, 30-37°C
- NAIMCC-B-00291  
*Enterobacter cloacae* CABI-347357, *Coffea arabica*, S. Subramaman 1967, India, NA, 30°C, LY, Hazard Group 2: Microbiological Assessment 2
- NAIMCC-B-00292  
*Enterobacter cloacae* CIBA 52RP2, T.C. Santiago, CIBA, Chennai, NA, 30-37 °C
- NAIMCC-B-00293  
*Enterobacter cloacae* CIBA 53RP2, T.C. Santiago, CIBA, Chennai, NA, 30-37 °C
- NAIMCC-B-00537  
*Enterobacter cloacae* LCR-82, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.
- NAIMCC-B-00294  
*Erwinia carotovora* CABI-347372, S. V. Hegde 1991, India, NA, 28°C, Biological agent of Hazard Group 1 of Low Risk: Microbiological Assessment 6
- NAIMCC-B-00295  
*Erwinia carotovora* sub sp. *Carotovora* CABI-347394, B. P. Chakravarti 1991, India, NA, 28°C, Biological agent of Hazard Group 1 of Low Risk: Microbiological Assessment 6
- NAIMCC-B-00296  
*Erwinia carotovora* subsp. *carotovora* CABI-347386, *Solanum melongena*, Mukherjee, India, IMI 1980, NCPPB 1982, NA, 25°C, Biological agent of Hazard Group 1 of Low Risk: Microbiological Assessment 6

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### Bacteria

- NAIMCC-B-00297  
*Erwinia tracheiphila* CABI-347433, isolated from pointed gourd, India
- NAIMCC-B-00282  
*Escherichia coli* BPEC B1, T.C. Santiago, CIBA, Chennai, NA, 30-37 °C
- NAIMCC-B-00278  
*Escherichia coli* B 2, T.C. Santiago, CIBA, Chennai, NA, 30-37 °C
- NAIMCC-B-00279  
*Escherichia coli* B 3, T.C. Santiago, CIBA, Chennai, NA, 30-37 °C
- NAIMCC-B-00280  
*Escherichia coli* B 4, T.C. Santiago, CIBA, Chennai, NA, 30-37 °C
- NAIMCC-B-00281  
*Escherichia coli* B5, T.C. Santiago, CIBA, Chennai, NA, 30-37 °C
- NAIMCC-B-00283  
*Escherichia coli* NCIM-5012, NA, 30-37°C
- NAIMCC-B-00298  
*Exiguobacterium acetylicum* strain 1P, G Selvakumar, VPKAS, Almora, NA, 30-37°C
- NAIMCC-B-00509  
*Flavobacterium* sp. 19RDCA2, Aquatic environment, Gaurav Rathore, Lucknow, Uttar Pradesh, 2009, Shieh Agar, Cytophaga Agar, 15-20°C.
- NAIMCC-B-00510  
*Flavobacterium* sp. 19RDCD1, Aquatic environment, Gaurav Rathore, Lucknow, Uttar Pradesh, 2009, Shieh Agar, Cytophaga Agar, 15-20°C.
- NAIMCC-B-00552  
*Flavobacterium anhuiense* Wheat cropping system, S. K. Gosal, Tarn Taran, Punjab, 2009, Nitrogen free media, 28-30°C.
- NAIMCC-B-00299  
*Flavobacterium devorans* NCIM 2581, NA, 30-37°C
- NAIMCC-B-00726  
*Frankia* sp. Hsli2, Root (*Hippophae salicifolia*), D. Don, A. K Mishra, Varanasi, Uttar Pradesh, 2010, BAP, 29°C.
- NAIMCC-B-00727  
*Frankia* sp. Hsli2, Root (*Hippophae salicifolia*), D. Don, A. K Mishra, Varanasi, Uttar Pradesh, 2010, BAP, 29°C.
- NAIMCC-B-00728  
*Frankia* sp. Hsli2, Root (*Hippophae salicifolia*, D. Don), A. K Mishra, Varanasi, Uttar Pradesh, 2010, BAP, 29°C.
- NAIMCC-B-00729  
*Frankia* sp. Hsli2, Root (*Hippophae salicifolia*, D. Don), A. K Mishra, Varanasi, Uttar Pradesh, 2010, BAP, 29°C.
- NAIMCC-B-00730  
*Frankia* sp. Hsli2, Root (*Hippophae salicifolia*, D. Don), A. K Mishra, Varanasi, Uttar Pradesh, 2010, BAP, 29°C.
- NAIMCC-B-00731  
*Frankia* sp. Hsli2, Root (*Hippophae salicifolia*, D. Don), A. K Mishra, Varanasi, Uttar Pradesh, 2010, BAP, 29°C.
- NAIMCC-B-00732  
*Frankia* sp. Hsli2, Root (*Hippophae salicifolia*, D. Don), A. K Mishra, Varanasi, Uttar Pradesh, 2010, BAP, 29°C.
- NAIMCC-B-00733  
*Frankia* sp. Hsli2, Root (*Hippophae salicifolia*, D. Don), A. K Mishra, Varanasi, Uttar Pradesh, 2010, BAP, 29°C.
- NAIMCC-B-00734  
*Frankia* sp. Hsli2, Root (*Hippophae salicifolia*, D. Don), A. K Mishra, Varanasi, Uttar Pradesh, 2010, BAP, 29°C.
- NAIMCC-B-00735  
*Frankia* sp. Hsli2, Root (*Hippophae salicifolia*, D. Don), A. K Mishra, Varanasi, Uttar Pradesh, 2010, BAP, 29°C.
- NAIMCC-B-00736  
*Frankia* sp. Hsli2, Root (*Hippophae salicifolia*, D. Don), A. K Mishra, Varanasi, Uttar Pradesh, 2010, BAP, 29°C.
- NAIMCC-B-00300  
*Geobacillus stearothermophilus*, ATCC 7953, NA, 37°C
- NAIMCC-B-00301  
*Gluconobacter* sp. PSB12, Rhizosphere soil of rubber, Stephen Joseph, M.G. University, Kerala, Pиковaskaya's medium, 30 °C
- NAIMCC-B-00578  
*Halobacillus dabahensis* CIBA-CST4, Brackish water, T. C. Santiago, Cochin, Kerala, 2009, Zobell marine agar, 37°C.
- NAIMCC-B-00517  
*Halobacillus* sp. CIBA-HS-1, Creek water, T. C. Santiago, Nagapattinam, Tamil Nadu, 2009, Zobell Marine Agar, 37°C.
- NAIMCC-B-00518  
*Halobacillus trueperi* CIBA-HS-3, Back water, T. C. Santiago, Vampar, Tamil Nadu, 2009, Zobell Marine Agar, 37°C.
- NAIMCC-B-00611  
*Halomanas* sp. NBSL-9, Sambhar lake water sample, A. K. Saxena, Rajasthan, 2009, N.A 15% NaCl, 30°C.
- NAIMCC-B-00576  
*Halomonas aquamarina* V2 Trigger, Fish viscera, Imelda Joseph, Trivandrum, Kerala, 2009, N.A, Zobell marine agar, 30-35°C.
- NAIMCC-B-00725  
*Halomonas aquamarina* NB34, Soil and water, A. K. Saxena, Pulikat lake, Tamil Nadu 2008, NA 5% NaCl, 28°C.
- NAIMCC-B-00714  
*Halomonas campisalis* NB37, Soil and water, Sambhar lake, A. K. Saxena, Rajasthan 2008, NA 2% NaCl, 37°C.
- NAIMCC-B-00574  
*Halomonas marina* strain DSM4741 S1Trigger, Fish skin, Imelda Joseph, Trivandrum, Kerala, 2009, N.A, Zobell marine agar, 30-35°C.
- NAIMCC-B-00716  
*Halomonas pacifica* NB51, Soil and water, A. K. Saxena, Pulikat lake, Tamil Nadu 2008, NA 5% NaCl, 28°C.

- NAIMCC-B-00612  
*Halomonas* sp. NBSL-10, Sambhar lake water sample, A. K. Saxena, Rajasthan, 2009, N.A 15%NaCl, 35°C.
- NAIMCC-B-00613  
*Halomonas* sp. NBSL-13, Sambhar lake water sample, A. K. Saxena, Rajasthan, 2009, N.A 15%NaCl, 35°C.
- NAIMCC-B-00614  
*Halomonas* sp. NBSL-14, Sambhar lake water sample, A. K. Saxena, Rajasthan, 2009, N.A 15%NaCl, 35°C.
- NAIMCC-B-00616  
*Halomonas* sp. NBSL-19, Sambhar lake water sample, A. K. Saxena, Rajasthan, 2009, JM 5%NaCl, 35°C.
- NAIMCC-B-00619  
*Halomonas* sp. NBSL-25, Water sample Sambhar lake, A. K. Saxena, Rajasthan, 2009, KB 10%NaCl, 35°C.
- NAIMCC-B-00677  
*Halomonas* sp. NBSL -25, Soil, A. K. Saxena, Rajasthan, 2009, NA, 37°C.
- NAIMCC-B-00676  
*Halomonas taechuunqu* NBSL -14, Soil, A. K. Saxena, Rajasthan, NA, 37°C.
- NAIMCC-B-00582  
*Hyphomicrobium facile* NBCS7, Soil, K. K. Meena, Mau Nath Bhanjan, Uttar Pradesh, 2009, AMS, 30°C.
- NAIMCC-B-00505  
*Klebsiella oxytoca* MK3s11, Wheat field Soil, Ashok Kumar, Jaunpur, Uttar Pradesh, 2009, JNF, 37°C.
- NAIMCC-B-00302  
*Klebsiella pneumoniae* NBRAJG 95, A.K. Saxena, NBAIM, NBAIM, Rajgir water samples 2008, NA, 30-37 °C
- NAIMCC-B-00516  
*Klebsiella pneumoniae* CIBA-AT-4, Creek water, T. C. Santiago, Nagapattinam, Tamil Nadu, 2009, N.A, Zobell Marine Agar, 37°C.
- NAIMCC-B-00303  
*Klebsiella* sp. D5, T.C. Santiago, CIBA, Chennai, NA, 30-37 °C
- NAIMCC-B-00501  
*Klebsiella* sp. VB-456, Wheat field soil, Ashok Kumar, Varanasi, Uttar Pradesh, 2009, JNF, 37°C
- NAIMCC-B-00503  
*Klebsiella* sp. M2s3, Rice field soil, Ashok Kumar, Mirzapur, Uttar Pradesh, 2009, JNF, 37°C
- NAIMCC-B-00304  
*Lactobacillus acidophilus* NCIM 2285, NA, 30-37°C
- NAIMCC-B-00305  
*Lactobacillus paracasei* NRC-1, Yak Milk Cheese (Churpi), Dinesh Kumar, NBAGR, Karnal L
- NAIMCC-B-00306  
*Lactobacillus paracasei* NRC-11, Yak Milk Cheese (Churpi), Dinesh Kumar, NBAGR, Karnal
- NAIMCC-B-00307  
*Lactobacillus paracasei* NRC-2, Yak Milk Cheese (Churpi), Dinesh Kumar, NBAGR, Karnal
- NAIMCC-B-00308  
*Lactobacillus paracasei* NRC-3, Yak Milk Cheese (Churpi), Dinesh Kumar, NBAGR, Karnal
- NAIMCC-B-00309  
*Lactobacillus paracasei* NRC-4, Yak Milk Cheese (Churpi), Dinesh Kumar, NBAGR, Karnal
- NAIMCC-B-00310  
*Lactobacillus paracasei* NRC-5, Yak Milk Cheese (Churpi), Dinesh Kumar, NBAGR, Karnal
- NAIMCC-B-00311  
*Lactobacillus paracasei* NRC-6, Yak Milk Cheese (Churpi), Dinesh Kumar, NBAGR, Karnal
- NAIMCC-B-00312  
*Lactobacillus paracasei* NRC-7, Yak Milk Cheese (Churpi), Dinesh Kumar, NBAGR, Karnal
- NAIMCC-B-00866  
*Lysinibacillus fusiformis* NBRSNPB-1, Rhizoshpreic soil, A. K. Srivastava, Kanpur, U.P, 2011, NA, 30°C
- NAIMCC-B-00868  
*Lysinibacillus fusiformis* NBRSANP-4, Rhizoshperic Soil, A. K. Srivastava, Lucknow, U.P, 2011, NA, 30°C
- NAIMCC-B-00869  
*Lysinibacillus fusiformis* NBRSANP-6, Rhizoshperic Soil, A. K. Srivastava, Varanasi, U.P, 2011, NA, 30°C
- NAIMCC-B-00549  
*Lysinibacillus* sp. PHA-15, Vadodara Refinery soil, Lata, Guwahati, 2009, Bus well and Haas mineral medium, N.A, 28°C.
- NAIMCC-B-00793  
*Lysobacter* sp. NBC5, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00610  
*Marinobacter alkaliphilus* NBSL-7, Sambhar lake water sample, A. K. Saxena, Rajasthan, 2009, N.A 15%NaCl, 30°C.
- NAIMCC-B-00313  
*Mesorhizobium ciceri* NBTaL-620, A.K. Saxena, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00583  
*Methylobacterium organophilum* NBCS8, Soil, K. K. Meena, Mau Nath Bhanjan, Uttar Pradesh, 2009, AMS, 30°C.
- NAIMCC-B-00805  
*Methylobacterium radiotolerance* NBCT23, Leaf Phyllosphere, K. K. Meena, Mau, U.P, 2010, AMS, 37°C.
- NAIMCC-B-00663  
*Methylobacterium suomiense* NBCT6, Leaf Phyllosphere, K. K. Meena, Mau, U.P, 2010, AMS 37°C.
- NAIMCC-B-00584  
*Methylobacterium extorques* NBCS12, Soil, K. K. Meena, Mau Nath Bhanjan, Uttar Pradesh, 2009, AMS, 30°C.
- NAIMCC-B-00586  
*Methylobacterium hispanicum* NBCS18, Soil, K. K. Meena, Mau Nath Bhanjan, Uttar Pradesh, 2009, AMS, 30°C.

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### Bacteria

- NAIMCC-B-00807  
*Methylobacterium hispanicum* NBCT25, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS, 37°C.
- NAIMCC-B-00664  
*Methylobacterium hispanicum* NBCT7, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS 37°C.
- NAIMCC-B-00658  
*Methylobacterium mesophylicum* NBCT1, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS 37°C.
- NAIMCC-B-00679  
*Methylobacterium mesophylicum* NBCT16, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS 37°C.
- NAIMCC-B-00660  
*Methylobacterium oryzae* NBCT3, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS 37°C.
- NAIMCC-B-00667  
*Methylobacterium oryzae* NBCT10, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS 37°C.
- NAIMCC-B-00673  
*Methylobacterium phyllosphaerae* NBCT14, Leaf Phyllosphere, K.K. Meena, Mau, U.P., AMS 37°C.
- NAIMCC-B-00799  
*Methylobacterium phyllosphaerae* NBCT17, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS, 37°C.
- NAIMCC-B-00670  
*Methylobacterium radiotolerance* NBCT12, Leaf Phyllosphere, K.K. Meena, Mau, U.P., AMS 37°C.
- NAIMCC-B-00579  
*Methylobacterium radiotolerans* NBCT51, Soil, K. K. Meena, Mau Nath Bhanjan, Uttar Pradesh, 2009, AMS, 30°C.
- NAIMCC-B-00669  
*Methylobacterium salsuginis* NBCT11, Leaf Phyllosphere, K.K. Meena, Mau, U.P., AMS 37°C.
- NAIMCC-B-00672  
*Methylobacterium salsuginis* NBCT13, Leaf Phyllosphere, K.K. Meena, Mau, U.P., AMS 37°C.
- NAIMCC-B-00804  
*Methylobacterium salsuginis* NBCT22, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS, 37°C.
- NAIMCC-B-00659  
*Methylobacterium sp.* NBCT2, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS 37°C.
- NAIMCC-B-00661  
*Methylobacterium sp.* NBCT4, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS 37°C.
- NAIMCC-B-00666  
*Methylobacterium sp.* NBCT9, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS 37°C.
- NAIMCC-B-00674  
*Methylobacterium sp.* NBCT15, Leaf Phyllosphere, K.K. Meena, Mau, U.P., AMS 37°C.
- NAIMCC-B-00800  
*Methylobacterium sp.* NBCT18, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS, 37°C.
- NAIMCC-B-00801  
*Methylobacterium sp.* NBCT19, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS, 37°C.
- NAIMCC-B-00802  
*Methylobacterium sp.* NBCT20, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS, 37°C.
- NAIMCC-B-00803  
*Methylobacterium sp.* NBCT21, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS, 37°C.
- NAIMCC-B-00662  
*Methylobacterium suomiense* NBCT5, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS 37°C.
- NAIMCC-B-00665  
*Methylobacterium suomiense* NBCT8, Leaf Phyllosphere, K. K. Meena, Mau, U.P., AMS 37°C, 11/04/2010
- NAIMCC-B-00806  
*Methylobacterium suomiense* NBCT24, Leaf Phyllosphere, K. K. Meena, Mau, U.P., 2010, AMS, 37°C.
- NAIMCC-B-00585  
*Methylophilus methylotrophus* NBCT15, Soil, K. K. Meena, Mau Nath Bhanjan, Uttar Pradesh, 2009, AMS, 30°C.
- NAIMCC-B-00581  
*Methylophilus methylotrophus* NBCT4, Soil, K. K. Meena, Mau Nath Bhanjan, Uttar Pradesh, 2009, AMS, 30°C.
- NAIMCC-B-00523  
*Methylophilus methylotrophus* Pap.ViBa1, Papaya Plant, Pious Thomas, Bangalore, 2009, N.A, 30°C.
- NAIMCC-B-00897  
*Methylophilus methylotrophus* SRG1, Fish gill (*Sardinella sp.*, Imelda Joseph, Kanyakumari, Tamil Nadu, 2011, NA With 2% NaCl & Zobell's Marine Agar, 30-35°C
- NAIMCC-B-00798  
*Methylophilus methylotrophus* NBD2, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00622  
*Methylophilus methylotrophus* NBSL-29, Water sample, Sambhar lake, A. K. Saxena, Rajasthan, 2009, KB 10%NaCl, 35°C.
- NAIMCC-B-00898  
*Methylophilus methylotrophus* KS-2, Fish Skin (*daysciaena sp.*) Imelda Joseph, Kovalam, Chennai, Tamil Nadu, 2011, NA With 2% NaCl & Zobell's Marine Agar, 30-35°C
- NAIMCC-B-00314  
*Methylophilus methylotrophus* S-131, Rajeev Kaushik, NBAIM, NA, 30-37°C
- NAIMCC-B-00720  
*Methylophilus methylotrophus* NB20(2), Soil and water, A. K. Saxena, Pulikat lake, Tamil Nadu 2008, NA 5% NaCl, 28°C.
- NAIMCC-B-00605  
*Methylophilus methylotrophus* MTCC-4152, Water sample, B. P. Kapadnis, Maharashtra, 2009, Streptomyces media (93), 30°C, Degradation of chitin.
- NAIMCC-B-00606  
*Methylophilus methylotrophus* MTCC-1052, Soil, M. Goodfellow, University of Newcastle, U. K, STP101, 2009, Starch Casein agar, 25°C. Production of rosaramycin



- NAIMCC-B-00315  
*Nocardia* sp. CABI-352503, Lumbricus terrestris: gut, E.K.Joy no. D11 & S.M.Reddy, Pakhal forest Warangal District A.P. India, IMI 1992, OA 28°C
- NAIMCC-B-00316  
*Nocardioopsis dassonvillei* (Brooq-Rousseau) Meyer MTCC-1102, ISP5464, ATCC23612, CB693.72, DSM 40465, IFO13392, RIA1353. (101, 25°C), Type strain
- NAIMCC-B-00568  
*Ochrobacterium anthropi* PR-10, Wheat Rhizospheric soil, Lata, IARI, New Delhi, 2009, N.A, 37°C.
- NAIMCC-B-00567  
*Ochrobacterium intermedium* PR-9, Wheat Rhizospheric soil, Lata, IARI, New Delhi, 2009, N.A, 37°C.
- NAIMCC-B-00615  
*Ochrobacterium* sp. NBSL-17, Sambhar lake water sample, A. K. Saxena, Rajasthan, 2009, JM 5%NaCl, 35°C.
- NAIMCC-B-00618  
*Ochrobacterium* sp. NBSL-23, Water sample Sambhar lake, A. K. Saxena, Rajasthan, 2009, JM 5%NaCl, 35°C.
- NAIMCC-B-00668  
*Ochrobacterium* sp. NBSL-16, A. K. Saxena, Sambhar Lake, Rajasthan, NA, 37°C.
- NAIMCC-B-00791  
*Ochrobacterium* sp. NBB20, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00317  
*Paenibacillus macquariensis* (Marshall and Ohye) Ash et al. MTCC-1269, DSM2, ATCC23464, NTCC10419, NCIB9934 Macquarie Island Soil, (3, 20°C), Type strain, Psychrotroph, slow growing, Int.J.Syst.Bact.30:225, 1980.
- NAIMCC-B-00710  
*Paenibacillus macerans* NBH-7, Water sample (hot springs), A. K. Saxena, Manikaran, Himachal Pradesh, 2008, Thurmus medium, 45°C.
- NAIMCC-B-00788  
*Paenibacillus pabuli* NBD10, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00891  
*Paenibacillus panacisola* SK-23, Soil, S. K. Gosal, Taran taran, Punjab, 2011, Jensen's Medium , 30-37°C
- NAIMCC-B-00318  
*Paenibacillus polymyxa* ATCC-43865, NA, 30-37°C
- NAIMCC-B-00749  
*Paenibacillus polymyxa* SK-504, Wheat-Rice Rhizospheric soil, S. K. Gosal, Ludhiana, Punjab, 2010, Jenson's medium, 28-30°C.
- NAIMCC-B-00864  
*Paenibacillus polymyxa* MRG4, Root Nodules, D. K. Maheshwari, Uttar Kashi, U.P, 2011, NA, 30-37°C
- NAIMCC-B-00865  
*Paenibacillus polymyxa* MRG8, Root Nodules, D. K. Maheshwari, Chamoli Garwal, U.P, 2011, NA, 30-37°C
- NAIMCC-B-00556  
*Paenibacillus qinsenqaqi* PW-3, Wheat Rhizospheric soil, Lata, IARI, New Delhi, 2009, N.A, 37°C.
- NAIMCC-B-00756  
*Paenibacillus* sp. SK-515, Wheat-Cotton Rhizospheric soil, S. K. Gosal, Gurdaspur, Punjab, 2010, Jenson's medium, 28-30°C.
- NAIMCC-B-00774  
*Paenibacillus xylanexedens* NBJ5, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00504  
*Pantoea agglomerans* V1s7, Rice field Soil, Ashok Kumar, Varanasi, Uttar Pradesh, 2009, JNF, 37°C.
- NAIMCC-B-00319  
*Pantoea dispersa* strain 1A, G Selvakumar, VPKAS, Almora, NA, 30-37°C
- NAIMCC-B-00797  
*Pasteurella pneumotropica* NBB18, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00320  
*Pediococcus cerevisiae* NCIM-2171, NA, 30-37°C
- NAIMCC-B-00321  
*Pseudomonas aeruginosa* NJ-101 Javed Musarrat AMU, King's B, 28°C
- NAIMCC-B-00746  
*Photorhabdus* sp. Larvae (*Heterorhabditis indica*), CICR, Nandini Gokte-Narkhedkar, Nagpur, Maharashtra, 2010, NA, 30°C.
- NAIMCC-B-00573  
*Planococcus maritimus* ACS-6, Fish skin, Imelda Joseph, Mumbai, Maharashtra, 2009, N.A, Zobell marine agar, 30-35°C.
- NAIMCC-B-00811  
*Pontibacillus* sp. NB71C, Indo Gangatic Plains-soil, Dilip K. Arora, Lucknow, U.P, 2010, NA 37°C.
- NAIMCC-B-00322  
*Proteus* sp. 2B, T.C. Santiago, CIBA, Chennai, NA, 30-37°C
- NAIMCC-B-00557  
*Providencia* sp. PW-4, Wheat Rhizospheric soil, Lata, IARI, New Delhi, 2009, N.A, 37°C.
- NAIMCC-B-00563  
*Providencia* sp. PR-3, Wheat Rhizospheric soil, Lata, IARI, New Delhi, 2009, N.A, 37°C.
- NAIMCC-B-00323  
*Pseudomonas aeruginosa* NCIM 2036, NA, 30-37°C
- NAIMCC-B-00324  
*Pseudomonas fluorescens* R. P. Pareek, BISR, Jaipur, King's B, 28°C
- NAIMCC-B-00325  
*Pseudomonas putida* NCIM 2650, King's B, 28°C
- NAIMCC-B-00326  
*Pseudomonas solanacearum* NCIM 5103, King's B, 28°C
- NAIMCC-B-00327  
*Pseudomonas* sp. Pankaj Mishra, King's B, 28°C

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### Bacteria

- NAIMCC-B-00328  
*Pseudomonas aeruginosa* NBRAJG 70, A.K. Saxena 2008, NBAIM, King's B, 30-37°C
- NAIMCC-B-00329  
*Pseudomonas aeruginosa* NBRAJG 77, A.K. Saxena 2008, NBAIM, King's B, 30-37°C
- NAIMCC-B-00330  
*Pseudomonas aeruginosa* NBRAJG 78, A.K. Saxena, NBAIM, King's B, 30-37°C
- NAIMCC-B-00331  
*Pseudomonas aeruginosa* NBRAJG 92, A.K. Saxena 2008, NBAIM, King's B, 30-37°C
- NAIMCC-B-00332  
*Pseudomonas aeruginosa* NCIM 5210, King's B, 28 °C
- NAIMCC-B-00333  
*Pseudomonas aeruginosa* R 11, P Gunashekhran, Madurai K University, King's B, 28°C
- NAIMCC-B-00334  
*Pseudomonas aeruginosa* R 13, P Gunashekhran Madurai K University, King's B, 28°C
- NAIMCC-B-00335  
*Pseudomonas aeruginosa* IC Bora, Assam, King's B, 28°C
- NAIMCC-B-00515  
*Pseudomonas aeruginosa* CBIA-AT-2, Creek water, T. C. Santiago, Ongole, Andhra Pradesh, 2009, N.A. Zobell Marine Agar, 37°C.
- NAIMCC-B-00765  
*Pseudomonas aeruginosa* BRB28, Rhizospheric soil (Black Peper), M. Anandraj, Coorg, Karnataka, 2009, NA, 28°C.
- NAIMCC-B-00856  
*Pseudomonas aeruginosa* PsaMBTDI0909-101, Mangrove, K. K. Vijayan, Cochin Kerala, 2009, NA & Zobell's Marine Agar, 37±2°C
- NAIMCC-B-00881  
*Pseudomonas aeruginosa* MZ-P4, Rhizospheric Soil, S. S. Kanwar, Western Himalayas, 2011, NA, 30±1°C
- NAIMCC-B-00894  
*Pseudomonas aeruginosa* SK-37, Soil, S. K. Gosal, Ludhiana, Punjab, 2011, NFA medium, 28-30°C
- NAIMCC-B-00507  
*Pseudomonas aeruginosa* BX5-5, Soil, Ashok Kumar, Buxar, Bihar, 2009, JNF, 37°C.
- NAIMCC-B-00336  
*Pseudomonas aisophila* NCIM-5094, King's B, 28°C
- NAIMCC-B-00337  
*Pseudomonas convexa*, NCIM-2175, King's B, 28°C
- NAIMCC-B-00338  
*Pseudomonas corrugata* CABI-347485a, Isolated from *Lycopersicon esculentum*, United Kingdom
- NAIMCC-B-00339  
*Pseudomonas desmolyticum* NCIM2112 (A), King's B, 28°C
- NAIMCC-B-00340  
*Pseudomonas flourescens* NCIM-2141, King's B, 28°C
- NAIMCC-B-00341  
*Pseudomonas fluorescens* AFG 2, Viswanathan Rasappa SBI Coimbatore, King's B, 28°C
- NAIMCC-B-00342  
*Pseudomonas fluorescens* SCEP 3, Viswanathan Rasappa SBI Coimbatore, King's B, 28°C
- NAIMCC-B-00343  
*Pseudomonas fluorescens* AFG 4, Viswanathan Rasappa SBI Coimbatore, King's B, 28°C
- NAIMCC-B-00344  
*Pseudomonas fluorescens* ARR 10, Viswanathan Rasappa SBI Coimbatore, King's B, 28°C
- NAIMCC-B-00345  
*Pseudomonas fluorescens* ARR IG, Viswanathan Rasappa SBI Coimbatore, King's B, 28°C
- NAIMCC-B-00346  
*Pseudomonas fluorescens* EP1, Viswanathan Rasappa SBI Coimbatore, King's B, 28°C
- NAIMCC-B-00347  
*Pseudomonas fluorescens* KKM2, Viswanathan Rasappa SBI Coimbatore
- NAIMCC-B-00348  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28 °C
- NAIMCC-B-00349  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00350  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00351  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00352  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00353  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00354  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00355  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00356  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00357  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00358  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C

- NAIMCC-B-00359  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00360  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00361  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00362  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00363  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00364  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00365  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00366  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00367  
*Pseudomonas fluorescens* Ratul Saikia, RRL Jorhat, King's B, 28°C
- NAIMCC-B-00368  
*Pseudomonas fluorescens* S 22,P Gunashekhran Madurai K University, King's B, 28°C
- NAIMCC-B-00369  
*Pseudomonas fluorescens* S16, P Gunashekhran Madurai K University, King's B, 28°C
- NAIMCC-B-00370  
*Pseudomonas fluorescens* SCEP 2,Viswanathan Rasappa SBI Coimbatore, King's B, 28°C
- NAIMCC-B-00371  
*Pseudomonas fluorescens* SCEP 5,Viswanathan Rasappa SBI Coimbatore, King's B, 28°C
- NAIMCC-B-00372  
*Pseudomonas fluorescens* VPT 4,Viswanathan Rasappa SBI Coimbatore, King's B, 28°C
- NAIMCC-B-00569  
*Pseudomonas fluorescens* ID-6-PF2, Soil, D. Girija, Idukki, Kerala, 2009, N.A, Kings B agar, 30°C.
- NAIMCC-B-00570  
*Pseudomonas fluorescens* ID-6-PF3, Soil, D. Girija, Idukki, Kerala, 2009, N.A, Kings B agar, 30°C.
- NAIMCC-B-00571  
*Pseudomonas fluorescens* ID-6-PF4, Soil, D. Girija, Idukki, Kerala, 2009, N.A, Kings B agar, 30°C.
- NAIMCC-B-00680  
*Pseudomonas fluorescens* PF-1, D. Girija, CPBMB, Kerela, 2009, NA, 37°C.
- NAIMCC-B-00681  
*Pseudomonas fluorescens* PF-2, D. Girija, CPBMB, Kerela, 2009, NA, 37°C.
- NAIMCC-B-00682  
*Pseudomonas fluorescens* PF-3, D. Girija, CPBMB, Kerela, 2009, NA, 37°C.
- NAIMCC-B-00683  
*Pseudomonas fluorescens* PF-4, D. Girija, CPBMB, Kerela, 2009, NA, 37°C.
- NAIMCC-B-00684  
*Pseudomonas fluorescens* PF-5, D. Girija, CPBMB, Kerela, 2009, NA, 37°C.
- NAIMCC-B-00685  
*Pseudomonas fluorescens* PF-6, D. Girija, CPBMB, Kerela, 2009, NA, 37°C.
- NAIMCC-B-00686  
*Pseudomonas fluorescens* PF-10, D. Girija, CPBMB, Kerela, 2009, NA, 37°C.
- NAIMCC-B-00687  
*Pseudomonas fluorescens* PF-11, D. Girija, CPBMB, Kerela, 2009, NA, 37°C.
- NAIMCC-B-00688  
*Pseudomonas fluorescens* PF-12, D. Girija, CPBMB, Kerela, 2009, NA, 37°C.
- NAIMCC-B-00689  
*Pseudomonas fluorescens* PF-13, D. Girija, CPBMB, Kerela, 2009, NA, 37°C.
- NAIMCC-B-00690  
*Pseudomonas fluorescens* PF-14, D. Girija, CPBMB, Kerela, 2009, NA, 37°C.
- NAIMCC-B-00762  
*Pseudomonas fluorescens* biovar 3(232) 57, Rhizospheric soil of Pigeon Pea, K. K Pal, Kutch and Sapedi, Gujarat, 2008, NA, 28-30°C.
- NAIMCC-B-00373  
*Pseudomonas fragi* NCIM-2391, King's B, 28°C
- NAIMCC-B-00650  
*Pseudomonas fragi* CSIIRH1, G. Selvakumar, VPKAS, Uttarakhand, 2009, NA, 37°C.
- NAIMCC-B-00794  
*Pseudomonas geniculata* NBG2, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00374  
*Pseudomonas gr.II sp* NCIM-5095, King's B, 28°C
- NAIMCC-B-00375  
*Pseudomonas hydrophila* NCIM-2203, King's B, 28°C
- NAIMCC-B-00376  
*Pseudomonas libensis* R 6,P Gunashekhran Madurai K University, King's B, 28°C
- NAIMCC-B-00377  
*Pseudomonas libensis* R 9,P Gunashekhran Madurai K University, King's B, 28°C
- NAIMCC-B-00378  
*Pseudomonas libensis* S1, P Gunashekhran Madurai K University, King's B, 28°C

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### Bacteria

- NAIMCC-B-00379  
*Pseudomonas libensis* S17, P Gunashekharan Madurai K University, King's B, 28°C
- NAIMCC-B-00380  
*Pseudomonas lurida* Pankaj Mishra, King's B, 28 °C
- NAIMCC-B-00381  
*Pseudomonas maltophilia* PK Sharma, CCSHAU, Hissar, King's B, 28°C
- NAIMCC-B-00382  
*Pseudomonas mendocina* NBAS 40, A.K. Saxena, 2008, NBAIM, wheat rhizosphere soil, Mau, NA, 28°C
- NAIMCC-B-00625  
*Pseudomonas mendocina* NBAS-40, Wheat Rhizospheric soil, A. K. Saxena, Eastern U.P, 2008, K.B, 35°C.
- NAIMCC-B-00700  
*Pseudomonas montelli* 97AN, Soil, Reeta Goel, Pant Nagar, Jharkhand, India, 2009, NA, 30°C.
- NAIMCC-B-00383  
*Pseudomonas morgani* NCIM 2040, NA, 30-37°C
- NAIMCC-B-00384  
*Pseudomonas oleovorans* NCIM-2867, King's B, 28°C
- NAIMCC-B-00385  
*Pseudomonas oleovorans* NCIM-2867, King's B, 28°C
- NAIMCC-B-00386  
*Pseudomonas plecoglossicida* R 19, P. Gunashekharan, Madurai K University, King's B, 28°C
- NAIMCC-B-00387  
*Pseudomonas plecoglossicida* R 2, P. Gunashekharan, Madurai K University, King's B, 28°C
- NAIMCC-B-00388  
*Pseudomonas plecoglossicida* R 20, P. Gunashekharan, Madurai K University, King's B, 28°C
- NAIMCC-B-00389  
*Pseudomonas plecoglossicida* R 21, P. Gunashekharan, Madurai K University, King's B, 28°C
- NAIMCC-B-00390  
*Pseudomonas plecoglossicida* R 24, P. Gunashekharan, Madurai K University, King's B, 28°C
- NAIMCC-B-00391  
*Pseudomonas plecoglossicida* R 4, P. Gunashekharan, Madurai K University, King's B, 28°C
- NAIMCC-B-00392  
*Pseudomonas plecoglossicida* R 5, P. Gunashekharan, Madurai K University, King's B, 28°C
- NAIMCC-B-00393  
*Pseudomonas plecoglossicida* S 11, P. Gunashekharan, Madurai K University, King's B, 28°C
- NAIMCC-B-00394  
*Pseudomonas plecoglossicida* S 18, P. Gunashekharan, Madurai K University, King's B, 28°C
- NAIMCC-B-00396  
*Pseudomonas plecoglossicida* S 22, P. Gunashekharan, Madurai K University, King's B, 28°C
- NAIMCC-B-00397  
*Pseudomonas plecoglossicida* S 7, P. Gunashekharan, Madurai K University, King's B, 28°C
- NAIMCC-B-00398  
*Pseudomonas plecoglossicida* S 9, P. Gunashekharan, Madurai K University, King's B, 28°C
- NAIMCC-B-00399  
*Pseudomonas plecoglossicida* S13, P. Gunashekharan, Madurai K University, King's B, 28°C
- NAIMCC-B-00541  
*Pseudomonas plecoglossicida* LCR-93, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.
- NAIMCC-B-00395  
*Pseudomonas plecoglossicida*, S 19, P. Gunashekharan, Madurai K University, King's B, 28°C
- NAIMCC-B-00400  
*Pseudomonas poae* RT5RP2 (MTCC 9243), Rhizosphere soil, G. Selvakumar, VPKAS, Almora, Nutrient Agar, 30°C
- NAIMCC-B-00512  
*Pseudomonas pseudoalcalis* CIBA-T3, Creek water, T. C. Santiago, Balasore, Orissa, 2009, Zobell Marine Agar, 37°C.
- NAIMCC-B-00401  
*Pseudomonas putida* Pankaj Mishra, King's B, 28 °C
- NAIMCC-B-00402  
*Pseudomonas putida* PS-2 Javed Musarrat AMU, King's B, 28°C
- NAIMCC-B-00403  
*Pseudomonas putida* Reeta Goel, Pantnagar, King's B, 28°C
- NAIMCC-B-00532  
*Pseudomonas putida* LCR-92, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.
- NAIMCC-B-00647  
*Pseudomonas putida* NBP1, Wheat Rhizospheric soil, A. K. Saxena, Ropar, Punjab, 2009, KB, 27°C.
- NAIMCC-B-00648  
*Pseudomonas putida* NBP2, Wheat Rhizospheric soil, A. K. Saxena, Patiala, Punjab, 2009, KB, 27°C.
- NAIMCC-B-00691  
*Pseudomonas putida* NBP-1, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00692  
*Pseudomonas putida* NBP-2, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00763  
*Pseudomonas putida* biovar A(330) 330, Rhizospheric soil of groundnut, K. K Pal, Kutch, Gujarat, 2008, NA, 28-30°C.
- NAIMCC-B-00764  
*Pseudomonas putida* biovar A(357) 330, Rhizospheric soil of groundnut, K. K Pal, Kutch, Gujarat, 2008, NA, 28-30°C.
- NAIMCC-B-00404  
*Pseudomonas solanacearum* NCIM 5103, King's B, 28°C



- NAIMCC-B-00405  
*Pseudomonas solanacearum* NCIM-5103, King's B, 28°C
- NAIMCC-B-00406  
*Pseudomonas* sp. PK Sharma, CCSHAU, Hissar, King's B, 28°C
- NAIMCC-B-00407  
*Pseudomonas* sp. CABI-347317, mud composed of *Cocos nucifera*, India, IMI 1977, NA, 25°C, Hazard Group 2: Microbiological Assessment 2
- NAIMCC-B-00408  
*Pseudomonas* sp. King's B, 28 °C
- NAIMCC-B-00409  
*Pseudomonas* sp. King's B, 28 °C
- NAIMCC-B-00410  
*Pseudomonas* sp. King's B, 28 °C
- NAIMCC-B-00411  
*Pseudomonas* sp. King's B, 28 °C
- NAIMCC-B-00412  
*Pseudomonas* sp. King's B, 28 °C
- NAIMCC-B-00413  
*Pseudomonas* sp. King's B, 28 °C
- NAIMCC-B-00414  
*Pseudomonas* sp. King's B, 28 °C
- NAIMCC-B-00415  
*Pseudomonas* sp. NBDS P 1, D.K. Arora, NBAIM, King's B, 28°C
- NAIMCC-B-00649  
*Pseudomonas* sp. PCR7(2), G. Selvakumar, VPKAS, Uttarakhand, 2009, NA, 37°C.
- NAIMCC-B-00693  
*Pseudomonas* sp. NBP-3, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00694  
*Pseudomonas* sp. NBP-4, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00695  
*Pseudomonas* sp. NBP-5, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00696  
*Pseudomonas* sp. NBP-6, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00697  
*Pseudomonas* sp. NBP-7, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00698  
*Pseudomonas* sp. NBP-8, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00699  
*Pseudomonas* sp. NBP-9, Soil, A. K. Saxena, Gujarat, 2009, NA, 37°C.
- NAIMCC-B-00701  
*Pseudomonas* sp. NBP-10, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00702  
*Pseudomonas* sp. NBP-11, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00703  
*Pseudomonas* sp. NBP-12, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00704  
*Pseudomonas* sp. NBP-13, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00705  
*Pseudomonas* sp. NBP-14, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00706  
*Pseudomonas* sp. NBP-15, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00707  
*Pseudomonas* sp. NBP-16, Soil, A. K. Saxena, Gujarat, 2009, NA, 37°C.
- NAIMCC-B-00708  
*Pseudomonas* sp. NBP-17, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00709  
*Pseudomonas* sp. NBP-18, Soil, A. K. Saxena, Punjab, 2009, NA, 37°C.
- NAIMCC-B-00901  
*Pseudomonas stutzeri* T-S3, Fish skin (*terapon* sp.) Imelda Joseph , Thoothukudi, Tamil Nadu, 2011, NA With 2% NaCl & Zobell's Marine Agar, 30-35°C
- NAIMCC-B-00416  
*Pseudomonas syringae* pv. *garcae* CABI-347446, isolated from leaf of *Coffea arabica*, Halo Blight, India
- NAIMCC-B-00417  
*Pseudomonas syringae* pv. *sesami* CABI-347536, isolated from *Sesamum indicum*, India
- NAIMCC-B-00795  
*Psuedoalteromonas* sp. NBC6, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00792  
*Psuedomonas poae* NBB19, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00418  
*Ralstonia solanacearum* biovar. IV CABI-347587, isolated from *Corchorus olitorius*, India
- NAIMCC-B-00419  
*Ralstonia solanacearum* IC Bora, Assam, NA, 30-37°C
- NAIMCC-B-00420  
*Rhizobium* sp. (chickpea), Ca-181, IC 2058, IC 166, ICRISAT, CRYEMA, 28°C
- NAIMCC-B-00421  
*Rhizobium* sp. (chickpea), IC 2001, CB 1189, R382, Tal 619, ICRISAT, Hyderabad 2007, CRYEMA, 28°C
- NAIMCC-B-00422  
*Rhizobium* sp. (chickpea), IC 2002, R3889, Tal 620, CC1192, ICRISAT, Hyderabad 2007, CRYEMA, 28°C

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- NAIMCC-B-00423  
*Rhizobium* sp. (chickpea), IC 2018, N68, ICRISAT, Hyderabad 2007, CRYEMA, 28°C
- NAIMCC-B-00424  
*Rhizobium* sp. (chickpea), IC 2099, F 75, ICRISAT, Hyderabad 2007, CRYEMA, 28°C
- NAIMCC-B-00425  
*Rhizobium* sp. (chickpea), IC 76, Tal 1111, ICRISAT, Hyderabad 2007, CRYEMA, 28°C
- NAIMCC-B-00758  
*Rhizobium larrymoorei* SK-03, Wheat-maize Rhizospheric soil, S. K. Gosal, Amritsar, Punjab, 2010, Jenson's medium, 28-30°C.
- NAIMCC-B-00862  
*Rhizobium leguminosarum* MRG6, Root Nodules, D. K. Maheshwari, Tehri garhwal, U.P., 2011, Yeast Extract Mannitol Agar, 28±1°C
- NAIMCC-B-00426  
*Rhizobium lupini* NCIM-2754, CRYEMA, 28°C
- NAIMCC-B-00427  
*Rhizobium meliloti* USDA 9032, CFN 42, A.K. Saxena, CRYEMA, 28 °C
- NAIMCC-B-00428  
*Rhizobium meliloti* NCIM 2754, CRYEMA, 28°C
- NAIMCC-B-00429  
*Rhizobium meliloti* R. P. Pareek, BISR, Jaipur, CRYEMA, 28°C
- NAIMCC-B-00430  
*Rhizobium meliloti* R. P. Pareek, BISR, Jaipur, CRYEMA, 28°C
- NAIMCC-B-00431  
*Rhizobium phaseoli* FB-12, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00432  
*Rhizobium phaseoli* FB-9, A.K. Saxena 2007, CRYEMA, 28°C
- NAIMCC-B-00433  
*Rhizobium phaseoli* FB-17, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00434  
*Rhizobium phaseoli* FB-2, A.K. Saxena 2007, CRYEMA, 28 °C, LG
- NAIMCC-B-00435  
*Rhizobium phaseoli* FB-20, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00436  
*Rhizobium phaseoli* FB-77, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00437  
*Rhizobium* sp. (*Acacia nilotica*), A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00438  
*Rhizobium* sp. (chickpea), G 10, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00439  
*Rhizobium* sp. (*Leucaena*), LM7, A.K. Saxena 2007, CRYEMA, 28°C
- NAIMCC-B-00440  
*Rhizobium* sp. (*Leucaena*), LM8, A.K. Saxena 2007, CRYEMA, 28°C
- NAIMCC-B-00441  
*Rhizobium* sp. TNAU 14, Natrajan, TNAU CRYEMA, 28°C
- NAIMCC-B-00551  
*Rhizobium* sp. DL-1, Lentil Rhizospheric soil, R. K Bansal, Durgapur, Rajasthan, 2007, N.A, 28°C.
- NAIMCC-B-00442  
*Rhodococcus equi* MTCC 3551, M. S. Yandigeri, NBAIM, 2008 (Corynebacterium agar, 30°C Aerobic), Type strain identical with DSM43349
- NAIMCC-B-00443  
*Saccharopolyspora erythraea* MTCC 1103, ISP5517, ATCC11635, DSM 40517, IFO 13426, JCM4748,4026, CBS727.72, DSM 41036, ISP 5517, NCIB8594, NRRL2338, RIA 1387, M. Yandigeri, 2008 (Starch Tryptose Peptone Agar medium, 25°C), Type strain, Production of erythromycin complex (A, B and C), Patent Strain
- NAIMCC-B-00444  
*Serratia* sp. CABI-352385, Midgut, whole body of Bombyx mori (silk worm), M.C. Deviah, Bangalore Karnataka India, IMI 1991, M.C. Deviah, No. 3, NA 28°C
- NAIMCC-B-00445  
*Serratia* sp. CABI-352392, Midgut, whole body of Bombyx mori (silk worm), M.C. Deviah, Bangalore Karnataka India, IMI 1991, M.C. Deviah, No. 10, NA 28°C
- NAIMCC-B-00446  
*Serratia marcescens* SRM, G Selvakumar, VPKAS, Almora, Dnase Test Agar, 30-37°C
- NAIMCC-B-00447  
*Serratia marcescens* NB11C, A.K. Saxena 2007, DNase Test Agar, 30-37 °C
- NAIMCC-B-00448  
*Serratia marcescens* NB2a, A.K. Saxena 2007, NBAIM, DNase Test Agar, 30-37°C
- NAIMCC-B-00449  
*Serratia marcescens* NB835, A.K. Saxena 2007, DNase Test Agar, 30-37 °C
- NAIMCC-B-00450  
*Serratia marcescens* NB9b R, A.K. Saxena 2007, NBAIM, Dnase Test Agar, 30-37°C
- NAIMCC-B-00451  
*Serratia marcescens* NB9b, A.K. Saxena 2007, NBAIM, Dnase Test Agar, 30-37°C
- NAIMCC-B-00452  
*Serratia marcescens* NBA-1, A.K. Saxena 2007, NBAIM DNase Test Agar, 30-37°C
- NAIMCC-B-00453  
*Serratia marcescens* NBA-2, A.K. Saxena 2007, NBAIM, DNase Test Agar, 30-37°C
- NAIMCC-B-00454  
*Serratia marcescens* BWS endj, A.K. Saxena 2007, NBAIM, DNase Test Agar, 30-37°C

- NAIMCC-B-00455  
*Serratia marcescens* BWS, A.K. Saxena 2007, NBAIM, DNase Test Agar, 30-37°C
- NAIMCC-B-00456  
*Serratia marcescens* C.S. Purushothaman, DNase Test agar, 30-37°C
- NAIMCC-B-00457  
*Serratia marcescens* NBD11/B, A.K. Saxena 2007, NBAIM, DNase Test Agar, 30-37°C
- NAIMCC-B-00458  
*Serratia marcescens* NBD-16, A.K. Saxena 2007, NBAIM, DNase Test Agar, 30-37°C
- NAIMCC-B-00459  
*Serratia marcescens* NBD6A, A.K. Saxena 2007, NBAIM DNase Test Agar, 30-37°C
- NAIMCC-B-00460  
*Serratia marcescens* NBILC-116, A.K. Saxena 2007, NBAIM DNase Test Agar, 30-37°C
- NAIMCC-B-00461  
*Serratia marcescens* KR-4, G Selvakumar, VPKAS, Almora, DNase Test Agar, 30-37°C
- NAIMCC-B-00462  
*Serratia marcescens* NBMZJ, A.K. Saxena 2007, NBAIM, DNase Test Agar, 30-37°C
- NAIMCC-B-00463  
*Serratia marcescens* NBR8A, A.K. Saxena 2007, NBAIM, DNase Test Agar, 30-37°C
- NAIMCC-B-00464  
*Serratia marcescens* NBRjC, A.K. Saxena 2007, NBAIM, DNase Test Agar, 30-37°C
- NAIMCC-B-00465  
*Serratia marcescens* NBSE-8, A.K. Saxena 2007, NBAIM, DNase Test Agar, 30-37°C
- NAIMCC-B-00466  
*Serratia marcescens* NBSE-9, A.K. Saxena 2007, NBAIM, DNase Test Agar, 30-37°C
- NAIMCC-B-00467  
*Serratia marcescens* SM-13, A.R. Algawadi, Dharwad, DNase Test Agar, 30-37°C
- NAIMCC-B-00468  
*Serratia marcescens* SM-5, A.R. Algawadi, Dharwad, DNase Test Agar, 30-37°C
- NAIMCC-B-00527  
*Serratia marcescens* LCR-87, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.
- NAIMCC-B-00536  
*Serratia marcescens* LCR-101, Paddy field soil, L. C. Rai, Varanasi, Uttar Pradesh, 2009, L. B. Medium, N.A, 30°C.
- NAIMCC-B-00546  
*Serratia marcescens* PHA-L11, Saccharaum munja compost, Lata, Mathura, Uttar Pradesh, 2009, Bus well and Haas mineral medium, N.A, 28°C.
- NAIMCC-B-00766  
*Serratia marcescens* BRB49, Rhizospheric soil (Black Peper), M. Anandraj, Coorg, Karnataka, 2009, NA, 28°C.
- NAIMCC-B-00769  
*Serratia marcescens* GRB68, Rhizospheric soil (Ginger), M. Anandraj, Kozhikode, Kerela, 2009, NA, 28°C.
- NAIMCC-B-00851  
*Serratia marcescens* L11, PAH contaminated soil, Lata, IARI, New Delhi, 2010, NA, 30-35°C.
- NAIMCC-B-00469  
*Shewanella algae* FD 1, T.C. Santiago, CIBA, Chennai, NA, 30-37 °C
- NAIMCC-B-00470  
*Sinorhizobium meliloti* A.K. Saxena 2007, CRYEMA, 28°C
- NAIMCC-B-00471  
*Sinorhizobium meliloti* USDA 1002, A.K. Saxena 2007, NBAIM, CRYEMA, 28°C
- NAIMCC-B-00863  
*Sinorhizobium meliloti* MRK10, Root Nodules, D. K. Maheshwari, Champawat, Kumaon, U.P, 2011, Yeast Extract Mannitol Agar, 28±1°C
- NAIMCC-B-00752  
*Sphingobacterium* sp. SK-508, Wheat-Cotton Rhizospheric soil, S. K. Gosal, Mansa, Punjab, 2010, Jensen's medium, 28-30°C.
- NAIMCC-B-00554  
*Sphingomonas paenimobilis* Wheat cropping system, S. K. Gosal, Ferozepur, Punjab, 2009, Nitrogen free media, 28-30°C.
- NAIMCC-B-00747  
*Sphingomonas paucimobilis* SK-501, Wheat-Cotton Rhizospheric soil, S. K. Gosal, Gurdaspur, Punjab, 2010, Jensen's medium, 28-30°C.
- NAIMCC-B-00790  
*Sphingomonas* sp. NBC4, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.
- NAIMCC-B-00577  
*Sporosarcina saromensis* V3 Lutjanus, Fish viscera, Imelda Joseph, Trivandrum, Kerala, 2009, N.A, Zobell marine agar, 30-35°C.
- NAIMCC-B-00472  
*Staphylococcus saprophiticus* NB36, A.K. Saxena 2007, NBAIM, NA, 30-37°C
- NAIMCC-B-00838  
*Staphylococcus succinus* P17, Rhizospheric soil of Soyabean, D. L. N Rao, Geelakhedi, Rajgarh, Madhya Pradesh, 2010, NA- 28°C.
- NAIMCC-B-00904  
*Staphylococcus warneri* V-3, Fish Viscera (*Cynoglossus* sp.) Imelda Joseph, Calicut, Kerala, 2011, NA With 2% NaCl & Zobell's Marine Agar, 30-35°C
- NAIMCC-B-00473  
*Stenotrophomonas acetaminiphila* JS-1, Javed Musarrat AMU, NA, 30-37°C
- NAIMCC-B-00555  
*Stenotrophomonas maltophilia* Wheat cropping system, S. K. Gosal, Hoshiapur, Punjab, 2009, Nitrogen free media, 28-30°C.

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### Bacteria

NAIMCC-B-00753

*Stenotrophomonas maltophilia* SK-510, Wheat-Rice Rhizospheric soil, S. K. Gosal, Ludhiana, Punjab, 2010, Jensen's medium, 28-30°C.

NAIMCC-B-00757

*Stenotrophomonas maltophilia* SK-514, Wheat-Cotton Rhizospheric soil, S. K. Gosal, Gurdaspur, Punjab, 2010, Jensen's medium, 28-30°C.

NAIMCC-B-00796

*Stenotrophomonas maltophilia* NBH3, Psychrophilic water sample, Dilip K. Arora, Pongong lake, Leh, 2010, NA, 10-15°C.

NAIMCC-B-00877

*Stenotrophomonas maltophilia* WT-A2, Rhizospheric Soil, S. S. Kanwar, Western Himalayas, 2011, Jensen's Medium, 30±1°C

NAIMCC-B-00759

*Stenotrophomonas* sp. SK-07, Wheat-maize Rhizospheric soil, S. K. Gosal, Gurdaspur, Punjab, 2010, Jensen's medium, 28-30°C.

NAIMCC-B-00474

*Streptococcus diacetilactis* NCIM 2142, NA, 30-37°C

NAIMCC-B-00475

*Streptomyces* sp. CABI-352504, *Lumbricus terrestris*: gut, E.K.Joy no. D14, 6 June 1991, IMI 1992, Pakhal forest Warangal District A.P. India, IMI 1992, OA 28°C

NAIMCC-B-00476

*Streptomyces* sp. CABI-352506, *Lumbricus terrestris*: gut, E.K.Joy no. D16, 10 Aug 1991, IMI 1992, Pakhal forest Warangal District A.P. India, IMI 1992, OA 28°C

NAIMCC-B-00477

*Streptomyces* sp. CABI-352507, *Lumbricus terrestris*: gut, E.K.Joy no. D17, 13 Aug 1991, IMI 1992, Pakhal forest Warangal District A.P. India, IMI 1992, OA 28°C

NAIMCC-B-00478

*Streptomyces* sp. CABI-352508, *Lumbricus terrestris*: gut, E.K.Joy no. D18, 16 July 1991, IMI 1992, Pakhal forest Warangal District A.P. India, IMI 1992, OA 28°C

NAIMCC-B-00479

*Streptomyces* sp. CABI-352509, *Lumbricus terrestris*: gut, E.K.Joy no. D19, 11 Dec. 1991, IMI 1992, Pakhal forest Warangal District A.P. India, IMI 1992, OA 28°C

NAIMCC-B-00480

*Streptomyces albulus* Routien MTCC-503, IFO13410, ATCC12757, CBS711.72, RIA1371, ISP5492, DSM40492, (ISP-2, 28°C), Type strain, production of 3-[2-(5-acetoxy-2-hydroxy-3,5-dimethylcyclohexyl)-2-hydroxyethyl] glutarimide and derivative, cyclohexamide, nystatin, J.Am.Chem.Soc.82:1127,1960, Int. J. Syst. Bacteriol. 22:271, 1972, Patent strain.

NAIMCC-B-00481

*Streptomyces alburnaceus* MTCC-13, Pridham *et al*, S. Das, (ISP-2, 30°C)

NAIMCC-B-00482

*Streptomyces albus* MTCC-1137, Waksman and Henrici, D.A. Hopwood, (ISP-2, 25°C)

NAIMCC-B-00591

*Streptomyces acrimycini* N-53, Wheat Crop rhizosphere soil, Mahesh Yandigeri, Lucknow, Uttar Pradesh, 2010, Starch casein agar, 32°C.

NAIMCC-B-00889

*Streptomyces africanis* KAI-24, soil, S. Gopalakrishnan, Medak, Andhra Pradesh, 2011, Starch Casein Agar, 28±2°C

NAIMCC-B-00588

*Streptomyces albogriseolus* N-40, Wheat crop Rhizospheric soil, Mahesh Yandigeri, Lucknow, Uttar Pradesh, 2010, Starch casein agar, 32°C.

NAIMCC-B-00590

*Streptomyces albogriseolus* N-71, Wheat Crop rhizosphere soil, Mahesh Yandigeri, Lucknow, Uttar Pradesh, 2010, Starch casein agar, 32°C.

NAIMCC-B-00817

*Streptomyces albogriseolus* ACT12, Creek, T.C Santiago, Yanam, Andhra Pradesh, 2010, AIA 30°C, 48-96hrs.

NAIMCC-B-00483

*Streptomyces aminophilus* Foster MTCC-2526, DSM40186, ATCC14961, ATCC23878, CBS617.68, IFO12837, ISP5186, NRRL 2390, RIA 1140 (93, 28°C), Type strain, Production of antifungal agent perimycin, Int. J. Syst. Bacteriol. 30:225, 1980

NAIMCC-B-00883

*Streptomyces anulatus* CAI-24, Compost, S. Gopalakrishnan, Medak, Andhra Pradesh 2011, Starch Casein Agar, 28±2°C

NAIMCC-B-00484

*Streptomyces argenteolus* Tresner *et al.* MTCC-2527, DSM40226, ATCC11009, ATCC23882, CBS662.68, IFO12841, JCM4623, ISP5226, RIA 1168. Soil, (93, 28°C), Type strain, carries out 16 $\alpha$ -hydroxylation of steroids; production of vitamin B12, Int. J. Syst. Bacteriol. 30:225, 1980

NAIMCC-B-00826

*Streptomyces atrovirens* NBN23, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, Uttar Pradesh, 2010, SCA, 32°C, 5-7 days.

NAIMCC-B-00603

*Streptomyces avidinii* VH-32, Rhizospheric soil, A. K. Srivastava, Allahabad, Kanpur, Uttar Pradesh, 2009, Starch casein agar, 32°C.

NAIMCC-B-00823

*Streptomyces bacillaris* NBD14, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, Uttar Pradesh, 2010, SCA, 32°C, 5-7 days.

NAIMCC-B-00832

*Streptomyces carpaticus* NBN29, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, Uttar Pradesh, 2010, SCA, 32°C, 5-7 days..

NAIMCC-B-00608

*Streptomyces ceolicolor* MTCC-09, S. Das, IMTECH, Chandigarh, Punjab, 2009, CM Media 30°C.

NAIMCC-B-00595

*Streptomyces chuglohousis* CIBA-ACT-3, Creek water, T. C. Santiago, Kakinada, Andhra Pradesh, 2009, AIA, 30°C.



NAIMCC-B-00825

*Streptomyces coeruleorubins* NBN22, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, Uttar Pradesh, 2010, SCA, 32°C, 5-7 days.

NAIMCC-B-00859

*Streptomyces flovidofuscus* NBCD21, Wheat Rhizospheric soil, Mahesh Yandigeri, U.P, 2011, SC Agar & GYME Broth, 32±2°C

NAIMCC-B-00861

*Streptomyces fradiae* NBC46, Wheat Rhizospheric soil, Mahesh Yandigeri, U.P, 2011, SC Agar & GYME Broth, 32±2°C

NAIMCC-B-00860

*Streptomyces fumigatiscleroticus* NBC4, Wheat Rhizospheric soil, Mahesh Yandigeri, U.P, 2011, SC Agar & GYME Broth, 32±2°C

NAIMCC-B-00601

*Streptomyces globosus* VH-18, Rhizospheric soil, A. K. Srivastava, Allahabad, Kanpur, U.P., 2009, Starch casein agar, 32°C.

NAIMCC-B-00831

*Streptomyces griseoflavus* NBN49, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, U.P., 2010, SCA, 32°C, 5-7 days..

NAIMCC-B-00589

*Streptomyces griseorubens* N-45, Wheat Crop rhizosphere soil, Mahesh Yandigeri, Lucknow, U.P. 2010, Starch casein agar, 32°C.

NAIMCC-B-00884

*Streptomyces griseus* CAI-68, Compost, S. Gopalakrishnan, Medak, Andhra Pradesh 2011, Starch Casein Agar, 28±2°C

NAIMCC-B-00485

*Streptomyces griseus* subsp. *griseus* MTCC 4734, M.S. Yandigeri, NBAIM, 2008 (Streptomycetes Medium, 30°C Aerobic), Type strain produces streptomycin

NAIMCC-B-00824

*Streptomyces humidus* NBN9, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, U.P., 2010, SCA, 32°C, 5-7 days.

NAIMCC-B-00819

*Streptomyces koyangensis* NBA52, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, U.P., 2010, SCA, 32°C, 5-7 days.

NAIMCC-B-00888

*Streptomyces koyangensis* KAI-27, Soil, S. Gopalakrishnan, Medak, Andhra Pradesh, 2011, Starch Casein Agar, 28±2°C

NAIMCC-B-00587

*Streptomyces macrosporeus* N-19, Wheat crop Rhizospheric soil, Mahesh Yandigeri, Lucknow, Uttar Pradesh, 2010, Starch casein agar, 32°C.

NAIMCC-B-00596

*Streptomyces pseudogreseolus* CIBA-ACT-5, Creek water, T. C. Santiago, Kakalwip, West Bengal, 2009, AIA, 30°C.

NAIMCC-B-00599

*Streptomyces pseudogreseolus* CIBA-ACT-8, Back water, T. C. Santiago, Muttukadu, Chennai, 2009, AIA, 30°C.

NAIMCC-B-00600

*Streptomyces pseudogreseolus* CIBA-ACT-9, Creek water, T. C. Santiago, Nagapattinam, Chennai, 2009, AIA, 30°C.

NAIMCC-B-00829

*Streptomyces pseudogriseolus* NBN44, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, Uttar Pradesh, 2010, SCA, 32°C, 5-7 days.

NAIMCC-B-00602

*Streptomyces rochei* VH-52, Rhizospheric soil, A. K. Srivastava, Allahabad, Kanpur, Uttar Pradesh, 2009, Starch casein agar, 32°C.

NAIMCC-B-00820

*Streptomyces rochei* NBA147, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, Uttar Pradesh, 2010, SCA, 32°C, 5-7 days.

NAIMCC-B-00852

*Streptomyces rochei* PAH13, PAH contaminated soil, Lata, IARI, New Delhi, 2010, Kenknights medium, 30-35°C.

NAIMCC-B-00822

*Streptomyces rubrolavendulae* NBD43, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, Uttar Pradesh, 2010, SCA, 32°C, 5-7 days.

NAIMCC-B-00886

*Streptomyces sampsonii* KAI-26, Rhizospheric soil, S. Gopalakrishnan, Karnataka, 2011, Starch Casein Agar, 28±2°C

NAIMCC-B-00486

*Streptomyces scabiei* MTCC 3966, M. S. Yandigeri, NBAIM 2008 (Streptomycetes Medium, 30°C Aerobic), Degradation of chitin

NAIMCC-B-00890

*Streptomyces setoni* CAI-24, Herbal Compost, S. Gopalakrishnan, Medak, Andhra Pradesh, 2011, Starch Casein Agar, 28±2°C

NAIMCC-B-00885

*Streptomyces setonii* CAI-127, Compost, S. Gopalakrishnan, Medak, Andhra Pradesh, 2011, Starch Casein Agar, 28±2°C

NAIMCC-B-00592

*Streptomyces* sp. CAI-17, Compost, S. Gopalakrishna, Hyderabad, Andhra Pradesh, 2009, AIA, 28°C.

NAIMCC-B-00593

*Streptomyces* sp. CAI-78, Compost, S. Gopalakrishna, Hyderabad, Andhra Pradesh, 2009, AIA, 28°C.

NAIMCC-B-00594

*Streptomyces* sp. CIBA-ACT-2, Creek water, T. C. Santiago, Yanam, Andhra Pradesh, 2009, AIA, 30°C.

NAIMCC-B-00633

*Streptomyces* sp. NBC38, Wheat field, Rajeev kaushik, Lalkuan, Uttarakhand, 2009, Starch casein agar, 35°C.

## National Agriculturally Important Microbial Culture Collection

### Bacteria

NAIMCC-B-00634

*Streptomyces* sp. NBE45, Effluent contaminated field, Rajeev kaushik, Lalkuan, Uttarakhand, 2009, Starch casein agar, 35°C.

NAIMCC-B-00635

*Streptomyces* sp. NBE12, Effluent contaminated field, Rajeev kaushik, Lalkuan, Uttarakhand, 2009, Starch casein agar, 37°C.

NAIMCC-B-00636

*Streptomyces* sp. NBE9, Effluent contaminated field, Rajeev kaushik, Lalkuan, Uttarakhand, 2009, Starch casein agar, 37°C.

NAIMCC-B-00637

*Streptomyces* sp. NBE6, Effluent contaminated field, Rajeev kaushik, Lalkuan, Uttarakhand, 2009, Starch casein agar, 37°C.

NAIMCC-B-00638

*Streptomyces* sp. NBC37, Wheat field, Rajeev kaushik, Lalkuan, Uttarakhand, 2009, Starch casein agar, 37°C.

NAIMCC-B-00639

*Streptomyces* sp. NBC15, Wheat field, Rajeev kaushik, Lalkuan, Uttarakhand, 2009, Starch casein agar, 37°C.

NAIMCC-B-00640

*Streptomyces* sp. NBE24, Effluent contaminated field, Rajeev kaushik, 2009, Lalkuan, Uttarakhand, Starch casein agar, 37°C.

NAIMCC-B-00641

*Streptomyces* sp. NBE3, Effluent contaminated field, Rajeev kaushik, Lalkuan, Uttarakhand, 2009, Starch casein agar, 37°C.

NAIMCC-B-00642

*Streptomyces* sp. NBE40, Effluent contaminated field, Rajeev kaushik, Lalkuan, Uttarakhand, 2009, Starch casein agar, 37°C.

NAIMCC-B-00643

*Streptomyces* sp. NBE34, Effluent contaminated field, Rajeev kaushik, Lalkuan, Uttarakhand, 2009, Starch casein agar, 37°C.

NAIMCC-B-00644

*Streptomyces* sp. NBE7, Effluent contaminated field, Rajeev kaushik, Lalkuan, Uttarakhand, 2009, Starch casein agar, 37°C.

NAIMCC-B-00645

*Streptomyces* sp. NBC8, Wheat cropping field, Rajeev kaushik, Lalkuan, Uttarakhand, 2009, Starch casein agar, 37°C.

NAIMCC-B-00646

*Streptomyces* sp. NBC5, Wheat cropping field, Rajeev kaushik, Lalkuan, Uttarakhand, 2009, Starch casein agar, 37°C.

NAIMCC-B-00818

*Streptomyces* sp. ACT10, Creek, T.C Santiago, Yanam, Andhra Pradesh, 2010, AIA 30°C, 48-96hrs.

NAIMCC-B-00858

*Streptomyces spiralis* NBC5, Wheat Rhizospheric soil, Mahesh Yandigeri, U.P, 2011, SC Agar & GYME Broth, 32±2°C

NAIMCC-B-00887

*Streptomyces tendae* KAI-32, Soil, S. Gopalakrishnan, Medak, Andhra Pradesh, 2011, Starch Casein Agar, 28±2°C

NAIMCC-B-00598

*Streptomyces thermocarboxydus* CIBA-ACT-7, Creek water, T. C. Santiago, Ongole, Andhra Pradesh, 2009, AIA, 30°C.

NAIMCC-B-00830

*Streptomyces thermocarboxydus* NBN46, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, Uttar Pradesh, 2010, SCA, 32°C, 5-7 days.

NAIMCC-B-00821

*Streptomyces thermoluteus* NBD4, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, Uttar Pradesh, 2010, SCA, 32°C, 5-7 days.

NAIMCC-B-00609

*Streptomyces toxytricini* VH-22, Rhizospheric soil, A. K. Srivastava, Allahabad, Kanpur, Uttar Pradesh, 2009, Starch casein agar, 32°C.

NAIMCC-B-00857

*Streptomyces variabilis* NBC12, Wheat Rhizospheric soil, Mahesh Yandigeri, U.P, 2011, SC Agar & GYME Broth, 32±2°C

NAIMCC-B-00833

*Streptomyces variegatus* NBD69, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, Uttar Pradesh, 2010, SCA, 32°C, 5-7 days.

NAIMCC-B-00828

*Streptomyces vinaceus* NBN37, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, Uttar Pradesh, 2010, SCA, 32°C, 5-7 days.

NAIMCC-B-00827

*Streptomyces viridis* NBN26, Indo Gangatic Plains-Rhizospheric soil, Mahesh Yandigeri, Uttar Pradesh, 2010, SCA, 32°C, 5-7 days.

NAIMCC-B-00487

*Streptoverticillum* sp. CABI-352501, *Lumbricus terrestris*: gut, E.K.Joy no. D11 & S.M.Reddy, Pakhal forest Warangal District A.P. India, IMI 1992, OA 28°C

NAIMCC-B-00488

*Streptoverticillum* sp. CABI-352502, *Lumbricus terrestris*: gut, E.K.Joy no. D12, 10 Aug 1991, IMI 1992, Pakhal forest Warangal District A.P. India, IMI 1992, OA 28°C

NAIMCC-B-00617

*Tsukamurella* sp. NBSL-21, Sambhar lake water sample, A. K. Saxena, Rajasthan, 2009, JM 5%NaCl, 35°C.

NAIMCC-B-00719

*Vergibacillus* sp. NB20(6), Soil and water, A. K. Saxena, Pulikat lake, Tamil Nadu 2008, NA 5% NaCl, 28°C.

NAIMCC-B-00489

*Vibrio campbelli* 1FD1, T.C. Santiago, CIBA, Chennai, NA, 30-37 °C

NAIMCC-B-00490

*Vibrio campbelli* 2FD1, T.C. Santiago, CIBA, Chennai, NA, 30-37 °C

NAIMCC-B-00715

*Virgibacillus* sp. NB65, Soil and water, Pulikat lake, A. K. Saxena, Tamil Nadu 2008, NA 5% NaCl, 28°C.

NAIMCC-B-00717

*Virgibacillus* sp. NB31, Soil and water, A. K. Saxena, Pulikat lake, Tamil Nadu 2008, 5% NaCl-NA, 28°C.

NAIMCC-B-00723

*Virgibacillus* sp. NB20(8), Soil and water, A. K. Saxena, Pulikat lake, Tamil Nadu 2008, NA 5% NaCl, 28°C.

NAIMCC-B-00491

*Xanthomonas axenopodis* D.C. Khatua, West Bengal, NA, 30-37°C

NAIMCC-B-00492

*Xanthomonas campestris* pv. *amaranthicola* CABI-349483, Isolated from Amaranthus, India

NAIMCC-B-00493

*Xanthomonas campestris* pv. *argemones* CABI-349476, Isolated from *Argemone mexicana*, India

NAIMCC-B-00494

*Xanthomonas campestris* pv. *azadirachtae* CABI-349474, Isolated from *Azadirachta indica*, India

NAIMCC-B-00495

*Xanthomonas campestris* pv. *clitoriae* CABI-349479, Isolated from *Clitoria biflora*, India

NAIMCC-B-00496

*Xanthomonas campestris* pv. *cyamopsidis* CABI-349471, Isolated from *Cyamopsis tetragonolobus*, India

NAIMCC-B-00497

*Xanthomonas campestris* pv. *desmodirotundifolii* CABI-349451, Isolated from *Desmodium rotundifolium*, India

NAIMCC-B-00498

*Xanthomonas campestris* pv. *holicola* CABI-349477, Isolated from leaf of Sorghum, India

NAIMCC-B-00499

*Xanthomonas campestris* pv. *vitiswoodrowii* CABI-349469, Isolated from leaf of *Vitis vinifera*, India

NAIMCC-B-00500

*Xanthomonas malvacearum* NCIM 2310, NA, 30-37°C

NAIMCC-B-00760

*Xanthomonas oryzae* SK-510, Wheat-Cotton Rhizospheric soil, S. K. Gosal, Mansa, Punjab, 2010, Jensen's medium, 28-30°C.