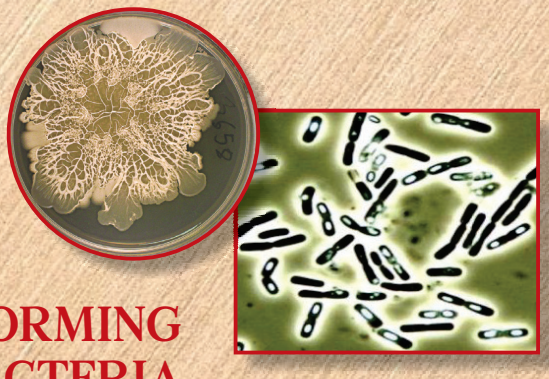
National Academy of Sciences of the Republic of Armenia
Scientific and Production Center "Armbiotechnology"

Microbial Depository Center

CATALOGUE OF THE CULTURE COLLECTION OF MICROORGANISMS

Volume I, Part III



AEROBIC SPORE-FORMING BACTERIA

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The “Microbial Depository Center” of the Scientific and Production Center “Armbiotechnology” of the National Academy of Sciences of the Republic of Armenia is a unique research institution the activity of which for more than 70 years has been exclusively aimed at collecting, maintaining and studying the microbial diversity of the Republic and South-Caucasus region as a whole. The largest in terms of number and taxonomic diversity regional collection of microorganisms’ cultures of scientific and industrial importance is concentrated here, represented by numerous genera, species and subspecies of various groups of microorganisms.

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PREFACE

Microbiological synthesis of biologically active compounds is one of the most important areas of modern biotechnology. In this regard, the culture collections of microorganisms are valuable resources for the sustainable application of microbial diversity and have significant biotechnological potential and practical value for microbiological transformations.

The Culture Collection of the Microbial Depository Center (MDC) of the Scientific and Production Center "Armbiotechnology" of the National Academy of Sciences of Armenia are one of the specialized repositories of non-pathogenic microorganisms. The cultures of the entomopathogenic species *Bacillus thuringiensis* established the basis for developing a culture collection in 1958 in the Laboratory of spore-forming microorganisms of the Institute of Microbiology of the Academy of Sciences of the Armenian Soviet Socialist Republic by Academician of the National Academy of Sciences of the RA Prof. Evrik Afrikian (1925-2016).

The Microbial Depository Center (MDC) presents the National Culture Collection and database of non-pathogenic microorganisms of scientific and industrial importance and includes more than 12,000 strains of bacteria, fungi, yeasts, actinomycetes, algae, as well as genetically modified microorganisms. Most of the strains were initially isolated, identified and studied in Armenia, reflecting the extraordinary diversity of the ecological and climatic biotopes of the Caucasus region. The strains are preserved by systematic inoculation on nutrient media under mineral oil, lyophilized. The collection (abbreviated as MDC) is included in the World Federation of Culture Collections (WFCC, http://www.wfcc.info) under No. 803.

The MDC maintains an extensive collection of well-characterized entomopathogenic bacilli (over 5.000 strains) which were isolated from samples from around the world and are essential for the production of insecticides, the production of transgenic plants and other genetic manipulations. There is a huge collection of original strains of yeasts, lactic acid bacteria, basidiomycetes, algae and other groups of microorganisms for food and feed production.

The collection includes many pronounced extremophilic forms that have important biotechnological potential and practical applications for microbiological transformations and the production of various biologically active substances. A special attention is paid to enzymatic characteristics of strains with an emphasis on their use for biocatalytic reactions and the creation of databases.

The MDC is a continuation of long-term of research and development for conducting a comprehensive assessment of microbial degradation / deterioration of synthetic polymer materials used in space technique. The collection includes over 1000 strains of filamentous fungi, including extremophiles, with Kits and Databases of biodegradable substances isolated from manned spacecraft and destroyed equipment.

The research activities of the MDC are related to the selection and identification of new isolates, the development of methods for long-term maintenance and preservation of their viability and stability of valuable properties, as well as the search for new practical applications for the deposited microbial cultures.

The priority areas of MDC are general and applied microbiology, biotechnology. There are experimental industrial and technological installations, necessary analytical and computing equipment. According to the Statement of the Minister of Education and Science of Armenia (of August 5, 2011) on the establishment of the "National Fund for Microorganisms" on the basis of MDC, the Center was included in the list of the National Heritage Institutions of Armenia.

Taking into account a wide biodiversity of supported cultures of microorganisms and for more convenient use, the Editorial Board has decided to present the published MDC Catalogue as separate volumes, where each volume will be devoted to a separate group of maintained microorganisms.

The 1st Volume of the Catalogue is dedicated to the biodiversity of the collection fund of spore-forming bacteria. Part III comprises detailed information on 524 strains of spore-forming bacteria, including the entomopathogenic and the extremophilic forms of bacteria belonging to 6 genera – *Bacillus, Brevibacillus, Geobacillus, Lysinibacillus, Paenibacillus, Priestia,* 15 species and *Bacillus* sp.

Dr. Valeri Bagiyan

Associate Professor
Head of the Microbial Depository Center

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 3249
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-128-1
Type strain:	No
Risk group:	No
Source of isolation:	Travertine, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 3254
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-139
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 5, 19
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 3258
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-167
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 3338
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-250-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 3351
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-259-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 3364
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-213-2
Type strain:	No
Risk group:	No
Source of isolation:	Forest soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 3805
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK- HF-9
Type strain:	No
Risk group:	No
Source of isolation:	Camel excrete, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Halophilic, growth on media with15% NaCl
References:	5, 19, 55
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4021
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-80-2
Type strain:	No
Risk group:	No
Source of isolation:	Grey soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4022
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-18r
Type strain:	No
Risk group:	No
Source of isolation:	Salted soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Obligative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4023
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-25
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Australia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Obligative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4194
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-1147v
Type strain:	No
Risk group:	No
Source of isolation:	Synthetic polymer
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4200
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-185-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Facultative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4214
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-193-5
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4216
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-194-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4226
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-199-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4242
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-48-3
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4246
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-50-9-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, France
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4251
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-51-5-1
Type strain:	No
Risk group:	No
Source of isolation:	Salted soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4262
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-58-4.
Type strain:	No
Risk group:	No
Source of isolation:	Salted soil, Kazakhstan
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces pullulanase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4319
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-183/1
Type strain:	No
Risk group:	No
Source of isolation:	Grey soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4334
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-222-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Obligative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4335
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-223-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4351
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-43-3
Type strain:	No
Risk group:	No
Source of isolation:	Black soil (czernozyom), Russia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4369
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-222-3
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4370
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-236-2
Type strain:	No
Risk group:	No
Source of isolation:	Subalpian meadow, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces aspartase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus circulans*** Jordan 1890
MDC number:	MDC 4377
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-246-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus coagulans*** Hammer 1915
MDC number:	MDC 4243
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-49-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus coagulans*** Hammer 1915
MDC number:	MDC 4250
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-50-12-3
Type strain:	No
Risk group:	No
Source of isolation:	Soil, France
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces pullulanase, amylase and lipase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus coagulans*** Hammer 1915
MDC number:	MDC 4252
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-53-1
Type strain:	No
Risk group:	No
Source of isolation:	Hot spring, Kazakhstan
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus coagulans*** Hammer 1915
MDC number:	MDC 4254
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-54-1
Type strain:	No
Risk group:	No
Source of isolation:	Hydrogen sulphide spring, Kazakhstan
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus coagulans*** Hammer 1915
MDC number:	MDC 4336
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-223-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus coagulans*** Hammer 1915
MDC number:	MDC 4359
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-72-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Facultative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus coagulans*** Hammer 1915
MDC number:	MDC 4404
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-191-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces aspartase
Additional properties:	Facultative thermophile
References:	5, 19, 20, 22
Form of supply:	Actively growing culture

Name of strain:	***Bacillus coagulans*** Hammer 1915
MDC number:	MDC 10808
Other collection number:	OUT 8344, IFO 3886
Synonym:	
History:	<- MDC <- INMIA <- IFO <- OUT
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 3228
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-91
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 3232
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-99-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 3237
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-109-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 3239
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-117
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 4236
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-41-2
Type strain:	No
Risk group:	No
Source of isolation:	Forest soil, Russia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 4237
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-43-1
Type strain:	No
Risk group:	No
Source of isolation:	Black soil (czernozyom), Russia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 4239
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-47-1
Type strain:	No
Risk group:	No
Source of isolation:	Naked soil, lake Sevan, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces pullulanase
Additional properties:	Facultative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 4247
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-50-9-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, France
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 4312
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-103/3
Type strain:	No
Risk group:	No
Source of isolation:	Grey non-cultivated soil, Turkmenistan
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 4365
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-98-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 4366
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-99-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 4378
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-246-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 4381
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-250-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 4385
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-254
Type strain:	No
Risk group:	No
Source of isolation:	Forest soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 4390
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-260-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 4391
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-262-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 4392
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-263-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus firmus*** Bredemann et Werner 1933
MDC number:	MDC 4408
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-106-2
Type strain:	No
Risk group:	No
Source of isolation:	Mountain black soil (czernozyom), Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces aspartase
Additional properties:	Facultative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 3353
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-261-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 3356
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-263-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 3367
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-218
Type strain:	No
Risk group:	No
Source of isolation:	Black soil (czernozyom), Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 3802
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. HF-4-2
Type strain:	No
Risk group:	No
Source of isolation:	Antelope excretae, zoo, Armenia
Growth condition:	Medium 12, 37°C
Metabolite production:	
Additional properties:	Halophilic
References:	5, 19, 55
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 3851
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. HF-10
Type strain:	No
Risk group:	No
Source of isolation:	Salted soil, Bulgaria
Growth condition:	Medium 12, 37°C
Metabolite production:	
Additional properties:	Halophilic
References:	
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4181
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-1081a
Type strain:	No
Risk group:	No
Source of isolation:	Synthetic polymer, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces aspartase
Additional properties:	Facultative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4185
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-1093v
Type strain:	No
Risk group:	No
Source of isolation:	Synthetic polymer, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Facultative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4193
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-1132
Type strain:	No
Risk group:	No
Source of isolation:	Synthetic polymer, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces aspartat-β-decarboxylase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4196
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T- 1148b
Type strain:	No
Risk group:	No
Source of isolation:	Synthetic polymer, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4201
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-185-3
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4204
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-188-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces aspartase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4207
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-189-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4210
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-193-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4215
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-194-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4219
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-195-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4220
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-196-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces aspartase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4222
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-197-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4230
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-202
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4231
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-203-1
Type strain:	No
Risk group:	No
Source of isolation:	Non-cultivated grey soil, Armenia.
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Facultative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4269
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-223-4
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces β-galactosidase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4270
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-114-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4291
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-183
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4311
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-103/2
Type strain:	No
Risk group:	No
Source of isolation:	Grey soil, Turkmenistan
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4316
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-178/1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4322
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-212
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces aspartase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4325
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-215-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces aspartase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4327
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-216
Type strain:	No
Risk group:	No
Source of isolation:	Birch soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces aspartase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4328
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-217-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4346
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-233
Type strain:	No
Risk group:	No
Source of isolation:	Black soil (czernozyom), Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces aspartat-β-decarboxylase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4349
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-37-2
Type strain:	No
Risk group:	No
Source of isolation:	Grey soil, cotton, Uzbekistan
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4367
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-111-1
Type strain:	No
Risk group:	No
Source of isolation:	Mountain black soil (czernozyom), Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus licheniformis*** (Weigmann 1898) Chester 1901
MDC number:	MDC 4368
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-112-1
Type strain:	No
Risk group:	No
Source of isolation:	Naked soil, lake Sevan, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 132
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 132 l
Type strain:	No
Risk group:	No
Source of isolation:	Grey soil, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 138
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 138 l
Type strain:	No
Risk group:	No
Source of isolation:	Meadow black soil (czernozyom), wheat, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 149
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 149 l
Type strain:	No
Risk group:	No
Source of isolation:	Non-cultivated black soil (czernozyom), Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 154
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 154 l
Type strain:	No
Risk group:	No
Source of isolation:	Chestnut black soil (czernozyom), Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 156
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 156 l
Type strain:	No
Risk group:	No
Source of isolation:	Grey soil, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 341
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 341 l
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), tea plant, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 422
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 422 l
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), tea plant, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 424
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 424 l
Type strain:	No
Risk group:	No
Source of isolation:	Black soil (czernozyom), Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 426
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 426 l
Type strain:	No
Risk group:	No
Source of isolation:	Chestnut soil, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 428
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 428 l
Type strain:	No
Risk group:	No
Source of isolation:	Brown forest soil, eucalyptus, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 430
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 430 l
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), tea plant, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 431
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 431 l
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), lemon, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 432
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 432 l
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), lemon, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 433
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 433 d
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), tea plant, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces right-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 434
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 434 d
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), tea plant, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces right-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 436
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 436 d
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), tea plant, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces right-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 438
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 438 d
Type strain:	No
Risk group:	No
Source of isolation:	Humus-carbonated soil, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces right-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 440
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 440 l
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), tea plant, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 442
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 442 d
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), lemon, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces right-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 443
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 443 l
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), bamboo, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 444
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 444 d
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), tea plant, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces right-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 447
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 447 d
Type strain:	No
Risk group:	No
Source of isolation:	Mountain-meadow soil, Aragats, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces right-rotating colonies
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 448
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 448 dl
Type strain:	No
Risk group:	No
Source of isolation:	Mountain-meadow soil, Aragats, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Produces right- and left-rotating colonies depending on conditions of cultivation
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 3800
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. HF-1
Type strain:	No
Risk group:	No
Source of isolation:	Gnu excrete, Armenia
Growth condition:	Medium 12, 37°C
Metabolite production:	
Additional properties:	Halophilic, growth on media with 17% NaCl
References:	5, 19, 55
Form of supply:	Actively growing culture

Name of strain:	***Bacillus mycoides*** Flügge 1886 emend. Liu et al. 2018
MDC number:	MDC 3824
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. HF-262-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 12, 37°C
Metabolite production:	
Additional properties:	Halophilic, growth on media with17% NaCl
References:	5, 19, 55
Form of supply:	Actively growing culture

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 15919
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. 14-1-2 p
Type strain:	No
Risk group:	No
Source of isolation:	Soil with shoot and leaves, silkworm rearing farm, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 15925
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. MI 14-3-1 p
Type strain:	No
Risk group:	No
Source of isolation:	Soil with shoot and leaves, silkworm rearing house, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 15976
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. MI 2-1-1 p/k
Type strain:	No
Risk group:	No
Source of isolation:	Soil (garbage), silkworm rearing farm, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	Produces right-rotating colonies
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 15978
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. MI 2-1-3 p/k
Type strain:	No
Risk group:	No
Source of isolation:	Soil (garbage), silkworm rearing farm, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 15982
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. MI 2-3-5 p/k
Type strain:	No
Risk group:	No
Source of isolation:	Soil (garbage), silkworm rearing farm, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 15984
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. MI 2-3-6 p/k
Type strain:	No
Risk group:	No
Source of isolation:	Soil (garbage), silkworm rearing farm, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 16001
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. MI 3-5-1 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing farm, Telavi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 16026
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. MI 14-13-1 p
Type strain:	No
Risk group:	No
Source of isolation:	Soil with shoot and leaves, silkworm rearing farm, Samtredia, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 16030
Other collection number:	
Synonym:	*Bacillus cereus var. mycoides* (Flügge) Smith, Gordon et Clark 1946
History:	<- MDC <- INMIA, str. MI 15-18-3 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing house, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 16228
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 11-12 N
Type strain:	No
Risk group:	No
Source of isolation:	Owlet moth, *Lepidoptera*, *Noctuidae*, Ust-Labinsky district, Knasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 16233
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 11-8 N
Type strain:	No
Risk group:	No
Source of isolation:	Owlet moth, *Lepidoptera*, *Noctuidae*, Ust-Labinsky district, Knasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 16267
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. N 5-4-2
Type strain:	No
Risk group:	No
Source of isolation:	Wheat shield bug, *Hemiptera-Heteroptera*, *Eurygaster austriaca* Schr., Seversky district, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 16288
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. N 8-10-1
Type strain:	No
Risk group:	No
Source of isolation:	Lacehopper, *Homoptera*, *Cixius nevosus* L., Sea-coast, Gulkevichsky district, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	Produces left-rotating colonies
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 16308
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. N 5-1-1
Type strain:	No
Risk group:	No
Source of isolation:	Wheat shield, *Hemiptera-Heteroptera*, *Eurygaster austriaca* Schr., Forest, Seversky district, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus mycoides*** Flügge 1886
MDC number:	MDC 16316
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. PJ-20-2
Type strain:	No
Risk group:	No
Source of isolation:	Mole cricket, *Orthoptera*, *Gryllotalpa gryllotalpa* L., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus pumilus*** Meyer et Gottheil 1901
MDC number:	MDC 3322
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-236-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Obligative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus pumilus*** Meyer et Gottheil 1901
MDC number:	MDC 3333
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-243-3
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus pumilus*** Meyer et Gottheil 1901
MDC number:	MDC 3343
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-254-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus pumilus*** Meyer et Gottheil 1901
MDC number:	MDC 3349
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-257-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus pumilus*** Meyer et Gottheil 1901
MDC number:	MDC 3352
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-260-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus pumilus*** Meyer et Gottheil 1901
MDC number:	MDC 3354
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-261-3
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus pumilus*** Meyer et Gottheil 1901
MDC number:	MDC 4184
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-1088b
Type strain:	No
Risk group:	No
Source of isolation:	Synthetic polymer, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus pumilus*** Meyer et Gottheil 1901
MDC number:	MDC 4268
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-118
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces aspartase
Additional properties:	Facultative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus* sp.**
MDC number:	MDC 15931
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 17 N
Type strain:	No
Risk group:	No
Source of isolation:	Flea beetle, *Coleoptera*, *Alticinae*, non-identified, species, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus* sp.**
MDC number:	MDC 16036
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 29-1 N
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Arctiidae*, non-identified species, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus* sp.**
MDC number:	MDC 16039
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 35 N
Type strain:	No
Risk group:	No
Source of isolation:	*Orthoptera*, non-identified species, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus* sp.**
MDC number:	MDC 16040
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 36-1 N
Type strain:	No
Risk group:	No
Source of isolation:	Chafer, *Coleoptera*, *Cetonidae*, non-identified species, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus* sp.**
MDC number:	MDC 16067
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. PJ 95-1
Type strain:	No
Risk group:	No
Source of isolation:	Tick, *Acarina*, non-identified species, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 3001
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 8k
Type strain:	No
Risk group:	No
Source of isolation:	Macerated potato
Growth condition:	Medium 6, 30°C
Metabolite production:	Produces α-amylase
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 3223
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-86
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 3224
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-87
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 3225
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-88
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 3226
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-89
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 3227
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-90
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 3229
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-94
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 3235
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-105-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 3240
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-119
Type strain:	No
Risk group:	No
Source of isolation:	Mountainous xerophyte, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 3256
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-146
Type strain:	No
Risk group:	No
Source of isolation:	Forest soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 5, 19
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 3313
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-1095b2
Type strain:	No
Risk group:	No
Source of isolation:	Synthetic polymer, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 4180
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-1047b
Type strain:	No
Risk group:	No
Source of isolation:	Synthetic polymer, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 4388
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-258
Type strain:	No
Risk group:	No
Source of isolation:	Black soil (czernozyom), Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 10831
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1k
Type strain:	No
Risk group:	No
Source of isolation:	Macerated potato, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	Produces α-amylase
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 10832
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 3k
Type strain:	No
Risk group:	No
Source of isolation:	Macerated potato, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	Produces α-amylase
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus subtilis*** (Ehrenberg 1835) Cohn 1872
MDC number:	MDC 10833
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 22 k
Type strain:	No
Risk group:	No
Source of isolation:	Macerated potato, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	Produces α-amylase
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 608
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 608. Identified serologically as *Bacillus thuringiensis* ssp. *sotto-dendrolimus* (Ishiwata 1901, Talalaev 1956) Heimpel et Angus 1958, ssp. H4
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 24, 27, 28
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 647
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 647. Identified serologically as *Bacillus thuringiensis* ssp. *thuringiensis* (Berliner 1915) Heimpel et Angus 1958, ssp. H1
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin and thermostable exotoxin
Additional properties:	
References:	5, 7, 11, 24, 25
Form of supply:	Actively growing culture,dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 657
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 657. Identified serologically as *Bacillus thuringiensis* ssp. *sotto-dendrolimus* (Ishiwata 1901, Talalaev 1956) Heimpel et Angus 1958, ssp. H4
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 24, 27, 28
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 730
Other collection number:	CCEB-208
Synonym:	
History:	<- MDC <- INMIA <- Lysenko O., CCEB
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces entomocide δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 825
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 10-1. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	*Ips sexdentatus* Boern., Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 850
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 850. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	*Morus*, Armenia
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 851
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 851. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 860
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 860. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 871
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 871. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 874
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 874. Identified serologically as *Bacillus thuringiensis* ssp. *israelensis* (Goldberg et Margalit 1977) de Barjac 1978, ssp. H14(B)
Type strain:	No
Risk group:	No
Source of isolation:	*Morus*, Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces culicide endotoxin
Additional properties:	
References:	5, 11, 12, 13, 14,15
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 880
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 880. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 881
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 881. Identified serologically as *Bacillus thuringiensis* ssp. *indiana* de Lucca, Simonson et Larson 1979, ssp. H16 (A)
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 39, 14, 15
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 883
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 883. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 884
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 884. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 889
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 889. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 890
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 890. Identified serologically as *Bacillus thuringiensis* ssp. *alesti* (Toumanoff et Vago 1951) Heimpel et Angus 1958, ssp. H3a
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 7, 11, 24, 25, 26
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 903
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 903. Identified serologically as *Bacillus thuringiensis* ssp. *indiana* de Lucca, Simonson et Larson 1979, ssp. H16 (A)
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 14, 15, 39
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 905
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 905. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 913
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 913. Identified serologically as *Bacillus thuringiensis* ssp. *israelensis* (Goldberg et Margalit 1977) de Barjac 1978, ssp. H14(B)
Type strain:	No
Risk group:	No
Source of isolation:	*Morus* leaf, Armenia
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces culicide endotoxin
Additional properties:	
References:	12, 13
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 914
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 914. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Morus* leaf, Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 915
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 915. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Morus* leaf, Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 919
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 919. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 921
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 921. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 922
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 922. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 924
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 924. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 925
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 925. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Georgia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 25, 40
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 926
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 926. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Georgia
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 40
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 957
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 957. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Georgia
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 40
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 958
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 958. Identified serologically as *Bacillus thuringiensis* ssp. *sotto-dendrolimus* (Ishiwata 1901, Talalaev 1956) Heimpel et Angus 1958, ssp. H4
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 24, 27, 28
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1036
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA <- Angus T.A. Canada, 562-6A. Identified serologically as *Bacillus thuringiensis* ssp. *thuringiensis* (Berliner 1915) Heimpel et Angus 1958, ssp. H1
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin and thermostable exotoxin
Additional properties:	
References:	5, 7, 11, 24
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1060
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1060
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces entomocide δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1061
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1061
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces entomocide δ-endotoxin
Additional properties:	Non-serotyping by serums of serovars H1-H21
References:	5, 11, 37
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1063
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. Identified serologically as *Bacillus thuringiensis* ssp. *sotto-dendrolimus* (Ishiwata 1901, Talalaev 1956) Heimpel et Angus 1958, ssp. H4
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 24, 27, 28
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1071
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA<- Chemical factory, Berdsk, 63-11, Russia. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1079
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1079. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Homoptera*, *Porphyrophora hamelii* Brundt., Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 25, 40
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1110
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA str.1110. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	*Coleoptera, Phitonomus*, Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1111
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1111. Identified serologically as *Bacillus thuringiensis* ssp. *israelensis* (Goldberg et Margalit 1977) de Barjac 1978, ssp. H14(B)
Type strain:	No
Risk group:	No
Source of isolation:	*Coleoptera, Phytonomus*, Armenia
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces culicide endotoxin
Additional properties:	
References:	12, 13
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1112
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1112. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1113
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA str.1113. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Coleoptra, Phytonomus*, Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 25, 40
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1122
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA <- de Barjac H., Inst. Pasteur, 41-1966 - Lfl.EM4 <- O.M.Morris, Canada. Identified serologically as *Bacillus thuringiensis* ssp. *canadensis* de Barjac et Bonnefoi 1972, ssp. H5a 5c
Type strain:	Yes
Risk group:	No
Source of isolation:	*Coleoptera, Melolontha* Fabr.
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 69
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1128
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1128. Identified serologically as *Bacillus thuringiensis* ssp. *indiana* de Lucca, Simonson et Larson 1979, ssp. H16 (A)
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera, Bombyx mori* L., Armenia
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 14, 15, 39
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1130
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1130. Identified serologically as *Bacillus thuringiensis* ssp. *israelensis* (Goldberg et Margalit 1977) de Barjac 1978, ssp. H14(B)
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera, Bombyx mori* L., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces culicide endotoxin
Additional properties:	
References:	5, 11, 12, 13
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1131
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1131. Identified serologically as *Bacillus thuringiensis* ssp. *sotto-dendrolimus* (Ishiwata 1901, Talalaev 1956) Heimpel et Angus 1958, ssp. H4
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera, Bombyx mori* L., Karnataka, India
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 24, 27, 28
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1132
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1132. Identified serologically as *Bacillus thuringiensis* ssp. *sotto-dendrolimus* (Ishiwata 1901, Talalaev 1956) Heimpel et Angus 1958, ssp. H4
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera, Bombyx mori L.*, Bangalor, India
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 24, 27, 28
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1133
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA <- Chilingarian V.A., ArmNIIZR <- VNIISKhM, 17-2. Identified serologically as *Bacillus thuringiensis* ssp. *thuringiensis* (Berliner 1915) Heimpel et Angus 1958, ssp. H1
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Media 6, 19, 28-30°C
Metabolite production:	Produces endotoxin and thermostable exotoxin
Additional properties:	
References:	5, 7, 11, 24
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1134
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA <- Chilingarian V.A., ArmNIIZR <- VNIISKhM, 66. Identified serologically as *Bacillus thuringiensis* ssp. *thuringiensis* (Berliner 1915) Heimpel et Angus 1958, ssp. H1
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Media 6, 19, 28-30°
Metabolite production:	Produces endotoxin and thermostable exotoxin
Additional properties:	
References:	5, 7, 11, 24
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1136
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA <- Chilingarian V.A., ArmNIIZR <- VNIISKhM, 100-1. Identified serologically as *Bacillus thuringiensis* ssp. *thuringiensis* (Berliner 1915) Heimpel et Angus 1958, ssp. H1
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Media 6, 19, 28-30°
Metabolite production:	Produces endotoxin and thermostable exotoxin
Additional properties:	
References:	5, 7, 11, 24
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1146
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 41K. Identified serologically as *Bacillus thuringiensis* ssp. *israelensis* (Goldberg et Margalit 1977) de Barjac 1978, ssp. H14(B)
Type strain:	No
Risk group:	No
Source of isolation:	Mosquito, *Diptera*, *Aedes aegypti* L., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces culicide endotoxin
Additional properties:	
References:	5, 11, 12, 13
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1148
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 150. Identified serologically as *Bacillus thuringiensis* ssp. *israelensis* (Goldberg et Margalit 1977) de Barjac 1978, ssp. H14(B)
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified insect, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces culicide endotoxin
Additional properties:	
References:	5, 11, 12, 13
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1151
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 157. Identified serologically as *Bacillus thuringiensis* ssp. *israelensis* (Goldberg et Margalit 1977) de Barjac 1978, ssp. H14(B)
Type strain:	No
Risk group:	No
Source of isolation:	*Diptera*, *Tabanidae* larvae, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces culicide endotoxin
Additional properties:	
References:	5, 11, 12, 13, 14, 15
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1160
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 185. Identified serologically as *Bacillus thuringiensis* ssp. *israelensis* (Goldberg et Margalit 1977) de Barjac 1978, ssp. H14(B)
Type strain:	No
Risk group:	No
Source of isolation:	Fox-coloured sawfly, *Hymenoptera*, *Neodiprion sertifier* Geoffr., Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces culicide endotoxin
Additional properties:	
References:	5, 11, 12, 13, 14, 15
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1209
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Mysor city, India
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces entomocide δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1227
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA <- Burtceva L.I., 157
Type strain:	No
Risk group:	No
Source of isolation:	*Malus pallasiana* Juz.
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1229
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1229. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., dead macerated track, Karnataka, India
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1231
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1231. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	Shrubbery, Karnataka, India
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1232
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1232. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	Soil, *Morus*, Karnataka, India
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1234
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1234. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	Soil, *Morus*, Karnataka, India
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1235
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1235
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Bangalor, India
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1236
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1236
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, Bombyx *mori* L., Bangalor, India
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1237
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1237
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, Bombyx *mori* L., Bangalor, India
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1238
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1238
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Karnataka, India
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1239
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1239
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori L.*, Karnataka, India
Growth condition:	(Medium 3, Burtseva), 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1240
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1240
Type strain:	No
Risk group:	No
Source of isolation:	*Morus*, Mysor city, India
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1241
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1241
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Bombyx mori* L., Mysor city, India
Growth condition:	Medium 19, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 1246
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1246
Type strain:	No
Risk group:	No
Source of isolation:	Soil, *Morus*, Talaga, India
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Non-serotyping by serums of serovars H1-H21
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2250
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-1. Identified serologically as *Bacillus thuringiensis* ssp. *sotto* (Ishiwata 1901, Talalaev 1956) Heimpel et Angus 1958, ssp. H4a 4b
Type strain:	No
Risk group:	No
Source of isolation:	Dark sword grass moth, *Lepidoptera*, *Agrotis ypsilon* Pott., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 24, 27, 28
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2255
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-5-1. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Scotia ipsilon* Hufn., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2258
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-12-2. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10a 10b
Type strain:	No
Risk group:	No
Source of isolation:	Turnip moth, *Lepidoptera*, *Agrotis segetum* Schiff., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 40
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2261
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-32. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	European grape moth, *Lepidoptera*, *Polychrosis botrana* Schiff., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2264
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-35. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10a 10b
Type strain:	No
Risk group:	No
Source of isolation:	Codling moth parasite, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 40
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2266
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-38. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10a 10b
Type strain:	No
Risk group:	No
Source of isolation:	Apple ermine, *Lepidoptera*, *Hyponomeuta malinellus* Zell., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 40
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2270
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-45. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10a 10b
Type strain:	No
Risk group:	No
Source of isolation:	Cabbage moth, *Lepidoptera*, *Mamestra brassicae* L., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 40
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2274
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-55. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10a 10b
Type strain:	No
Risk group:	No
Source of isolation:	Codling moth parasite, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 11, 40
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2275
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-58. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10a 10b
Type strain:	No
Risk group:	No
Source of isolation:	Codling moth parasite, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 11, 40
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2277
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-62. Identified serologically as *Bacillus thuringiensis* ssp. *sotto* (Ishiwata 1901, Talalaev 1956) Heimpel et Angus 1958, ssp. H4a 4b
Type strain:	No
Risk group:	No
Source of isolation:	Apple ermine, *Lepidoptera*, *Hyponomeuda malinellus* Zell., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 24, 27
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2278
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-65. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	Codling moth parasite, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 29, 38
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2281
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-71. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10a 10b
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified insect, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 40
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2284
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-74. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10a 10b
Type strain:	No
Risk group:	No
Source of isolation:	Codling moth parasite, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 40
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2291
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-113. Identified serologically as *Bacillus thuringiensis* ssp. *alesti* (Toumanoff et Vago 1951) Heimpel et Angus 1958, ssp. H3a
Type strain:	No
Risk group:	No
Source of isolation:	European grape moth, *Lepidoptera*, *Lobesia botrana* D. et Schiff.
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 7, 11 24, 26
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2293
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-131
Type strain:	No
Risk group:	No
Source of isolation:	*Coleoptera, Leptinotarsa decemlineata* Say, dead larvae, Chernigov, Ukraine
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Non-serotyping by serums of serovars H1-H21
References:	5, 11, 37
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2295
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-134
Type strain:	No
Risk group:	No
Source of isolation:	*Coleoptera, Leptinotarsa decemlineata* Say, dead larvae, Chernigov, Ukraine
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Non-serotyping by serums of serovars H1-H21
References:	5, 11, 37
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2301
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-145
Type strain:	No
Risk group:	No
Source of isolation:	*Diptera*, *Tabanus* L.
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Non-serotyping by serums of serovars H1-H21
References:	5, 11, 37
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2302
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-146
Type strain:	No
Risk group:	No
Source of isolation:	*Diptera*, *Tabanus* L.
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Non-serotyping by serums of serovars H1-H21
References:	5, 11, 37
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2322
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T 8-1
Type strain:	No
Risk group:	No
Source of isolation:	Turnip moth, *Lepidoptera*, *Agrotis segetum* Schiff., Ukraine
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Non-serotyping by serums of serovars H1-H21
References:	5, 11, 37
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2331
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-173
Type strain:	No
Risk group:	No
Source of isolation:	Mosquito, *Diptera*, *Aedes stramineus* L., larvae, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2334
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. B-4
Type strain:	No
Risk group:	No
Source of isolation:	Bark bug, *Hemiptera- Heteroptera*, *Aradus cinnamomeus* Panz., Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 67, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2336
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. B-6
Type strain:	No
Risk group:	No
Source of isolation:	Bark bug, *Hemiptera- Heteroptera*, *Aradus cinnamomeus* Panz., Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 67, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2349
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-207
Type strain:	No
Risk group:	No
Source of isolation:	Bark bug, *Hemiptera- Heteroptera*, *Aradus cinnamomeus* Panz., Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2350
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-215
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified insect, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2358
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-74. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10a 10b
Type strain:	No
Risk group:	No
Source of isolation:	Rodents flea, Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 40
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2360
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-1664
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2364
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA str.608. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10a 10b
Type strain:	No
Risk group:	No
Source of isolation:	Rodents flea, Stavropol, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 40
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2372
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 117
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Neopsylla setosa*, Stavropol, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 67, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2373
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2373
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Neopsylla setosa*, Stavropol, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2390
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2390
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Citellophilus tesquorum* (Wagner, 1898), Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2397
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2397
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Citellophilus tesquorum* (Wagner, 1898), Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2403
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2403
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Citellophilus tesquorum* (Wagner, 1898), Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2426
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2426
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Citellophilus tesquorum* (Wagner, 1898), Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2427
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2427
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Neopsylla setosa*, Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2432
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2432
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Neopsylla setosa*, Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2433
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-89
Type strain:	No
Risk group:	No
Source of isolation:	Turnip moth, *Lepidoptera*, *Agrotis segetum* Schiff. track, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 67, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2438
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 309
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Citellophilus tesquorum* (Wagner, 1898), Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 67, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2439
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2439
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Neopsylla setosa*, Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2444
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 83
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Neopsylla setosa*, Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 67, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2450
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 279(b)
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Citellophilus tesquorum* (Wagner, 1898), Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 67, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2452
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 707
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Citellophilus tesquorum* (Wagner, 1898), Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 67, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2475
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-227. Identified serologically as *Bacillus thuringiensis* ssp. *israelensis* (Goldberg et Margalit 1977) de Barjac 1978, ssp. H14(A)
Type strain:	No
Risk group:	No
Source of isolation:	Butterfly larva, *Lepidoptera*, Ukraine
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces culicide endotoxin
Additional properties:	
References:	12, 13, 66, 70
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2477
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-268. Identified serologically as *Bacillus thuringiensis* ssp. *israelensis* (Goldberg et Margalit 1977) de Barjac 1978, ssp. H14(A)
Type strain:	No
Risk group:	No
Source of isolation:	Winter moth, *Lepidoptera*, *Operoptera brumata* L., Lithuania
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces culicide endotoxin
Additional properties:	Producer of larvicid preparation "BLP"
References:	12, 13, 66, 70
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2478
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-273. Identified serologically as *Bacillus thuringiensis* ssp. *israelensis* (Goldberg et Margalit 1977) de Barjac 1978, ssp. H14(A)
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Tortricidae*, Lithuania
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces culicide endotoxin
Additional properties:	
References:	12, 13, 66, 70
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2481
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2481
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Ctenophthalmus wagneri*, Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2482
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2482
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Ctenophthalmus wagneri*, Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2486
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2486
Type strain:	No
Risk group:	No
Source of isolation:	Rodent fleas, *Neopsylla setosa*, Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2488
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-294
Type strain:	No
Risk group:	No
Source of isolation:	Colorado potato beetle, *Coleoptera*, *Leptinotarsa decemlineata* Say, dead larvae, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2489
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-295
Type strain:	No
Risk group:	No
Source of isolation:	Dead Colorado potato beetle, *Leptinotarsa decemlineata* Say, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2490
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-296
Type strain:	No
Risk group:	No
Source of isolation:	Dead Colorado potato beetle, *Leptinotarsa decemlineata* Say, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2491
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-297
Type strain:	No
Risk group:	No
Source of isolation:	Colorado potato beetle, dead larvae, *Coleoptera*, *Leptinotarsa decemlineata* Say, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2493
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-302
Type strain:	No
Risk group:	No
Source of isolation:	Colorado potato beetle, larvae, *Coleoptera*, *Leptinotarsa decemlineata* Say, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2497
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-317
Type strain:	No
Risk group:	No
Source of isolation:	Trees bark, Mongolia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 67, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2499
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-319
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Mongolia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 67, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2501
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-322
Type strain:	No
Risk group:	No
Source of isolation:	Cabbage moth, *Lepidoptera*, *Mamestra brassicae* L., dead track, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 67, 68
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2521
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-346
Type strain:	No
Risk group:	No
Source of isolation:	Mosquito larvae, Tumen district, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2540
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-372
Type strain:	No
Risk group:	No
Source of isolation:	Turnip moth**,** *Scotia segetum* Schiff. *(Agrotis segetum* Schiff.), dead pupae, Ukraine
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2542
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2542
Type strain:	No
Risk group:	No
Source of isolation:	Bee moth, *Lepidoptera, Galleriae melonella* L., Saransk, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2544
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2544
Type strain:	No
Risk group:	No
Source of isolation:	Diamond-back moth, *Lepidoptera, Plutella maculipennis* Curt., Saransk, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2549
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2549
Type strain:	No
Risk group:	No
Source of isolation:	Diamond-back moth, *Lepidoptera, Plutella maculipennis* Curt., Saransk, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2552
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-375
Type strain:	No
Risk group:	No
Source of isolation:	Codling moth, *Lepidoptera*, *Carpocapsa pomonella* L., Lithuania
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2553
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-379
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified insect, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2554
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-380
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified species, *Tortricidae*, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2556
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-382
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2557
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-383
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified insect, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2560
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-393
Type strain:	No
Risk group:	No
Source of isolation:	Dead beetle, Odessa, Ukraine
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2662
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-1. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10a 10b
Type strain:	No
Risk group:	No
Source of isolation:	Oak variegated longhorn, *Coleoptera*, *Plagionotus arcuatus* L., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 40
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2663
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-3. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Forficula auricularia L.*, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2664
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-8
Type strain:	No
Risk group:	No
Source of isolation:	Alfalfa plant bug, *Hemiptera- Heteroptera, Piezodorus lituratus* F., Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin. Produces red pigment
Additional properties:	Non-serotyping by serums of serovars H1-H23. Insecticide activity against *Aedes aegypti* L.
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2668
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-21. Identified serologically as *Bacillus thuringiensis* ssp. *darmstadiensis* Krieg, de Barjac et Bonnefoi 1968, ssp. H10a 10b
Type strain:	No
Risk group:	No
Source of isolation:	Honey bee, *Hymenoptera, Apis mellifera* L., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 11, 40
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2669
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-26. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	*Coleoptera, Carabus,* Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2670
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-27. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	*Coleoptera, Leptinotarsa decemlineata* Say, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 25, 29, 38
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2671
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-29. Identified serologically as *Bacillus thuringiensis* ssp. *galleriae* Schwetzova, Isakova 1958, ssp. H5
Type strain:	No
Risk group:	No
Source of isolation:	Parrot excrete, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 25, 29, 38
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2673
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-34. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	Confused flour beetle, *Coleoptera, Tribolium confusum* Duv., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2674
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-38. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	Cereal leaf beetle, *Coleoptera, Lema melanopus* L., Krasnodar, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2675
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-47-2. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	Silver pheasant excrete, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2678
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-64-1. Identified serologically as *Bacillus thuringiensis* ssp. *caucasicus* Afrikian et Chil-Hakobian 1968, ssp. H10
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified insect, Krasnodar, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 31, 32, 34
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2679
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-62
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified insect, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2681
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-40
Type strain:	No
Risk group:	No
Source of isolation:	Sunn pest, *Hemiptera- Heteroptera*, *Eurygaster intergriceps* Put, Krasnodarsk region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2683
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. J-2
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified insect, Odessa, Ukraine
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Non-serotyping by antiserums of serovars H1-H23
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2686
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-72
Type strain:	No
Risk group:	No
Source of isolation:	Golden pheasant excrete, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2688
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-94
Type strain:	No
Risk group:	No
Source of isolation:	Peacock excrete, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2689
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-119
Type strain:	No
Risk group:	No
Source of isolation:	Red duck excrete, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Parasporal inclusions connected to spore
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2691
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-127
Type strain:	No
Risk group:	No
Source of isolation:	*Hymenoptera*, *Bombidae*, Kirghizia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2693
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-135-1
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified insect, Tadzhikistan
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2694
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-136
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified insect, Tadzhikistan
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2695
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-137-1
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified insect, Tadzhikistan
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2696
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-156
Type strain:	No
Risk group:	No
Source of isolation:	Pine moth, *Lepidoptera*, *Dendrolimus pini* L., Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2697
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-160
Type strain:	No
Risk group:	No
Source of isolation:	Colorado potato beetle, *Coleoptera, Leptinotarsa decemlineata* Say, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Virulent to *Aedes aegypti* L.
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2698
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-168
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera, Tinea granella* L., Krasnodar, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Virulent to *Bombyx mori* L.
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2699
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-176-1
Type strain:	No
Risk group:	No
Source of isolation:	Cereal leaf beetle, *Coleoptera*, *Lema melanopus* L., Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2700
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-183-1
Type strain:	No
Risk group:	No
Source of isolation:	*Coleoptera, Curculionidae*, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Virulent to potato beetle larvae
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2704
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. J-1
Type strain:	No
Risk group:	No
Source of isolation:	Alfalfa plant bug, *Hemiptera- Heteroptera*, *Adelphocoris lineolatus* G., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Non-serotyping by antiserums of serovars H1-H23
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2705
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-17
Type strain:	No
Risk group:	No
Source of isolation:	Dead bees, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Non-serotyping by antiserums of serovars H1-H23
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2706
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-37-3
Type strain:	No
Risk group:	No
Source of isolation:	Colorado potato beetle, *Coleoptera, Leptinotarsa decemlineata* Say, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Non-serotyping by antiserums of serovars H1-H23
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2732
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-61
Type strain:	No
Risk group:	No
Source of isolation:	Flour beetle, *Coleoptera, Tenebrio molitor* L., Krasnodar, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Virulent to *Aedes aegypti* L.
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2744
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-109
Type strain:	No
Risk group:	No
Source of isolation:	Perching duck excrete, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2754
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-144
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified insect, Tadzhikistan
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	Atypical parasporal inclusions, bulging cells
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2767
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-206-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Bulgaria
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2779
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-28
Type strain:	No
Risk group:	No
Source of isolation:	Parrot excrete, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2780
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-86
Type strain:	No
Risk group:	No
Source of isolation:	Eagle-owl excrete, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces δ-endotoxin
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2837
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. C-9. Identified serologically as *Bacillus thuringiensis* ssp. *sotto* (Ishiwata 1901, Talalaev 1956) Heimpel et Angus 1958, ssp. H4a 4b
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Mongolia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	5, 7, 11, 24, 27, 71
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 2869
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. B-297. Identified serologically as *Bacillus thuringiensis* ssp. *sotto* (Ishiwata 1901, Talalaev 1956) Heimpel et Angus 1958, ssp. H4a 4b
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	*Lepidoptera*, *Tortricidae*, Lithuania
References:	5, 7, 11, 24, 27, 71
Form of supply:	Actively growing culture

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15724
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 15-4-2 p
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Megri, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15725
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 15-5-1p
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Megri, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15746
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. PJ-435-4
Type strain:	No
Risk group:	No
Source of isolation:	Poplar hawk moth, *Lepidoptera*, *Amorpha populi* L., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15749
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 68-2 N
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm eggs, *Lepidoptera*, *Bombyx mori* L., Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15750
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 295 N
Type strain:	No
Risk group:	No
Source of isolation:	Oriental cockroach, *Blattodea*, *Blatta orientalis* L., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15752
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 1-1-1 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing farm, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15759
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 1-2-4 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing farm, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15762
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 1-3-1 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing farm, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15783
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 1-9-5 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing farm, Kutaisi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15787
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 6-1-8-1 p
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Kapan, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15797
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 9-8-1 p
Type strain:	No
Risk group:	No
Source of isolation:	Soil with leaves, Kapan, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15802
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 11-1-2 p
Type strain:	No
Risk group:	No
Source of isolation:	Soil with shoot and leaves, Kapan, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15809
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 13-3-2-1 p
Type strain:	No
Risk group:	No
Source of isolation:	Soil, silkworm rearing farm, Kutaisi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15819
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 15-14-2 p
Type strain:	No
Risk group:	No
Source of isolation:	Soil, silkworm rearing farm, Kutaisi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15820
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 768 N
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, non-identified species, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15822
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 23-30 Sht.
Type strain:	No
Risk group:	No
Source of isolation:	Mosquito, *Diptera*, non-identified species, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15823
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 101-1 N
Type strain:	No
Risk group:	No
Source of isolation:	Tortrix moth, *Lepidoptera*, *Simaethis pariana* Cl., Lithuania
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15827
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 147 N
Type strain:	No
Risk group:	No
Source of isolation:	Winter moth, *Lepidoptera*, *Operophtera brumata* L., Lithuania
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15828
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 150-1 N
Type strain:	No
Risk group:	No
Source of isolation:	Tortrix moth, *Lepidoptera*, *Tortricidae*, non-identified species, Lithuania
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15830
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 88-1 N
Type strain:	No
Risk group:	No
Source of isolation:	Tortrix moth, *Lepidoptera*, *Tortricidae*, non-identified species, Lithuania
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15874
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 11-2-2 p
Type strain:	No
Risk group:	No
Source of isolation:	Soil with shoot and leaves, silkworm rearing farm, Samtredia, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15875
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 3-5-12 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing house, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15881
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 3-7-10 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing house, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15885
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 3-8-7 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing house, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15889
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 4-1-3 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing house, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15897
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 4-4-1 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing house, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15905
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 4-5-5 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing house, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15906
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 4-6-3 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing house, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15907
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 4-7-5 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing house, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15910
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 4-10-5 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing house, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15911
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 4-11-2-1 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing house, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15914
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 4-14-3 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing house, Samtredia, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15918
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 11-7-1 p
Type strain:	No
Risk group:	No
Source of isolation:	Soil with shoot and leaves, silkworm rearing house, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15927
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 15-14 p
Type strain:	No
Risk group:	No
Source of isolation:	Soil, silkworm rearing house, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15929
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 1 N
Type strain:	No
Risk group:	No
Source of isolation:	*Coleoptera*, *Oxythyrea cinctella* Schaum, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15930
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 8 N
Type strain:	No
Risk group:	No
Source of isolation:	Chafer, *Coleoptera*, *Cetonia* sp., non-identified species, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15935
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 19-2 N
Type strain:	No
Risk group:	No
Source of isolation:	Gold wasp, *Coleoptera, Nitidulidae*, non-identified species, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15936
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 21 N
Type strain:	No
Risk group:	No
Source of isolation:	Longhorn beetle, *Coleoptera*, *Cerambycidae*, non-identified species, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15941
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 37 N
Type strain:	No
Risk group:	No
Source of isolation:	Dung beetle, *Coleoptera*, *Scarabaeidae*, non-identified species, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15952
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 1-1 N
Type strain:	No
Risk group:	No
Source of isolation:	*Coleoptera, Oxythyrea cinctella* Schaum, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15983
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 2-3-5 p/k
Type strain:	No
Risk group:	No
Source of isolation:	Soil (garbage), silkworm rearing farm, Sachkhere, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15985
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 2-4-1 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing farm, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 15993
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 2-5-1 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, silkworm rearing farm, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16002
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 4-5-7 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., silkworm rearing farm, Telavi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16005
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 5-8-3 p
Type strain:	No
Risk group:	No
Source of isolation:	Soil, silkworm rearing farm, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16012
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 6-2-1 N
Type strain:	No
Risk group:	No
Source of isolation:	Red turnip beetle, *Coleoptera, Entomoscelis adonidis* Pall., Samtredia, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16023
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 11 N
Type strain:	No
Risk group:	No
Source of isolation:	Oily blister beetle, *Coleoptera*, *Meloidae*, non-identified species, Samtredia, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16035
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 26 N
Type strain:	No
Risk group:	No
Source of isolation:	Ladybird, *Coleoptera*, *Coccinellidae*, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16037
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. MI 29-2 N
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Arctiidae*, non-identified species, Iran
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16047
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. Sh.24,12
Type strain:	No
Risk group:	No
Source of isolation:	Tortrix moth, *Lepidoptera*, *Tortricidae*, non-identified species, Lithuania
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16059
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. Sh.32, 290
Type strain:	No
Risk group:	No
Source of isolation:	Hawk-moth, *Lepidoptera*, non-identified species, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16060
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. Sh.32, 415
Type strain:	No
Risk group:	No
Source of isolation:	Striped bug, *Hemiptera-Heteroptera*, *Graphosoma italicum* Mull., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16072
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. PJ 321-1
Type strain:	No
Risk group:	No
Source of isolation:	Coleopterous, *Coleoptera*, non-identified species, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16084
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. G 2-1 N
Type strain:	No
Risk group:	No
Source of isolation:	Wheat cockchafer, *Coleoptera*, *Anisoplia austriaca* Hbst., Tbilisi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16086
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. G 3 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm (pupa), *Lepidoptera*, *Bombyx mori* L., Silkworm rearing house, Tbilisi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16087
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. G 17 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm (pupa), *Lepidoptera*, *Bombyx mori* L., Silkworm rearing house, Tbilisi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16088
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. G 40 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm (pupa), *Lepidoptera*, *Bombyx mori* L., Silkworm rearing house, Tbilisi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16089
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. G 40 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm (pupa), *Lepidoptera*, *Bombyx mori* L., Silkworm rearing house, Tbilisi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16090
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. G 58 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm (pupa), *Lepidoptera*, *Bombyx mori* L., Silkworm rearing house, Tbilisi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16094
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. Kut-49-1 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm (pupa), *Lepidoptera*, *Bombyx mori* L., Silkworm rearing house, Kutaisi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16095
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. Kut-94 k
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm (pupa), *Lepidoptera*, *Bombyx mori* L., Silkworm rearing house, Kutaisi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16097
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. Tg-34
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm (larvae), *Lepidoptera*, *Bombyx mori* L., Silkworm rearing house, Tbilisi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16098
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. Tg-39
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm (larvae), *Lepidoptera*, *Bombyx mori* L., Silkworm rearing house, Tbilisi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16100
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. Tg-55
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm (larvae), *Lepidoptera*, *Bombyx mori* L., Silkworm rearing house, Tbilisi, Georgia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16207
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1-12-2 N
Type strain:	No
Risk group:	No
Source of isolation:	Striped bug, *Hemiptera-Heteroptera*, *Graphosoma italicum* Mull., Novokubansk district, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16208
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 11-5-1 N
Type strain:	No
Risk group:	No
Source of isolation:	Owlet moth, *Lepidoptera*, *Noctuidae*, Ust-Labinsky district, Knasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16209
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1-7-1 N
Type strain:	No
Risk group:	No
Source of isolation:	Bug, striped, *Hemiptera-Heteroptera, Graphosoma italicum* Mull., Novokubansk district, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16211
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1-4-1 N
Type strain:	No
Risk group:	No
Source of isolation:	Bug, striped, *Hemiptera-Heteroptera*, *Graphosoma italicum* Mull., Novokubansk district, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16219
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1-23 N
Type strain:	No
Risk group:	No
Source of isolation:	Red spotted bug, *Hemiptera-Heteroptera*, *Lygaeus equestris* L., Novokubansk district, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16222
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1-28
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., summer rearing, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16224
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 2-6
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L., summer rearing, Alexandrovsky district, Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16227
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 3-9
Type strain:	No
Risk group:	No
Source of isolation:	Silkworm pupa, *Lepidoptera*, *Bombyx mori* L. spring rearing, Predgorny district, Stavropol region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16231
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 1-23 N
Type strain:	No
Risk group:	No
Source of isolation:	Red spotted bug, *Hemiptera-Heteroptera*, *Lygaeus equestris* L., Novokubansk district, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16252
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 11-13 N
Type strain:	No
Risk group:	No
Source of isolation:	Owlet moth, *Lepidoptera*, *Noctuidae*, Ust-Labinsky district, Knasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16262
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. N 2-1-3
Type strain:	No
Risk group:	No
Source of isolation:	Dictypharid planthopper, *Hemiptera-Heteroptera*, *Dyctiopharidae*, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16264
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. N 3-9
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, non-identified species, Roadside tree belt, Kamensky district, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16284
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. N 5-4-3
Type strain:	No
Risk group:	No
Source of isolation:	Wheat shield bug, *Hemiptera-Heteroptera*, *Eurygaster austriaca* Schr., Seversky district, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16292
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. N 8-8-3
Type strain:	No
Risk group:	No
Source of isolation:	Lacehopper, *Homoptera*, *Cixius nevosus* L., Sea-coast, Gulkevichsky district, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16296
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. N 3-9-2
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, non-identified species, Roadside tree belt, Kamensky district, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16314
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. PJ-5 II
Type strain:	No
Risk group:	No
Source of isolation:	Carpenter bee, *Hymenoptera*, *Xylocopa vulga* Gerst., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16315
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. PJ-20-1
Type strain:	No
Risk group:	No
Source of isolation:	Mole cricket, *Orthoptera*, *Gryllotalpa gryllotalpa* L., Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16317
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. PJ 19 II
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, non-identified species, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16319
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. PJ 11
Type strain:	No
Risk group:	No
Source of isolation:	*Coleoptera*, non-identified species, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16320
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. PJ-21
Type strain:	No
Risk group:	No
Source of isolation:	*Orthoptera*, non-identified species, Armenia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16327
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. 11-5-2 N
Type strain:	No
Risk group:	No
Source of isolation:	Owlet moth, *Noctuidae*, *Lepidoptera*, Ust-Labinsky district, Knasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Bacillus thuringiensis*** Berliner 1915
MDC number:	MDC 16353
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. N 8-19
Type strain:	No
Risk group:	No
Source of isolation:	Lacehopper, *Homoptera, Cixius nevosus* L., sea-coast Gulkevichsky district, Krasnodar region, Russia
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Produces endotoxin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Brevibacillus brevis*** (Migula 1900) Shida et al. 1996
MDC number:	MDC 1932
Other collection number:	
Synonym:	*Bacillus brevis* Migula 1900
History:	<- MDC <- INMIA
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	S form
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Brevibacillus brevis*** (Migula 1900) Shida et al. 1996
MDC number:	MDC 1933
Other collection number:	
Synonym:	*Bacillus brevis* Migula 1900
History:	<- MDC <- INMIA
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Medium 6, 28-30°C
Metabolite production:	
Additional properties:	R form
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Brevibacillus brevis*** (Migula 1900) Shida et al. 1996
MDC number:	MDC 3151
Other collection number:	
Synonym:	*Bacillus brevis* Migula 1900
History:	<- MDC <- INMIA, str. AK-71
Type strain:	No
Risk group:	No
Source of isolation:	Cultivated soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Brevibacillus brevis*** (Migula 1900) Shida et al. 1996
MDC number:	MDC 3365
Other collection number:	
Synonym:	*Bacillus brevis* Migula 1900
History:	<- MDC <- INMIA, str. AK-216
Type strain:	
Risk group:	
Source of isolation:	Birch soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Brevibacillus brevis*** (Migula 1900) Shida et al. 1996
MDC number:	MDC 4191
Other collection number:	
Synonym:	*Bacillus brevis* Migula 1900
History:	<- MDC <- INMIA, str. T-1128a
Type strain:	No
Risk group:	No
Source of isolation:	Synthetic polymer
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Brevibacillus brevis*** (Migula 1900) Shida et al. 1996
MDC number:	MDC 4192
Other collection number:	
Synonym:	*Bacillus brevis* Migula 1900
History:	<- MDC <- INMIA str.T-1129a
Type strain:	No
Risk group:	No
Source of isolation:	Synthetic polymer
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Obligative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Brevibacillus brevis*** (Migula 1900) Shida et al. 1996
MDC number:	MDC 4238
Other collection number:	
Synonym:	*Bacillus brevis* Migula 1900
History:	<- MDC <- INMIA, str. T-45
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Tien Shan, Russia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces lipase and pullulanase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Brevibacillus brevis*** (Migula 1900) Shida et al. 1996
MDC number:	MDC 4241
Other collection number:	
Synonym:	*Bacillus brevis* Migula 1900
History:	<- MDC <- INMIA, str. T-48-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces aminoacylase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Brevibacillus brevis*** (Migula 1900) Shida et al. 1996
MDC number:	MDC 4244
Other collection number:	
Synonym:	*Bacillus brevis* Migula 1900
History:	<- MDC <- INMIA, str. T-50-8-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, France
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Geobacillus stearothermophilus*** (Donk 1920) Nazina et al. 2001 emend. Coorevits et al. 2012
MDC number:	MDC 4051
Other collection number:	
Synonym:	*Bacillus stearothermophilus* Donk 1920
History:	<- MDC <- INMIA, str. T-80-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Geobacillus stearothermophilus*** (Donk 1920) Nazina et al. 2001 emend. Coorevits et al. 2012
MDC number:	MDC 4057
Other collection number:	
Synonym:	*Bacillus stearothermophilus* Donk 1920
History:	<- MDC <- INMIA, str. P-11
Type strain:	No
Risk group:	No
Source of isolation:	Orangutan excrete, zoo, Portugal
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Obligate thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 1929
Other collection number:	NCIB 8216, NRS 250, BU 168
Synonym:	
History:	<- MDC <- INMIA <- Lysenko O. CCEB, BU
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2600
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-13
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera, Mamestra brassicae* L. dead track, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2602
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-28
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera, Mamestra brassicae* L. track, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	Produces parasporal inclusions
Additional properties:	
References:	5, 63, 64
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2604
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-48
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Lobesia* (*Polychrosis*) *botrana* Den. et Schiff., Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2606
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-106
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Mamestra brassicae* L., dead larvae, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2607
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-133
Type strain:	No
Risk group:	No
Source of isolation:	*Coleoptera*, *Leptinotarsa decemlineata* Say, Ukraine
Growth condition:	Medium 6, 30°C
Metabolite production:	Produces parasporal inclusions
Additional properties:	
References:	(18, 260)
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2610
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-179
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Mamestra brassicae* L., dead larvae, Ukraine
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2613
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-192
Type strain:	No
Risk group:	No
Source of isolation:	Mosquito dead larvae, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2614
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-194
Type strain:	No
Risk group:	No
Source of isolation:	Mosquito larvae polluted water, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2616
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-196
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Mamestra brassicae* L., dead track, Ukraine
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2617
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-197
Type strain:	No
Risk group:	No
Source of isolation:	*Lepidoptera*, *Mamestra brassicae* L., dead larvae, Ukraine
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2619
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. K-22
Type strain:	No
Risk group:	No
Source of isolation:	Mosquito, India
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5, 63
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2620
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified insect, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2626
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. B-300
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Strain-producer of larvicidal preparation. Produces parasporal inclusions, ssp. H5. Insecticide activity against mosquito *Culex*, *Aedes*, *Anopheles*
References:	5, 63, 64, 65, 66
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2631
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. C-13
Type strain:	No
Risk group:	No
Source of isolation:	*Hemiptera-Heteroptera*, *Aphidoidea*, Irkutsk district, Russia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2632
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. C-17
Type strain:	No
Risk group:	No
Source of isolation:	*Hemiptera-Heteroptera*, *Aphidoidea*, Irkutsk district, Russia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Serovar H5
References:	63
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2633
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. C-18
Type strain:	No
Risk group:	No
Source of isolation:	*Hemiptera-Heteroptera*, *Aphidoidea*, Angarsk, Russia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Serovar H5
References:	5, 63, 64, 65, 66
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2728
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-12
Type strain:	No
Risk group:	No
Source of isolation:	*Hemiptera-Heteroptera*, *Eurydema oleracea* L., Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Insecticide activity against *Leptinotarsa decemlineata* Say. Serovar H5
References:	5, 63, 65
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2730
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-35
Type strain:	No
Risk group:	No
Source of isolation:	*Coleoptera, Leptinotarsa decemlineata* Say., Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	Insecticide activity against *Leptinotarsa decemlineata* Say.
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2734
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-65
Type strain:	No
Risk group:	No
Source of isolation:	Peacock excrete, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2739
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-89
Type strain:	No
Risk group:	No
Source of isolation:	Owl excrete, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2741
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-102
Type strain:	No
Risk group:	No
Source of isolation:	King peacock excrete, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2745
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-112
Type strain:	No
Risk group:	No
Source of isolation:	Perching duck excrete, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2750
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-131
Type strain:	No
Risk group:	No
Source of isolation:	Flour beetle, *Coleoptera*, *Tenebrio molitor* L., Krasnodar, Russia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2769
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-210
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Bulgaria
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2776
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-234
Type strain:	No
Risk group:	No
Source of isolation:	*Potosia affinis* Andersch, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2778
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. M-238
Type strain:	No
Risk group:	No
Source of isolation:	Non-identified insect, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 2851
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. B-291
Type strain:	No
Risk group:	No
Source of isolation:	Colorado potato beetle, *Coleoptera*, *Leptinotarsa decemlineata* Say., Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	5
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 3102
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-17-3(f)
Type strain:	No
Risk group:	No
Source of isolation:	Cultivated brown soil, Vietnam
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 4
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 3118
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-39-1(f)
Type strain:	No
Risk group:	No
Source of isolation:	Saline sandy soil, Vietnam
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 5, 19
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 3123
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-40-4(f)
Type strain:	No
Risk group:	No
Source of isolation:	Marshy soil, rice field, Vietnam
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 5, 19
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 3134
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-1/2R
Type strain:	No
Risk group:	No
Source of isolation:	Salted soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 5, 19
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 3158
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. AK-15/24
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia.
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 5, 19
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 3804
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. HF-8
Type strain:	No
Risk group:	No
Source of isolation:	Lion excrete, zoo, Armenia
Growth condition:	Medium 12, 37°C
Metabolite production:	
Additional properties:	Halophilic, growth on media with NaCl from 7 to 20%
References:	3, 5, 19
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 3806
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. HF-13-2
Type strain:	No
Risk group:	No
Source of isolation:	Leopard excrete, zoo, Armenia
Growth condition:	Medium 12, 37°C
Metabolite production:	
Additional properties:	Halophilic, growth on media with NaCl from 5 to 17%
References:	3, 5, 19
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 3808
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. HF-179
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 12, 37°C
Metabolite production:	
Additional properties:	Halophilic, growth on media with NaCl from 5 to 17%
References:	3, 5, 19
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 3814
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. HF-202-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 12, 37°C
Metabolite production:	
Additional properties:	Halophilic, growth on media with 20% NaCl
References:	5, 19, 55
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 3840
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. HF-201
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), Abkhazia
Growth condition:	Medium 12, 37°C
Metabolite production:	
Additional properties:	Halophilic, growth on media with NaCl from 7 to 20 %
References:	3, 5, 19
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 3848
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. HF-172
Type strain:	No
Risk group:	No
Source of isolation:	Soil, abandoned pelt, India
Growth condition:	Medium 12, 37°C
Metabolite production:	
Additional properties:	Halophilic, growth on media with NaCl from 7 to 15%
References:	3, 5, 19
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 4199
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-36-2
Type strain:	No
Risk group:	No
Source of isolation:	Grey soil, Uzbekistan
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Facultative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Lysinibacillus sphaericus*** (Meyer et Neide 1904) Ahmed et al. 2007
MDC number:	MDC 4240
Other collection number:	
Synonym:	
History:	<- MDC <- INMIA, str. T-47-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Facultative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Paenibacillus polymyxa*** (Prazmowski 1880) Ash et al. 1994
MDC number:	MDC 270
Other collection number:	
Synonym:	*Bacillus polymyxa* (Prazmowski 1880) Mace 1889
History:	<- MDC <- INMIA, str. 270
Type strain:	No
Risk group:	No
Source of isolation:	Grey soil, Armenia
Growth condition:	Medium 18, 30 °C
Metabolite production:	
Additional properties:	
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Paenibacillus polymyxa*** (Prazmowski 1880) Ash et al. 1994
MDC number:	MDC 280
Other collection number:	
Synonym:	*Bacillus polymyxa* (Prazmowski 1880) Mace 1889
History:	<- MDC <- INMIA, str. 280
Type strain:	No
Risk group:	No
Source of isolation:	Black soil (czernozyom), Armenia
Growth condition:	Medium 18, 30 °C
Metabolite production:	
Additional properties:	
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Paenibacillus polymyxa*** (Prazmowski 1880) Ash et al. 1994
MDC number:	MDC 294
Other collection number:	
Synonym:	*Bacillus polymyxa* (Prazmowski 1880) Mace 1889
History:	<- MDC <- INMIA, str. 294
Type strain:	No
Risk group:	No
Source of isolation:	Meadow black soil (czernozyom), Georgia
Growth condition:	Medium 18, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Paenibacillus polymyxa*** (Prazmowski 1880) Ash et al. 1994
MDC number:	MDC 1513
Other collection number:	
Synonym:	*Bacillus polymyxa* (Prazmowski 1880) Mace 1889
History:	<- MDC <- INMIA, str. 1/x-2/x
Type strain:	No
Risk group:	No
Source of isolation:	Brown soil, Armenia
Growth condition:	Medium 18, 30 °C
Metabolite production:	
Additional properties:	
References:	5, 17
Form of supply:	Actively growing culture, dried

Name of strain:	***Paenibacillus polymyxa*** (Prazmowski 1880) Ash et al. 1994
MDC number:	MDC 2000
Other collection number:	
Synonym:	*Bacillus polymyxa* (Prazmowski 1880) Mace 1889
History:	<- MDC <- INMIA <- RIA, Moscow, 102
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Medium 18, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Paenibacillus polymyxa*** (Prazmowski 1880) Ash et al. 1994
MDC number:	MDC 3841
Other collection number:	
Synonym:	*Bacillus polymyxa* (Prazmowski 1880) Mace 1889
History:	<- MDC <- INMIA, str. HF-60
Type strain:	No
Risk group:	No
Source of isolation:	Sludge, India
Growth condition:	Medium 12, 37°C
Metabolite production:	Produces aspartase
Additional properties:	Halophilic, growth on media with NaCl from 5 to 15%
References:	5, 19, 55
Form of supply:	Actively growing culture

Name of strain:	***Paenibacillus polymyxa*** (Prazmowski 1880) Ash et al. 1994
MDC number:	MDC 4405
Other collection number:	
Synonym:	*Bacillus polymyxa* (Prazmowski 1880) Mace 1889
History:	<- MDC <- INMIA, str. T-w 2-1
Type strain:	No
Risk group:	No
Source of isolation:	Underground water, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Paenibacillus chibensis*** Shida et al. 1997
MDC number:	MDC 1921
Other collection number:	VKM B-693, ATCC 9966, NCIB 8144, IFO 3329, IAM 1112, DSM 329, CCM 1084, BU CSAV 155
Synonym:	
History:	<- MDC <- INMIA <- BU CSAV <- NCIB <- ATCC <- FDA, strain PCI 221 (*Bacillus circulans*)
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Medium 6, 28-30°C
Metabolite production:	Assay of streptomycin
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Paenibacillus macerans*** (Schardinger 1905) Ash et al. 1994 emend. Kobayashi et al. 2019
MDC number:	MDC 4245
Other collection number:	
Synonym:	*Bacillus macerans* Schardinger 1905
History:	<- MDC <- INMIA, str. T-50-8-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, France
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Paenibacillus macerans*** (Schardinger 1905) Ash et al. 1994 emend. Kobayashi et al. 2019
MDC number:	MDC 4253
Other collection number:	
Synonym:	*Bacillus macerans* Schardinger 1905
History:	<- MDC <- INMIA, str. T-53-2
Type strain:	No
Risk group:	No
Source of isolation:	Hot spring, Kazakhstan
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Paenibacillus macerans*** (Schardinger 1905) Ash et al. 1994 emend. Kobayashi et al. 2019
MDC number:	MDC 4255
Other collection number:	
Synonym:	*Bacillus macerans* Schardinger 1905
History:	<- MDC <- INMIA, str. T-54-2
Type strain:	No
Risk group:	No
Source of isolation:	Hydrogen sulphide spring, Kazakhstan
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Paenibacillus macerans*** (Schardinger 1905) Ash et al. 1994 emend. Kobayashi et al. 2019
MDC number:	MDC 4258
Other collection number:	
Synonym:	*Bacillus macerans* Schardinger 1905
History:	<- MDC <- INMIA, str. T-56-1
Type strain:	No
Risk group:	No
Source of isolation:	Medicinal mud, Kazakhstan
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces pullulanase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Paenibacillus macerans*** (Schardinger 1905) Ash et al. 1994 emend. Kobayashi et al. 2019
MDC number:	MDC 4259
Other collection number:	
Synonym:	*Bacillus macerans* Schardinger 1905
History:	<- MDC <- INMIA, str. T-57-3
Type strain:	No
Risk group:	No
Source of isolation:	Saline soil, Kazakhstan
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces pullulanase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Paenibacillus macerans*** (Schardinger 1905) Ash et al. 1994 emend. Kobayashi et al. 2019
MDC number:	MDC 4260
Other collection number:	
Synonym:	*Bacillus macerans* Schardinger 1905
History:	<- MDC <- INMIA, str. T-58-1
Type strain:	No
Risk group:	No
Source of isolation:	Salted soil, Kazakhstan
Growth condition:	Medium 7, 56°C
Metabolite production:	Produces pullulanase
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Paenibacillus macerans*** (Schardinger 1905) Ash et al. 1994 emend. Kobayashi et al. 2019
MDC number:	MDC 4354
Other collection number:	
Synonym:	*Bacillus macerans* Schardinger 1905
History:	<- MDC <- INMIA, str. T-55-2
Type strain:	No
Risk group:	No
Source of isolation:	Hot spring, Kazakhstan
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Paenibacillus macerans*** (Schardinger 1905) Ash et al. 1994 emend. Kobayashi et al. 2019
MDC number:	MDC 4355
Other collection number:	
Synonym:	*Bacillus macerans* Schardinger 1905
History:	<- MDC <- INMIA, str. T-57-4
Type strain:	No
Risk group:	No
Source of isolation:	Saline soil, Kazakhstan
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Paenibacillus macerans*** (Schardinger 1905) Ash et al. 1994 emend. Kobayashi et al. 2019
MDC number:	MDC 4362
Other collection number:	
Synonym:	*Bacillus macerans* Schardinger 1905
History:	<- MDC <- INMIA, str. T-79-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Paenibacillus macerans*** (Schardinger 1905) Ash et al. 1994 emend. Kobayashi et al. 2019
MDC number:	MDC 4364
Other collection number:	
Synonym:	*Bacillus macerans* Schardinger 1905
History:	<- MDC <- INMIA, str. T-88-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Paenibacillus macerans*** (Schardinger 1905) Ash et al. 1994 emend. Kobayashi et al. 2019
MDC number:	MDC 4387
Other collection number:	
Synonym:	*Bacillus macerans* Schardinger 1905
History:	<- MDC <- INMIA, str. T-256
Type strain:	No
Risk group:	No
Source of isolation:	Mountain-forest soil, Armenia
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Paenibacillus macerans*** (Schardinger 1905) Ash et al. 1994 emend. Kobayashi et al. 2019
MDC number:	MDC 4406
Other collection number:	
Synonym:	*Bacillus macerans* Schardinger 1905
History:	<- MDC <- INMIA, str. T-w 3-1
Type strain:	No
Risk group:	No
Source of isolation:	Underground water, Kazakhstan
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Thermophilic
References:	5, 19, 20
Form of supply:	Actively growing culture

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 240
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 240-8
Type strain:	No
Risk group:	No
Source of isolation:	Mountain black soil (czernozyom), barley, Georgia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 241
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 241-9
Type strain:	No
Risk group:	No
Source of isolation:	Grey soil, Kurgan-tube, Tadzhikistan
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 251
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 251
Type strain:	No
Risk group:	No
Source of isolation:	Black soil (czernozyom), non-cultivated soil, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 252
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 252
Type strain:	No
Risk group:	No
Source of isolation:	Subalpian meadow, barley, Armenia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 258
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 258-10
Type strain:	No
Risk group:	No
Source of isolation:	Grey soil, Armenia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 291
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 291-25
Type strain:	No
Risk group:	No
Source of isolation:	Salted soil, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 295
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 295-16
Type strain:	No
Risk group:	No
Source of isolation:	Mountain-meadow soil, Aragats, 3200m, Armenia
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 401
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 401-1
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), Georgia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 413
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 413-6
Type strain:	No
Risk group:	No
Source of isolation:	Podzol soil, Sochi, Russia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 418
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 418-3
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), Georgia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 419
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 419-4
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), Sukhumi, Georgia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1501
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 97
Type strain:	No
Risk group:	No
Source of isolation:	Tundra soil, Koli peninsula, Russia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1502
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 61
Type strain:	No
Risk group:	No
Source of isolation:	Tundra soil, Koli peninsula, Russia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1503
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. P-5-3
Type strain:	No
Risk group:	No
Source of isolation:	Grey soil, China
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1504
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. E-15
Type strain:	No
Risk group:	No
Source of isolation:	Grey soil, China
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1505
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. P-26-2
Type strain:	No
Risk group:	No
Source of isolation:	Grey soil, China
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1506
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 10 meg.
Type strain:	No
Risk group:	No
Source of isolation:	Grey soil, Armenia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1507
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 73
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), Georgia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1509
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 17 meg-14
Type strain:	No
Risk group:	No
Source of isolation:	Podzol soil, Sukhumi, Georgia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1510
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 17 meg-19
Type strain:	No
Risk group:	No
Source of isolation:	Podzol soil, Sukhumi, Georgia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1511
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. meg. 30
Type strain:	No
Risk group:	No
Source of isolation:	Podzol soil, Sukhumi, Georgia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1568
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 104
Type strain:	No
Risk group:	No
Source of isolation:	Undersoil, Koli peninsula, Russia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1570
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 1572 meg.
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), Anaseuli, Georgia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1571
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 1452 meg.
Type strain:	No
Risk group:	No
Source of isolation:	Red soil (krasnozyom), Anaseuli, Georgia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1575
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 22 meg.
Type strain:	No
Risk group:	No
Source of isolation:	Brown soil, Egypt
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1600
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 1 meg.
Type strain:	No
Risk group:	No
Source of isolation:	Leached black soil, Armenia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1604
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 7 meg.
Type strain:	No
Risk group:	No
Source of isolation:	Leached black soil, Armenia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1608
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 13 meg.
Type strain:	No
Risk group:	No
Source of isolation:	Leached black soil, Armenia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1609
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 15 meg.
Type strain:	No
Risk group:	No
Source of isolation:	Leached black soil, Armenia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1611
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. 16 meg.
Type strain:	No
Risk group:	No
Source of isolation:	Leached black soil, Armenia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1765
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. M-20
Type strain:	No
Risk group:	No
Source of isolation:	Salted soil, Armenia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1979
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA
Type strain:	No
Risk group:	No
Source of isolation:	Podzol soil, Voronezh, Russia
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1980
Other collection number:	BU CSAV 160
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA <- BU CSAV <- Rehacek, 1959
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Medium 6, 30 °C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 1981
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA <- Hamatova - Hlavackova E. Ceskoslovenska Akademie zemedelskych ved Vyzkumny ustav rosteinne vyroby, Oddeleni mikrobiologie, Praha-Ruzyne, CSFR <- Rehacek, A181
Type strain:	No
Risk group:	No
Source of isolation:	Soil
Growth condition:	Medium 6, 30°C
Metabolite production:	
Additional properties:	
References:	
Form of supply:	Actively growing culture, dried

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 3348
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. AK-256-4
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 3358
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. AK-178
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 3360
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. AK-181-2
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 3361
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. AK-182-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 3363
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. AK-211
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Obligative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 3366
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. AK-217
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 3368
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. AK-219-1
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Facultative alcalophile
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 3370
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. AK-219-3
Type strain:	No
Risk group:	No
Source of isolation:	Soil, Armenia
Growth condition:	Medium 4, 37°C
Metabolite production:	
Additional properties:	Alcalophilic
References:	3, 5
Form of supply:	Actively growing culture

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 3801
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. HF-3-1
Type strain:	No
Risk group:	No
Source of isolation:	
Growth condition:	Medium 12, 37°C
Metabolite production:	
Additional properties:	Halophilic, growth on media with NaCl from 15 to 25%
References:	3, 5, 19
Form of supply:	Actively growing culture

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 3822
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. HF-260-2
Type strain:	No
Risk group:	No
Source of isolation:	Garden soil, Armenia
Growth condition:	Medium 12, 37°C
Metabolite production:	
Additional properties:	Halophilic, growth on media with NaCl from 15 to 25%
References:	3, 5, 19
Form of supply:	Actively growing culture

Name of strain:	***Priestia megaterium*** (de Bary 1884) Gupta et al. 2020
MDC number:	MDC 4352
Other collection number:	
Synonym:	*Bacillus megaterium* de Bary 1884
History:	<- MDC <- INMIA, str. T-50-10-3
Type strain:	No
Risk group:	No
Source of isolation:	Soil, France
Growth condition:	Medium 7, 56°C
Metabolite production:	
Additional properties:	Facultative thermophile
References:	5, 19, 20
Form of supply:	Actively growing culture

Nutrient Media

1. Buenocore medium for *B.acidocaldarius*

Solution A:
$(NH_4)_2SO_4$ - 2,5 g
$MgSO_4$ x $7H_2O$ - 0,2 g
KH_2PO_4 - 3,0 g
$CaCl_2$ x $6H_2O$ - 0,25 g
Distilled water - 500,0 ml

Solution B:
Starch - 5,0 g
Yeast extract - 5,0 g
Agar - 20,0 g
Distilled water - 500,0 ml
Sterilize separately at 121°C -15 minutes, cool to 50°C, combine.
pH 3,5 - 4,0.

2. *Alicyclobacillus* medium

Solution A:
$CaCl_2$ x $2\ H_2O$ - 0.25 g
$MgSO_4$ x $7\ H_2O$ - 0.50 g
$(NH_4)_2\ SO_4$ - 0.20 g
Yeast extract - 2.00 g
Glucose - 5.00 g
KH_2PO_4 - 3.00 g
Distilled water (for liquid medium) - 1000.00 ml
Distilled water (for solid medium) - 500.00 ml
Adjust pH to 4.0

Solution B:
Trace element sol. SL-6 (see medium 3) 1.00 ml

Solution C:
Agar 15.00 g
Distilled water - 500.00 ml

Sterilize separately. For liquid medium combine solution A (with 1000.0 ml distilled water) and solution B. For solid medium combine solution A (with 500 ml distilled water), solution B and solution C. For strains of *A. cycloheptanicus* add 5 g/l of yeast extract instead of 2 g/l.

3. *Rhodospirillaceae* medium (modified)

Yeast extract - 0.30 g
Na_2-succinate - 1.00 g
(NH_4)-acetate - 0.50 g

Fe(III) citrate solution (0.1% in H_2O) - 5.00 ml
KH_2PO_4 - 0.50 g
$MgSO_4$ x 7 H_2O - 0.40 g
NaCl - 0.40 g
NH_4Cl - 0.40 g
$CaCl_2$ x $2H_2O$ - 0.05 g
Vitamin B_{12} solution (10 mg in 100 ml H_2O) - 0.40 ml
Trace element solution SL-6 (see below) - 1.00 ml
L-Cysteiniumchloride - 0.30 g
Resazurin(0,1%) - 0.50 ml
Distilled water - 1000.00 ml
Adjust pH to 6.8.
Boil the medium for a few minute. Bubble the medium with nitrogen gas and fill 10 ml in 15 ml tubes with a rubber septum under a stream of nitrogen gas. Autoclave at 121°C for 15 min. Sterile syringes are used to inoculate and remove samples.
Incubate in the light using a tungsten lamp.
Trace element solution SL-6:
$ZnSO_4$ x 7 H_2O - 0.10 g
$MnCl_2$ x 4 H_2O - 0.03 g
H_3BO_3 - 0.30 g
$CoCl_2$ x 6 H_2O - 0.20 g
$CuCl_2$ x 2 H_2O - 0.01 g
$NiCl_2$ x 6 H_2O - 0.02 g
Na_2MoO_4 x 2 H_2O - 0.03 g
Distilled water 1000.00 ml

4. Horikoshi medium for *B.alcalophilus*

Soluble starch - 10,0 g
Peptone - 5,0 g
Yeast extract - 5,0 g
NaCl - 5,0 g
KH_2PO_4 - 1,0 g
$MgSO_4$ x $7H_2O$ - 0,2 g
Agar - 20,0 g
Water - 1000,0 ml
pH 9,5
Sterilization at 121°C - 30 minutes.

Prepare separately solution:
Na_2CO_3 - 10,0 g
Distilled water - 100,0 ml
Sterilization at 121°C - 20 minutes.
Adjust pH to 9,5 -10,0 with solution of Na_2CO_3.

5. Yeast extract mineral medium

Na_2HPO_4 x 12 H_2O 3.50 g
K_2HPO_4 1.00 g
$MgSO_4$ x 7 H_2O 0.03 g
NH_4Cl 0.50 g
Yeast extract 4.00 g
Agar 15.00 g
Distilled water - 1000.00 ml
Adjust pH to 7.0 - 7.2.

6. Fish-peptone agar

Fish extract paste - 20,0 g
Yeast extract - 5,0 g
Agar - 20,0 g
Water - 1000,0 ml
Dilute fish extract paste* and yeast extract in tap water, boil, filtrate, add agar.
Sterilization at 121°C - 20 minutes.
*) Fish extract paste is a sprat hydrolysate (40 - 50 g/l, broth pH 7,2 - 7,4).

7. Peptone-starch medium for *B.stearothermophilus*

Soluble starch - 10,0 g
Peptone - 5,0 g
NaCl - 5,0 g
$CaCO_3$ - 5,0 g
Agar - 20,0 g
Water - 1000,0 ml
pH 7,0-7,2
Sterilization at 128°C - 30 minutes.

8. CASO Agar (Merck 105458)

Peptone from casein - 15.0 g
Peptone from soymeal - 5.0 g
NaCl - 5.0 g
Agar - 15.0 g
Distilled water - 1000.0 ml
Adjust pH to 7.3. Medium is identical with Tryptone Soya Agar (Oxoid Cm131).

9. Meat-peptone agar (MPA)

Peptone - 10,0 g
NaCl - 5,0 g
Agar - 20,0 g
Meat broth - 1000,0 ml
pH 7,2-7,4

Meat broth preparation: divide 500g meat removed bones, fat and connective tissue on small parts (or grind), add 1000,0 ml tap water and retain at room temperature for 12 hours or in thermostat at 30°C or 37°C - for 2 hours. Then press meat through gauze or linen. Boil filtrate 5 minutes for proteins clotting. Filtrate mass remained through cotton filter and restore original volume with water. Sterilization at 121°C - 30 minutes.

10. Zvyagintseva medium

Yeast extract - 5,0 g
Casein hydrolysate - 5,0 g
Na-glutamate - 1,0 g
KCl - 2,0 g
Na -citrate - 3,0 g
$MgSO_4$ x $7H_2O$ - 20,0 g
NaCl - 200,0 g
$FeCl_2$ x $4H_2O$ - 36 mg
$MnCl_2$ x $4H_2O$ - 0,36 mg
Agar - 20,0 g
Water distilled -1000,0 ml
pH 7,0 -7,2
Sterilization at 121°C - 20 minutes.

11. *Bacillus* "Racemilacticus" Medium

Glucose - 5.0 g
Peptone - 5.0 g
Yeast extract - 5.0 g
$CaCO_3$ - 5.0 g
Agar - 15.0 g
Distilled water - 1000.0 ml
Adjust pH to 6.8.

12. Dundas medium

NaCl - 150,0 g
KCl - 2,0 g
$C_6H_5Na_3O_7$ - 3,0 g
$MgSO_4$ x $7H_2O$ - 20,0 g
$CaCl_2$ - 0,01 g
Peptone - 10,0 g
Yeast extract - 1,0 g
Agar - 20,0 g
Distilled water - 1000,0 ml
pH 7,2
Sterilization at 121°C - 20 minutes.

13. *Bacillus* Schlegelii Heterotrophic Medium

Na_2HPO_4 x 2 H_2O - 4.50 g
KH_2PO_4 - 1.50 g
NH_4Cl - 1.00 g
$MnSO_4$ x H_2O - 0.01 g
$MgSO_4$ x 7 H_2O - 0.20 g
$CaCl_2$ x 2 H_2O - 0.01 g
Ferric ammonium citrate - 5.00 mg
Trace element solution SL-6 - 3.00 ml
(see medium 3)
Na-Pyruvate - 1.50 g
Distilled water - 1000.00 ml
Adjust pH to 7.1. Agar if necessary 15.0 g. Distribute in 30 - 50 ml amounts in Erlenmeyer flasks and sterilize for 15 minutes at 121°C. Incubate without agitation at 65°C.

14. Bacto Marine Broth (DIFCO 2216)

Bacto peptone - 5.00 g
Bacto yeast extract - 1.00 g
Fe(III) citrate - 0.10 g
NaCl - 19.45 g
$MgCl_2$ (anhydrous) - 5.90 g
Na_2SO_4 - 3.24 g
$CaCl_2$ - 1.80 g
KCl - 0.55 g
$NaHCO_3$ - 0.16 g
KBr - 0.08 g
$SrCl_2$ - 34.00 mg
H_3BO_3 - 22.00 mg
Na-silicate - 4.00 mg
NaF - 2.40 mg
$(NH_4)NO_3$ - 1.60 mg
Na_2HPO_4 - 8.00 mg
Distilled water - 1000.00 ml
Final pH should be 7.6 ± 0.2 at 25°C. If using the complete medium from Difco add 37.40 g to 1 liter water.

15. Medium for *Bacillus larvae*

Yeast extract - 10,0 g
Peptone - 10,0 g
Agar - 15,0 g
Distilled water - 1000,0 ml
pH 7,2
Sterilization at 121°C - 20 minutes.

16. Shefferle medium for *B.fastidiosus*

Na_2HPO_4 x $12H_2O$ - 6,0 g
KH_2PO_4 - 1,0 g
$CaCl_2$ - 0,1 g
$MgSO_4$ x $7H_2O$ - 0,3 g
NaCl - 0,1 g
$FeCl_3$ x $6H_2O$ - 0,01 g
Uric acid - 3,0 g
Agar - 20,0 g
Distilled water - 1000,0 ml
pH 7,2 - 7,4
Weigh $NaHPO_4$ and dissolve in boiling water. Add 0,3 % uric acid in hot water. Cool, add the other salts and agar. Sterilization at 121°C - 15 minutes.

17. JB - Medium for *Bacillus popilliae* and *B.lentimorbus*

Tryptone - 5,0 g
Yeast extract - 15,0 g
K_2HPO_4 - 3,0 g
Glucose - 2,0 g
Agar - 20,0 g
Distilled water - 1000,0 ml
pH 7,3-7,5
Sterilization at 121°C - 20 minutes. Sterilize glucose separately.

18. Medium MPA with starch for *B.polymyxa*

MPB - 1000,0 ml
Starch - 10,0 g
Agar - 20,0 g
pH 7,2 -7,4
Sterilization at 121°C - 15 minutes.

19. Bourtseva medium for *B.thuringiensis*

MPB* (diluted 1:10) - 1000,0 ml
Peptone - 10,0 g
NaCl - 5,0 g
Yeast extract - 10,0 g
Agar - 20,0 g
pH 7,2 -7,4
Sterilization at 121°C - 15 minutes.
*) MPB (Meat-peptone broth) - see medium 9.

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16224 ***Bacillus thuringiensis***

16227 ***Bacillus thuringiensis***
16231 ***Bacillus thuringiensis***
16252 ***Bacillus thuringiensis***
16262 ***Bacillus thuringiensis***
16264 ***Bacillus thuringiensis***
16284 ***Bacillus thuringiensis***
16292 ***Bacillus thuringiensis***
16296 ***Bacillus thuringiensis***
16314 ***Bacillus thuringiensis***
16315 ***Bacillus thuringiensis***
16317 ***Bacillus thuringiensis***
16319 ***Bacillus thuringiensis***
16320 ***Bacillus thuringiensis***
16327 ***Bacillus thuringiensis***
16353 ***Bacillus thuringiensis***
1932 ***Brevibacillus brevis***
1933 ***Brevibacillus brevis***
3151 ***Brevibacillus brevis***
3365 ***Brevibacillus brevis***
4191 ***Brevibacillus brevis***
4192 ***Brevibacillus brevis***
4238 ***Brevibacillus brevis***
4241 ***Brevibacillus brevis***
4244 ***Brevibacillus brevis***
4051 ***Geobacillus stearothermophilus***
4057 ***Geobacillus stearothermophilus***
1929 ***Lysinibacillus sphaericus***
2600 ***Lysinibacillus sphaericus***
2602 ***Lysinibacillus sphaericus***
2604 ***Lysinibacillus sphaericus***
2606 ***Lysinibacillus sphaericus***
2607 ***Lysinibacillus sphaericus***
2610 ***Lysinibacillus sphaericus***
2613 ***Lysinibacillus sphaericus***
2614 ***Lysinibacillus sphaericus***
2616 ***Lysinibacillus sphaericus***
2617 ***Lysinibacillus sphaericus***
2619 ***Lysinibacillus sphaericus***
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2769 ***Lysinibacillus sphaericus***
2776 ***Lysinibacillus sphaericus***
2778 ***Lysinibacillus sphaericus***
2851 ***Lysinibacillus sphaericus***
3102 ***Lysinibacillus sphaericus***
3118 ***Lysinibacillus sphaericus***
3123 ***Lysinibacillus sphaericus***
3134 ***Lysinibacillus sphaericus***
3158 ***Lysinibacillus sphaericus***
3804 ***Lysinibacillus sphaericus***
3806 ***Lysinibacillus sphaericus***
3808 ***Lysinibacillus sphaericus***
3814 ***Lysinibacillus sphaericus***
3840 ***Lysinibacillus sphaericus***
3848 ***Lysinibacillus sphaericus***
4199 ***Lysinibacillus sphaericus***
4240 ***Lysinibacillus sphaericus***
270 ***Paenibacillus polymyxa***
280 ***Paenibacillus polymyxa***
294 ***Paenibacillus polymyxa***
1513 ***Paenibacillus polymyxa***
2000 ***Paenibacillus polymyxa***
3841 ***Paenibacillus polymyxa***
4405 ***Paenibacillus polymyxa***
1921 ***Paenibacillus chibensis***
4245 ***Paenibacillus macerans***
4253 ***Paenibacillus macerans***
4255 ***Paenibacillus macerans***
4258 ***Paenibacillus macerans***
4259 ***Paenibacillus macerans***
4260 ***Paenibacillus macerans***
4354 ***Paenibacillus macerans***
4355 ***Paenibacillus macerans***
4362 ***Paenibacillus macerans***
4364 ***Paenibacillus macerans***
4387 ***Paenibacillus macerans***
4406 ***Paenibacillus macerans***
240 ***Priestia megaterium***
241 ***Priestia megaterium***
251 ***Priestia megaterium***
252 ***Priestia megaterium***
258 ***Priestia megaterium***
291 ***Priestia megaterium***
295 ***Priestia megaterium***
401 ***Priestia megaterium***
413 ***Priestia megaterium***

418 ***Priestia megaterium***
419 ***Priestia megaterium***
1501 ***Priestia megaterium***
1502 ***Priestia megaterium***
1503 ***Priestia megaterium***
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1511 ***Priestia megaterium***
1568 ***Priestia megaterium***
1570 ***Priestia megaterium***
1571 ***Priestia megaterium***
1575 ***Priestia megaterium***
1600 ***Priestia megaterium***
1604 ***Priestia megaterium***
1608 ***Priestia megaterium***
1609 ***Priestia megaterium***
1611 ***Priestia megaterium***
1765 ***Priestia megaterium***
1979 ***Priestia megaterium***
1980 ***Priestia megaterium***
1981 ***Priestia megaterium***
3348 ***Priestia megaterium***
3358 ***Priestia megaterium***
3360 ***Priestia megaterium***
3361 ***Priestia megaterium***
3363 ***Priestia megaterium***
3366 ***Priestia megaterium***
3368 ***Priestia megaterium***
3370 ***Priestia megaterium***
3801 ***Priestia megaterium***
3822 ***Priestia megaterium***
4352 ***Priestia megaterium***

Abbreviations

AMC - Walter Reed Army Medical Centre (formerly Army Medical School and Army Medical Department Research and Graduate School), Washington, D.C.USA.

AMNH - American Museum of Natural History, New York, USA.

ATCC - American Type Culture Collection, Rockville, Maryland, USA.

BMTU - Birsa Munda Tribal UNiversity, India.

BUCSAV (Bu) - Biologisky Ustav Ceskoslovenska Akademic Ved., Prague, Czechoslovakia.

CCEB - Culture Collection of Entomogenous Bacteria, Prague, Czechoslovakia.

CCM - Czechoslavak Collection of Microorganisms, I.E. Purkyne University, Brno, Czechoslovakia.

CDA - Canadian Department of Agriculture, Ottawa, Canada.

CECT- Collection Espanola de Cultivos Tipo, Departemento de Microbiologia, Universidad de Valencia, Burjasot, Valencia, Spain.

CIP - Collection de l'Institut Pasteur, Paris, France.

CN - Burroughs Welcome Research Laboratories, Beckenham, Kent, U.K.

DSM - Deutsche Sammlung von Mikroorganismen und Zellkulturen, GmbH, Braunschweig, Germany.

FDA - U.S.Food and Drug Administration, Washington, D.C., USA.

GIB (RIB) - National Research Institute of Brewing, Tax Administration Agency, Tokyo, Japan.

HUT - HUT. Department of Fermentation Technology, Faculty of Engineering, Hiroshima University, Japan.

IAM - Institute of Applied Microbiology, University of Tokyo, Bunkyo-ko, Tokyo, Japan.

IFO - Institute for Fermentation, Osaka, Japan.

IMAB - Instituto de Microbiologia Agricola, Buenos Aires, Argentine.

IMG - Institut fur Mikrobiologie, Universitat Gottingen, Gottingen, Germany.

INMIA - Institute of Microbiology, National Academy of Sciences of Armenia. Armenia.

JCM - Japan Collection of Microorganisms, Institute of Physical and Chemical Research, Hirosawa, Wako, Japan.

LMG - Collection Laboratorium voor Microbiologie Gent Faculteit Vetenschappen-Rijksuniversiteit, Belgium.

MDC – Microbial Depository Center, institution of the Scientific and Production Center "Armbiotechnology" NAS RA, Yerevan, Armenia.

NBRC – Biological Resource Center, NITE (National Institute of Technology and Evaluation), Tokyo, Japan.

NCDO - National Collection of Dairy Organisms, U.K. (see **NCFB**).

NCIB - National Collection of Industrial Bacteria, Aberdeen, Scotland, U.K.

NCTC - National Collection of Type Cultures, Central Public Health Laboratory, London, U.K.

NRRL - ARS Culture Collection, Northern Regional Research Laboratory, U.S.Department of Agriculture, Peoria, Illinois, 61604, USA.

NRS - Collection of the late Dr. N.R. Smith, U.S. Department of Agriculture, Washington, D.C., USA.

PZH - Collection of Cultures, Institute of Hygiene, Warsaw, Poland.

UQM - University of Queensland, Department of Microbiology, St. Lucia, Queensland, Australia.

USDA - United States Department of Agriculture, Washington, D.C., USA.

VIZR - Institute of Plant Protection. St.-Petersburg, Russia.

VKM - All-Russian Collection of Microorganisms, Institute of Biochemistry and Physiology of Microorganisms of RAS. Moscow district, Pushchino, Russia.

VNIIbacpreparat - Scientific Research Institute of Microbiological Means of Plant Protection and Bacterial Preparations. Moscow, Russia.

VNIIPM - Institute of Applied Microbiology. 1442279, Russia, Moscow district, Obolensk city.

VNIISKhM-L - Institute of Agricultural Microbiology. St.-Petersburg, Russia.

VNIISKhM-M - Institute of Agricultural Microbiology, Moscow Section, Russia.

VSCHT - Faculty of Chemistry, Technical University, Prague, Czechoslovakia.

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