



BEAUVERIA

and allied fungi

FULLY INDEXED

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**You can now search ARSEF
catalog data online at
<http://arsef.fpsnl.cornell.edu>**

ARS Collection of Entomopathogenic Fungi

History and Purpose of the Collection

The goal of the ARS Collection of Entomopathogenic Fungi (ARSEF) is to provide fundamental support for basic and applied research on the fungal pathogens of invertebrates. Since its establishment in the early 1970s, this collection has served as a general research resource for the isolation, collection, preservation, and distribution of fungal strains from insects, other arthropods, and nematodes. Emphasis has always been placed on acquiring and distributing strains under active study for use as potential biological control agents. Basic research associated with the collection includes fungal systematics, fungal cytology, pathobiology, and methodology for fungal cryopreservation. The culture collection and its associated collection of microscope slides and herbarium specimens provide invaluable support for taxonomic research on and the diagnoses of fungal pathogens of invertebrates. Identification services for specimens and cultures have always been available free of charge to any laboratories requesting them.

We strive to provide users with pure and accurately identified fungal cultures. Uncertainties about strain identifications not stated in this catalog will be communicated to culture recipients. The curator of the collection welcomes all correspondence about nomenclatural or taxonomic changes or possible misidentifications involving any ARSEF strains.

This culture collection began as Dr. Richard Soper's research collection at the ARS Plant, Soil, and Water Laboratory at the University of Maine at Orono (UMO). The original UMO prefix for these cultures was changed to the site-independent prefix RS for Richard Soper. In 1978, the ARS Insect Pathology Research Unit and its culture collection were relocated to be associated with the Insect Pathology Program of the Boyce Thompson Institute (BTI) in its new building on the Cornell University campus. The Insect Pathology Research Unit and some other small ARS units on the Cornell campus were united into the Plant Protection Research Unit (PPRU) in October 1985. After occupying transitional quarters, the PPRU insect pathology program and the culture collection moved in November 1990 into newly renovated laboratories in the U.S. Plant, Soil, and Nutrition Laboratory (across the street from the Boyce Thompson Institute).

The Plant Protection Research Unit owns and operates this culture collection; it is not now nor has it ever been owned or controlled by the Boyce Thompson Institute even though BTI administers the collection's sales account. This culture collection is one of the largest microbial germplasm collections in the USDA-ARS, and PPRU is widely recognized for its active support and encouragement of global research on fungal pathogens of arthropods. The culture collection and its associated herbarium are respectively registered under the ARSEF acronym with the World Federation of Culture Collections' World Data Center on Microorganisms and with the International Association of Plant Taxonomists' *Index Herbariorum*.

Since 1977, all strains in the collection have been stored by immersion in liquid nitrogen at -196°C , but limited dewar space will require shifting many strains from cryogenic to lyophil storage within the near future. Requests for cultures are filled with either live cultures on appropriate solid or liquid media or lyophil tubes (plus instructions for fungal recovery), depending on how the requested strain is stored.

Identifying and Acknowledging ARSEF Strains in Publications

We request that all publications using or referring to strains obtained from ARSEF acknowledge the U.S. Department of Agriculture, ARS Plant Protection Research Unit and state the ARSEF accession numbers of these strains. We would very greatly appreciate receiving reprints of all past, current, and future publications or even periodic notification about research in progress involving the use of ARSEF strains.

Accession numbers of strains from commercial culture collections such as the American Type Culture Collection (ATCC), Centraalbureau voor Schimmelcultures (CBS), CAB International Mycological Institute (IMI), and the University of Alberta Microfungus Collection (UAMH) are listed in this catalog only for sake of providing complete information only.

Representation of cultures obtained from ARSEF as ATCC, CBS, IMI or UAMH cultures is a violation of trademark laws; persons doing so are subject to prosecution. Cultures received from ARSEF should be referred to by their ARSEF numbers only.

Depositing and Exchanging Cultures

The Plant Protection Research Unit encourages deposition of entomopathogenic fungal cultures with the ARSEF collection — particularly strains used in published studies — as well as of voucher and reference specimens to its herbarium.

Depositors may reserve the right to limit redistribution of any culture deposited with ARSEF for specified times upon consultation with the curator. Depositors can receive subcultures of their own depositions at any time; these cultures do not affect any allowances of free cultures.

Exchanges of cultures between ARSEF and other research or general collections of fungal cultures are encouraged and are not subject to numerical limits.

Prior to shipping cultures from countries outside the United States contact the Curator to obtain the appropriate needed importation permit from the U.S. Department of Agriculture, Animal and Plant Health Inspection Services, Plant Protection and Quarantine.

When sending cultures and/or specimens to ARSEF, it is very important to include as much of the following information as possible:

1. Scientific name (and taxonomic authority) of the fungus.
2. Common and scientific name (with taxonomic authority) of the host.
3. Order and family of the host. **(THIS IS ESPECIALLY CRITICAL INFORMATION.)**
4. Date and site of collection.
5. Name of collector.
6. Date and name of isolator.
7. Any collection, accession, or other identifier number(s) applied by the collector or sender.
8. Medium on which a culture is sent.
9. Any special requirements or conditions for growth (such as medium, temperature, pH).

Diagnostic Services for Cultures and Specimens

Specimens and cultures of unidentified fungi from invertebrates can be submitted to ARSEF for diagnosis. This service is an important function of the ARS Collections of Entomopathogenic Fungi and is provided without charge. Identifications and information about the disposition of specimens will be mailed to the sender.

Release of ARSEF Cultures from Containment or Quarantine

Neither the curator nor any employee of ARSEF or of the Plant Protection Research Unit is entitled to authorize the release of any culture it provides from laboratory containment or quarantine in the United States or elsewhere. Recipients of ARSEF cultures are responsible for obtaining appropriate and necessary permissions from or for providing official notifications to State and Federal regulatory agencies.

Ordering Information

All requests for isolates should be sent directly to the curator, ARS Collection of Entomopathogenic Fungal Cultures, U.S. Plant, Soil, and Nutrition Laboratory, Tower Rd., Ithaca, NY 14853–2901; telephone: (607) 255–1276; fax: (607) 255–1132; or by email to the Curator (rah3@cornell.edu).

Academic, Government, and Other Nonprofit Institutions

1–5 isolates [up to 7 per calendar year]	no charge
6 or more isolates per order [8 or more per calendar year]	US\$50 per strain

Users from nonprofit institutions can receive up to five isolates without charge in any 6 month period, and up to seven cultures in any calendar year. Requests in excess of these limits will be charged at the rate of US\$40 per additional isolate requested. Requests from commercially sponsored research programs undertaken by nonprofit institutions are charged at the commercial rate and are not subject to numerical limits. **Prices are subject to change without notice.**

Commercial and Industrial Institutions

US\$75 per strain

Nonprofit institutions working on commercially sponsored contractual projects (such as screening programs) are charged at the rate of US\$75 per strain requested. There are no limits on the numbers of cultures that can be requested or shipped. **Prices are subject to change without notice.**

Commercial or industrial firms supporting research at the ARS Plant Protection Research Unit are entitled to free access to cultures pertinent to contracted projects; all other requests are charged at the current rate.

Terms of Shipment

Billings for isolates are issued through the Boyce Thompson Institute. We encourage prepayment for isolates. **Checks or money orders for strains must be made out to the Boyce Thompson Institute** but sent directly to the curator of the ARS Collections of Entomopathogenic Fungi. Consult the curator of the collections with questions about fees due for any particular shipment.

All recipients of cultures are strongly encouraged to provide express shipper account numbers to allow shipping costs to be billed directly to recipients, thus assuring significant cost-savings to the ARSEF collection.

We request confirmation of receipt and viability of cultures shipped. Strains that are inviable upon receipt will be replaced.

ARSEF reserves the right to refuse to ship isolates

- to recipients who cannot handle them using standard microbiological practices,
- to laboratories that cannot assure laboratory containment of isolates **except** after obtaining permissions from applicable State and Federal regulatory agencies, or
- if use of routine mailing or shipping procedures cannot assure the receipt of viable cultures.

Neither ARSEF, the ARS Plant Protection Research Unit, nor the Boyce Thompson Institute is liable for damages arising from the misidentification of strains.

Interpretation of Strain Accession Data

The following examples provide a guide to the arrangement and interpretation of collection data included in this catalog.

***Beauveria bassiana* (Balsamo) Vuillemin**

2828 M Feng (MD8903). *Metopolophium dirhodum* [Homoptera: Aphididae] on spring wheat. 21 Jul 89. USA: Parma, Idaho.

2828	ARSEF accession number.
M Feng (MD8903)	Depositor and depositor's reference or accession number.
<i>Metopolophium dirhodum</i> [Homoptera: Aphididae]	Original host together with the host's order and family and the substrate on which the host was found
On spring wheat	Date of accession or receipt.
21 Jul 89	Country of origin followed by the locality and state.
USA: Parma, Idaho	

***Conidiobolus thromboides* Drechsler**

73 [CSIRO EM534; FPMI 28] RG Kenneth (3040) ATCC (24419) DM MacLeod G Thoizon. *Rhopalosiphum insertum* [Homoptera: Aphididae]. Rec'd Jan 18 1976. France: Val-de-Marne, La Varenne.

73	ARSEF accession number.
[CSIRO EM534; FPMI 28]	Alternative depositions of this strain in other culture collections.
RG Kenneth (3040)	Depositor and depositor's reference or accession number.
ATCC (24419) DM MacLeod	Culture provenance: RG Kenneth obtained the culture from ATCC, which obtained it from DM MacLeod, who obtained it from G Thoizon.
G Thoizon	Original host together with the host's order and family.
<i>Rhopalosiphum insertum</i> [Acari: Eriophyidae]	Date of receipt.
Rec'd Jan 18 1976	Country of origin followed by the locality and region.
France: Val-de-Marne, La Varenne	

***Hirsutella thompsonii* Fisher**

137 [ATCC 24874; CBS 952.73] CW McCoy (Fla. 68). *Phyllocoptruta oleivora* [Acari: Eriophyidae]. Jan 1 1970. USA: Orlando, Florida.

137	ARSEF accession number.
[ATCC 24874; CBS 952.73]	Alternative depositions of this strain in other culture collections.
CW McCoy (Fla. 68)	Depositor and depositor's reference or accession number.
<i>Phyllocoptruta oleivora</i> [Homoptera: Aphididae]	Original host together with the host's order and family.
Jan 1 1970	Date of accession or receipt. Note: January 1 is a default date if an exact date with a year is unrecorded; the first day of each month is a default date if no specific day within a month is recorded.
USA: Orlando, Florida	Country of origin followed by the locality and state.

Abbreviations

ARSEF	ARS Collection of Entomopathogenic Fungi, USDA-ARS Plant Protection Research Unit, U.S. Plant, Soil, and Nutrition Laboratory, Tower Rd., Ithaca, New York, 14853-2901, USA
ATCC	American Type Culture Collection, PO Box 1549, Manassas, Virginia 20108, USA
CATIE	Centro Agronómico Tropical de Investigación y Enseñanza, Proyecto UIP, Apdo. Postal 7170, Turrialba, Costa Rica.
CBS	Centraalbureau voor Schimmelcultures, Uppsalalaan 8, 3584 CT Utrecht, The Netherlands
CCF	Culture Collection of Fungi, Department of Botany, Charles University, Prague, Czech Republic
CCFC	Canadian Collection of Fungus Cultures, Centre for Land and Biological Resources Research, Room 1015, K.W. Neatby Bldg., Ottawa, Ontario K1A 0C6, Canada
CDC	Centers for Disease Control, Atlanta, Georgia 30333, USA
CENARGEN	Centro Nacional de Pesquisa de Recursos Geéticos e Biotecnologia, S.A.I.N. Parque Rural, C.P. 102372, 70770 Brasília, D.F., Brazil
CIRI	Corn Insects Research Unit, USDA-ARS, R.R. Box 45B, Ankeny, Iowa 50021, USA
CNPAF	National Center for Agricultural Research on Rice and Beans, EMBRAPA, Goiânia, Goiás, Brazil
CNPS	National Center for Agricultural Research on Soybeans, EMBRAPA, Londrina, Paraná, Brazil
CP	Strains isolated during joint US-Brazil program studying insect pests of cowpeas; Title XII program funded by US-AID
DAOM	National Mycological Herbarium, Centre for Land and Biological Resources Research, Agriculture Canada, Central Experimental Farm, Ottawa, Ontario, K1A 0C6, Canada
DAR	New South Wales Department of Agriculture, Rydalmere, NSW, Australia
FPMI	Forest Pest Management Institute, 1219 Queen Street East, Sault Ste. Marie, Ontario P6A 5M7, Canada
GCRI	Institute for Horticultural Research (formerly, Glasshouse Crops Research Institute), Worthing Road, Littlehampton, W. Sussex BN17 6LP, England, UK
HACC	Hindustan Antibiotics Ltd., Pimpri, Poona, India
IMI	CABI Bioscience, Bakeham Lane, Egham, Surrey TW20 9TY, UK
INRA	Station de Recherches de lutte Biologique et Biocoenotique, INRA (Institut National de la Recherche Agronomique), La Minière – 78280 Guyancourt, France
IPLB	Unité de Lutte Biologique, Institut Pasteur, 28 Rue de Dr. Roux, 75724 Paris, France
IRRI	International Rice Research Institute, P.O. Box 933, Manila, Philippines
KSU	Kansas State University, Department of Entomology, Manhattan, Kansas 66506, USA
MAF	Ministry of Agriculture and Fisheries, Canterbury Agriculture and Science Centre, Ellesmere Junction Road, P.O. Box 24, Lincoln, New Zealand
MU	Miami University, Willard Sherman Turrell Herbarium, Department of Botany, 79 Upham Hall, Oxford, Ohio 45056, USA
NCTC	National Collection of Type Cultures, Public Health Laboratory Service, 61 Colindale Ave., London NW9 5HT, England, UK
NRRL	ARS Culture Collection, USDA-ARS National Center for Agricultural Utilization Research, 1815 N. University, Peoria, Illinois 61604, USA
PSU	The Pennsylvania State University, 211 Buckhout Laboratory, University Park, Pennsylvania 16802, USA
QEC	Queen Elizabeth College, University of London, Department of Biology, Campden Hill Road, London W8 7AH, England, UK
QM	U.S. Army Natick Laboratories (formerly, Quartermaster Research and Development Center), Natick Massachusetts. Note: This collection has been transferred to NRRL.
RSA	Rancho Santa Ana Botanic Garden, 1500 North College Ave., Claremont, California 91711, USA
SBI	Sugarcane Breeding Institute, Indian Council of Agricultural Research, Coimbatore – 641 007, Tamil Nadu, India
UAF	University of Arkansas, Department of Entomology, 321 Agriculture Building, Fayetteville, Arkansas 72701, USA
UAMH	University of Alberta Microfungus Collection, Devonian Botanic Garden, University of Alberta, Alberta T6G 2H7, Canada

***Beauveria* sp.**

[Hyphomycetes]

Almost all of the strains listed here closely resemble *B. bassiana* (or *B. brongniartii*) but were not so identified because of small (and possibly insignificant) differences in conidia size and/or shape.

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- 32 JE Henry. [Orthoptera: Acrididae]. 12 Jul 1973. USA: Montana.
- 547 VA Dyck. *Pachybrachis pallicornis* [Coleoptera: Chrysomelidae]. Acc'd 17 Sep 1986. Malaysia.
- 590 JM Lenné. *Mocis* sp. [Lepidoptera: Noctuidae]. Rec'd 13 Apr 1981. Colombia: Carimagua.
- 1040 J Aoki (Beau. 2) ← K Kawakami. *Bombyx mori* [Lepidoptera: Bombycidae]. Rec'd 7 Nov 1983. Japan: Sugunami, Tokyo Prefecture.
- 1195 TJ Poprawski (001). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 18 May 1983. Italy: Vetralla, Lazio.
- 1196 TJ Poprawski (002). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.
- 1197 TJ Poprawski (004). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.
- 1198 TJ Poprawski (005). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 20 May 1983. Italy: Vetralla, Lazio.
- 1199 TJ Poprawski (013). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Manciano, Toscana.
- 1200 TJ Poprawski (014). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 23 May 1983. Italy: Manciano, Toscana.
- 1201 TJ Poprawski (023). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1202 TJ Poprawski (024). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1203 TJ Poprawski (025). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1204 TJ Poprawski (026). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1205 TJ Poprawski (027). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1206 TJ Poprawski (028). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1207 TJ Poprawski (030). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Vetralla, Lazio.
- 1208 TJ Poprawski (034). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 27 May 1983. Italy: Piancastagnaio, Toscana.
- 1209 TJ Poprawski (035). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 22 May 1983. Italy: Acquapendente, Lazio.
- 1210 TJ Poprawski (037). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1211 TJ Poprawski (038). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1213 TJ Poprawski (046). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1214 TJ Poprawski (047). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1215 TJ Poprawski (049). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 25 May 1983. Italy: Acquapendente, Lazio.
- 1216 TJ Poprawski (050). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.
- 1218 TJ Poprawski (051). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.
- 1219 TJ Poprawski (052). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 1 Jun 1983. Italy: Acquapendente, Lazio.
- 1220 TJ Poprawski (057). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1221 TJ Poprawski (059). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1222 TJ Poprawski (060). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1224 TJ Poprawski (061). Nymph, *Adelphocoris* sp. [Hemiptera: Miridae]. 7 Jun 1983. Italy: Acquapendente, Lazio.
- 1327 TJ Poprawski (082). Egg, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1983. France: Saint-Laurent, Vosges.
- 1681 M Shimazu (F-333). *Shirahoshizo insidiosus* [Coleoptera: Curculionidae]. 27 Jan 1982. Japan: Takao, Tokyo Prefecture.
- 1682 M Shimazu (F-357(11)). *Anomala cuprea* [Coleoptera: Scarabaeidae]. 20 Nov 1980. Japan: Nagano Prefecture.
- 1685 M Shimazu (F-450). *Lachnosterna morosa* [Coleoptera: Scarabaeidae]. Acc'd 2 Nov 1984. Japan: Ibaraki Prefecture.

- 1835 SB Alves (295). *Anthonomus grandis* [Coleoptera: Curculionidae]. Rec'd 21 Jan 1985. Brazil.
- 1886 H David. *Chilo infuscatellus* [Lepidoptera: Pyralidae] on sugar cane. Rec'd 1 Jun 1985. India: Sugarcane Breeding Institute, Coimbatore, Tamil Nadu.
- 2164 BN Muthappa (PNG 12723). [Homoptera: Membracidae]. Rec'd 12 May 1986. Papua New Guinea.
- 2412 K Narayanan (9). *Xyloryctes jamaicensis* [Coleoptera: Scarabaeidae]. Acc'd 6 May 1987. India.
- 2997 MS Goettel. *Vespa vulgaris* [Hymenoptera: Vespidae]. 24 Feb 1990. Canada: Lethbridge, Alberta.
- 3289 J Gutierrez Samperio (5) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.
- 3510 I Quintela (VL1). Rec'd 13 Dec 1991. Location not specified.
- 3859 [JB Tavares BRA-000027] MS Tigano-Milani (CG-76#1). *Solenopsis invicta* [Hymenoptera: Formicidae]. Rec'd 13 Jan 1993. Brazil.
- 3929 DR Sosa-Gómez (CNPSO-Bb48). Host not specified. Rec'd Jun 1993. Location not specified. Hybrid? of ARSEF: 944 & 933.
- 3936 DR Sosa-Gómez (CNPSO-Bb56). Host not specified. Rec'd Jun 1993. Location not specified. Hybrid? of ARSEF 944& 933.
- 4196 LA Lacey (940416). [Orthoptera: Acrididae]. Rec'd 12 May 1994. Russian Federation.
- 4197 LA Lacey (94015). [Orthoptera: Acrididae]. Rec'd 12 May 1994. Russian Federation.
- 4254 [DAT 105] AC Rath (F105). Soil. 14 Jan 1988. Australia: Big Plains, Benham Estate, Avoca, Tasmania. May be a NEW SPECIES. Conidia ovoid/drop-shaped to elongate. Conidiogenous cells mostly elongate with very contorted and thick rachis. Very unusual.
- 4362 LA Lacey (94126). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4363 LA Lacey (94128). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4364 LA Lacey (94129). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4365 LA Lacey (94130). Soil. 27 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4390 LA Lacey (94132). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4391 LA Lacey (94133). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4392 LA Lacey (94134). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4393 LA Lacey (94111). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4394 LA Lacey (94112). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4395 LA Lacey (94113). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4396 LA Lacey (94114). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4397 LA Lacey (94115). Soil. 28 Apr 1994. Japan: Takao Golf Course, Sapporo, Hokkaido.
- 4850 JM Sung (C-322). Adult, longicorn. 14 Jul 1994. Republic of Korea: Chiag Mt., Kangwon-do.
- 4853 JM Sung (C-332). Adult, [Coleoptera: Coccinellidae]. Jul 1994. Republic of Korea: KNU experiment Forest, Kangwon National University.
- 4909 LA Lacey (95011). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4910 LA Lacey (95012). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4911 LA Lacey (95013). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4912 LA Lacey (95014). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4913 LA Lacey (95015). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4914 LA Lacey (95016). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4915 LA Lacey (95017). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4916 LA Lacey (95018). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4917 LA Lacey (95019). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4918 LA Lacey (95020). Adult, *Tomicus pimperda* [Coleoptera: Scolytidae]. 8 Mar 1995. France: Auzon (River), Vaucluse.
- 4919 LA Lacey (95021). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4920 LA Lacey (95022). Host not specified. Rec'd 27 Apr 1995. Portugal: Terceira Island, Azores.
- 4933 LA Lacey (95035). *Tomicus minor* [Coleoptera: Scolytidae] Pinus nigra. 4 Apr 1995. France: Saint-Etienne, de Gourgas.
- 5078 SR Booth (Quinby; BSP). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae]. 17 Jan 1994. USA: Cranberry bog, Grayland, Washington.

- 5174 S Gouli (GA-86). [Araneida: Araneae]. 24 Jun 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5186 S Gouli (GA-96). [Coleoptera: Lampyridae]. 2 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5187 S Gouli (GA-97). [Araneida: Araneae]. 1 Jun 1995. USA: Motyka's sugar maple stand, Williamstown, Vermont.
- 5678 BL Parker (SPT-020). [Coleoptera: Coccinellidae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5686 BL Parker (SPT-101). *Eurygaster* sp. [Hemiptera: Scutelleridae]. 19 Jan 1998. Turkey: Belen, Gaziantep.
- 5697 JM Sung (KEFC-1105). [Coleoptera]. 28 Jun 1997. Republic of Korea: Mt. Gyaeryong, Chungnam Province.
- 5831 BL Parker (SPT 003). [Coleoptera]. 17 Jan 1998. Turkey: Karabiyikli, Narli, Kahraman Maras.
- 5832 BL Parker (SPT 11(a)). [Lepidoptera]. 18 Jan 1998. Turkey: Hursit Mt., Gaziantep, Gaziantep.
- 5833 BL Parker (SPT 013/1). [Coleoptera: Coccinellidae]. 18 Jan 1998. Turkey: Hursit Mt., Gaziantep, Gaziantep.
- 6533 FE Vega (EBCL 99076). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Bulachauri.
- 6534 FE Vega (EBCL 99077). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Bulachauri.
- 6535 FE Vega (EBCL 99080). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Breti.
- 6536 FE Vega (EBCL 99085). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Breti.
- 6537 FE Vega (EBCL 99088). *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd 8 Jun 2000. Republic of Georgia: Lagodekhi.
- 6691 [Araneida: Araneae]. Rec'd 17 Jan 2001. Ethiopia: Gusquam.
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[Hyphomycetes]

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- 754 [CNPAF 82-4-4-01; CP 38] RA Daoust. [Coleoptera]. 4 Apr 1982. Brazil: CNPAF, Goiânia, Goiás.
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- 786 [CNPAF 82-5-3-03B; CP 51] RA Daoust and FE de Araújo. *Crimissa* sp. [Coleoptera: Chrysomelidae]. 3 May 1982. Brazil: 20 km N of Pacajus, Ceará.
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- 796 DA Rodriguez Sierra ← BV Romero. [Dermaptera]. Jul 1982. Colombia: Instituto Colombiana Agropecuario, Villavicencio, Meta.
- 804 [CNPAF 82-4-30-01D; CP 48] RA Daoust and JPP de Araújo. Adult, [Coleoptera: Elateridae]. 30 Apr 1982. Brazil: Novo Oriente, Ceará.
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- 809 [CNPAF 82-6-28-01; CP 61] RA Daoust ← SM dos Santos. *Diabrotica paranaensis* [Coleoptera: Chrysomelidae]. 28 Jun 1982. Brazil: CNPAF, Goiânia, Goiás.
- 812 GG Soares (3) ← G Euverte. Overwintering adults, *Corythucha ciliata* [Hemiptera: Tingidae]. 18 Feb 1981. France: Avignon, Vaucluse.
- 813 GG Soares (6). 6th instar larva, *Otiiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.
- 814 GG Soares (10). 6th instar larva, *Otiiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.
- 815 GG Soares (12). 6th instar larva, *Otiiorhynchus sulcatus* [Coleoptera: Curculionidae]. 5 Mar 1982. France: Plougastel-Daoulas, Finistere.
- 816 GG Soares (20) ← JP Aeschlimann. 5th instar larva, *Sitona discoideus* [Coleoptera: Curculionidae]. 29 Mar 1982. France: Montpellier, Hérault.
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- 886 GG Soares (34) ← D Covtinot. Adult, *Lygus* sp. [Hemiptera: Miridae]. Sep 1982. Spain: Burgos.
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- 943 [CNPAF 83-03-16E; CP 84] RA Daoust and BP Magalhães. *Chalcodermus* sp. [Coleoptera: Curculionidae]. 16 Mar 1983. Brazil: Ponta Porã, Mato Grosso.
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- 1074 TJ Poprawski (83-49). Adult, *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Jul 1983. France: tree nursery containers, Les Thilliers-en-Vexin, Eure.
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- 1118 KV Deseö (45) ← Maini. Larva, *Sesamia cretica* [Lepidoptera: Noctuidae]. Sep 1982. Italy: Forli, Emilia-Romagna.
- 1119 KV Deseö (47). Soil, using *Galleria mellonella* [Lepidoptera: Pyralidae] as a trap. Oct 1982. Italy: Modena, Emilia-Romagna.
- 1121 KV Deseö (81) ← Chianella. Pupa, *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Mar 1982. Italy: Padua, Venetia.
- 1122 KV Deseö (83). *Cydia pomonella* [Lepidoptera: Tortricidae]. Mar 1983. Italy: Bologna, Emilia-Romagna.
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- 1150 TJ Poprawski (83-37). Adult, [Diptera: Tachinidae] parasitic on *Sitona lineatus* [Coleoptera: Curculionidae]. 17 Nov 1983. France: Senneville.
- 1151 TJ Poprawski (83-05). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. 24 Aug 1983. Canada: L'Acadie, Québec.
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- 1157 TJ Poprawski (83-619). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.
- 1158 TJ Poprawski (83-634). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Vernon, Eure.
- 1159 TJ Poprawski (83-615). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.
- 1160 TJ Poprawski (83-614). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1983. France: Senneville.
- 1161 TJ Poprawski (83-626). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Mantes-la-Jolie, Yvelines.
- 1162 TJ Poprawski (83-623). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Limay, Yvelines.
- 1163 TJ Poprawski (071A). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Jan 1984. Morocco: Jramma.
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- 1166 TJ Poprawski (83-77). 3rd instar larva, *Helicoverpa armigera* [Lepidoptera: Noctuidae]. 2 Aug 1983. Spain: Córdoba.
- 1167 TJ Poprawski (83-701). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Nov 1983. France: Senneville.
- 1168 TJ Poprawski (83-702). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. 10 Oct 1983. France: Senneville.
- 1169 TJ Poprawski (83-703). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Senneville.
- 1170 TJ Poprawski (83-704). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. 23 Nov 1983. France: Senneville.
- 1171 TJ Poprawski (A2). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1172 TJ Poprawski (A4). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1173 TJ Poprawski (A5). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 16 Feb 1984. Morocco: Achouria.
- 1174 TJ Poprawski (A6). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Achouria.
- 1175 TJ Poprawski (A7). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 10 Feb 1984. Morocco: Achouria.
- 1176 TJ Poprawski (J1). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Jan 1984. Morocco: Jorf.
- 1177 TJ Poprawski (J2). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Jan 1984. Morocco: Jorf.
- 1178 TJ Poprawski (J3). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 7 Feb 1984. Morocco: Jorf.
- 1179 TJ Poprawski (J4). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 2 Dec 1983. Morocco: Jorf.
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- 1181 TJ Poprawski (J6). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 10 Feb 1984. Morocco: Jorf.
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- 1183 TJ Poprawski (J7). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 16 Feb 1984. Morocco: Jorf.
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- 1186 [INRA Bb-195] TJ Poprawski. Adult, *Caryedon serratus* [Coleoptera: Bruchidae]. 6 Jun 1983. France: La Minière.
- 1188 TJ Poprawski (E1). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Elbaya.
- 1189 TJ Poprawski (A1). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Achouria.
- 1190 TJ Poprawski (A3). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Feb 1984. Morocco: Achouria.
- 1191 TJ Poprawski (645). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Dec 1983. France: Orléans, Loiret.
- 1192 TJ Poprawski (646). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Anet, Eure-et-Loir.
- 1193 TJ Poprawski (647). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Ecos, Eure.
- 1194 TJ Poprawski (648). Adult, *Sitona lineatus* [Coleoptera: Curculionidae]. Dec 1983. France: Meulan, Yvelines.
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- 1309 TJ Poprawski (A8). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1311 TJ Poprawski (A10). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1312 TJ Poprawski (A11). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1313 TJ Poprawski (A12). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. 8 Feb 1984. Morocco: Achouria.
- 1314 TJ Poprawski (070A). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.
- 1315 TJ Poprawski (070B). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.
- 1316 TJ Poprawski (070C). 3rd instar larva, *Helicoverpa virescens* [Lepidoptera: Noctuidae]. 6 Mar 1984. France: La Minière.
- 1317 TJ Poprawski (074A). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 18 Mar 1983. France: Choisy-en-Brie, Haute-Savoie.

- 1318 TJ Poprawski (074B). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 18 Mar 1983. France: Choisy-en-Brie, Haute-Savoie.
- 1319 TJ Poprawski (076). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1320 TJ Poprawski (078). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1321 TJ Poprawski (079B). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1322 TJ Poprawski (079C). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1323 TJ Poprawski (079D). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1324 TJ Poprawski (079E). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1325 TJ Poprawski (079F). Nymph, *Lygus ?lineolaris* [Hemiptera: Miridae]. 30 Mar 1983. France: Senneville.
- 1326 TJ Poprawski (080). Nymph, [Orthoptera: Acrididae]. 27 Jun 1983. France: Prades, Pyrénées-Orientales.
- 1359 S Balazy (1597a). Rec'd 19 May 1984. Poland.
- 1389 TJ Poprawski (088). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1984. France: Baron.
- 1394 TJ Poprawski (071). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 18 Aug 1983. France: Choisy-en-Brie, Haute-Savoie.
- 1395 TJ Poprawski (075). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 23 Aug 1983. France: Saint-Denis du Pin, Seine-Saint-Denis.
- 1396 TJ Poprawski (077A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 30 Aug 1983. France: Senneville.
- 1397 TJ Poprawski (077B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 30 Aug 1983. France: Senneville.
- 1398 TJ Poprawski (086). Adult, *Hypera postica* [Coleoptera: Curculionidae]. 16 May 1984. France: Marsanne, Drôme.
- 1399 TJ Poprawski (087). Adult, *Hypera postica* [Coleoptera: Curculionidae]. Mar 1984. France: Marsanne, Drôme.
- 1404 TJ Poprawski (092A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 9 Sep 1983. France: Fort la Latte.
- 1405 TJ Poprawski (092B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 9 Sep 1983. France: Fort la Latte.
- 1406 TJ Poprawski (093A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1407 TJ Poprawski (093B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1408 TJ Poprawski (094A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1409 TJ Poprawski (094B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1410 TJ Poprawski (095). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1411 TJ Poprawski (096A). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1412 TJ Poprawski (096B). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 7 Sep 1983. France: Fort la Latte.
- 1413 TJ Poprawski (097). Nymph, *Lygus* sp. [Hemiptera: Miridae]. 13 Oct 1983. France: Senneville.
- 1414 TJ Poprawski (099). Nymph, *Lygus* sp. [Hemiptera: Miridae]. May 1984. France: Senneville.
- 1450 [CNPAF 52; CP 125] F Moscardi. *Sternechus sub-signatus* [Coleoptera: Curculionidae]. 27 Mar 1984. Brazil: Londrina, Paraná.
- 1451 [CNPAF 84-3-12; CP 124] H da Silva Coelho. [Coleoptera: Chrysomelidae]. 12 Mar 1984. Brazil: CNPAF, Goiânia, Goiás.
- 1453 [CNPAF 84-02-30-2; CP 143] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 30 Mar 1984. Brazil: Francisco Beltrão, Paraná.
- 1454 [CNPAF 84-03-28-1F; CP 144] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
- 1455 [CNPAF 84-03-28-D; CP 145] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
- 1456 [CNPAF 84-04-03-6A; CP 146] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 30 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
- 1457 [CNPAF 84-03-28-1A; CP 147] RA Daoust. *Podisus* sp. [Hemiptera: Pentatomidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
- 1458 [CNPAF 84-03-28-1E; CP 148] RA Daoust. *Cerotoma* sp. [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
- 1459 [CNPAF 84-04-03-1E; CP 149] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
- 1460 [CNPAF 84-04-03-1B; CP 150] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
- 1461 [CNPAF 84-03-29-1; CP 151] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 29 Mar 1984. Brazil: Capitão Leônidas Marques, Paraná.
- 1462 [CNPAF 84-03-28-1G; CP 152] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.
- 1463 [CNPAF 84-03-28-1L; CP 153] RA Daoust. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 28 Mar 1984. Brazil: Cascavel, Paraná.

- 1464 [CNPAP 84-04-03-6B; CP 154] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
- 1465 [CNPAP 84-04-03-1A; CP 155] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 3 Apr 1984. Brazil: Augusto Pestana (Ijuí), Rio Grande do Sul.
- 1466 [CNPAP 84-03-31-6; CP 156] RA Daoust and BP Magalhães. *Diabrotica speciosa* [Coleoptera: Chrysomelidae]. 31 Mar 1984. Brazil: Sto. Antonio do Sudoeste, Paraná.
- 1467 [CNPAP 84-04-02-5A; CP 157] RA Daoust and BP Magalhães. *Cerotoma* sp. [Coleoptera: Chrysomelidae]. 2 Apr 1984. Brazil: São Carlos, Santa Catarina.
- 1468 [CNPAP 84-04-02-5B; CP 158] RA Daoust and BP Magalhães. [Hymenoptera: Superfamily Apoidea]. 2 Apr 1984. Brazil: São Carlos, Santa Catarina.
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- 1630 TJ Poprawski (0118A). Larva, *Calliphora* sp. [Diptera: Calliphoridae]. 27 Jun 1984. France: Sèvres, Yvelines.
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- 1649 TJ Poprawski (0145). Adult, *Lygus* sp. [Hemiptera: Miridae]. 22 Aug 1984. France: Drôme.
- 1650 TJ Poprawski (0146). Adult, *Adelphocoris* sp. [Hemiptera: Miridae]. 22 Aug 1984. France: Saint-Denis du Pin, Seine-Saint-Denis.
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- 1810 TJ Poprawski (0161). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Spain: Bahabon de Esgueva.
- 1811 TJ Poprawski (0167C). Adult, *Sitona discoideus* [Coleoptera: Curculionidae]. Acc'd 22 Jan 1985. Morocco: Jorf.
- 1812 TJ Poprawski (0163). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Greece: Thessaloniki.
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- 1822 TJ Poprawski (0162). Adult, *Lygus* sp. [Hemiptera: Miridae]. Acc'd 22 Jan 1985. Greece: Thessaloniki.
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- 1832 SB Alves (197). *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 21 Jan 1985. Brazil.
- 1833 SB Alves (267). *Cosmopolites* sp. [Coleoptera: Curculionidae]. Rec'd 21 Jan 1985. Brazil.
- 1834 SB Alves (268). *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 21 Jan 1985. Brazil.
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- 2989 T Searle (LD3). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 2990 T Searle (LD4). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 2991 T Searle (LD5). Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. Summer 1988. Canada: Sainte-Clotilde, Québec.
- 3018 CENARGEN (CG 68). *Forficula auricularia* [Dermaptera: Forficulidae]. Apr 1988. Brazil: Brasília, Distrito Federal.
- 3019 CENARGEN (CG 69). *Deois flavopicta* [Homoptera: Cercopidae]. Apr 1988. Brazil: Brasília, Distrito Federal.
- 3020 CENARGEN (CG 86). *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 20 Jul 1990. Brazil: Pernambuco.
- 3037 W Mechaber (weevil#2354). Adult, *Anthonomus musculus* [Coleoptera: Curculionidae] on *Gaylussacia baccata*. 20 May 1990. USA: Carver, Massachusetts.
- 3040 WE Jones (SHB). [Coleoptera: Scolytidae] inside macadamia nut kernel. May 1990. USA: Kona, Island of Hawaii, Hawaii.
- 3041 WE Jones (499v2). *Reticulitermes flavipes* [Isoptera: Rhinotermitidae]. Rec'd 7 Aug 1990. Canada: Toronto, Ontario.
- 3042 WE Jones (Hara). Phylum Nemata, Class Secernentea. Rec'd 7 Aug 1990. USA: Island of Hawaii, Hawaii.
- 3055 [MAF F6] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: South Island. Presumptive ID; no conidia or raches seen.
- 3063 [MAF F13] T Glare. *Sitona* sp. [Coleoptera: Curculionidae]. Rec'd Oct 1990. New Zealand: South Island.
- 3065 [MAF F28] T Glare. *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd Oct 1990. New Zealand: South Island.
- 3066 [MAF F29] T Glare. *Paropsis charybdis* [Coleoptera: Chrysomelidae]. Rec'd Oct 1990. New Zealand: South Island.
- 3070 [MAF F33] T Glare. *Aphodius tasmaniae* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: Christchurch, South Island.
- 3086 J Peña ← H Glenn. *Leptoglossus fulvicornis* [Hemiptera: Coreidae] on holly. 7 Sep 1990. USA: Homestead, Florida.
- 3097 Fermone Corporation. Rec'd 18 Oct 1990. Location not specified.
- 3098 L Loch ← G Albuquerque. *Oryzophagus oryzae* [Coleoptera: Curculionidae] on rice. Rec'd 29 Oct 1990. Brazil: Pôrto Alegre, Rio Grande do Sul.
- 3111 DW Watson (P 89) ← L Meinke. *Diabrotica virgifera* [Coleoptera: Chrysomelidae]. 13 Sep 1990. USA: Mead, Nebraska.
- 3112 JK Cawthra and CJ Geden (P 89). [Coleoptera: Staphylinidae] originally from beef feed lot. 10 Sep 1990. USA: laboratory colony, Lincoln, Nebraska.
- 3113 [CIRI Anderson Isolate] LC Lewis. Soil isolate passed through *Ostrinia nubilalis* [Lepidoptera: Pyralidae]. Apr 1990. Laboratory manipulation: Iowa State Univ. Research Farm.
- 3120 G Mercadier and TJ Poprawski (8851). [Homoptera: Aphididae] on *Senecio* sp. 10 Jun 1988. France: Béhoust, Yvelines.

- 3121 G Mercadier and TJ Poprawski (8852). [Homoptera: Aphididae] on *Urtica* sp. 10 Jun 1988. France: Garancières, Yvelines.
- 3153 G Mercadier and TJ Poprawski (8809A). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 14 Jun 1988. Turkey: Beypazari, Ankara.
- 3154 G Mercadier and TJ Poprawski (8809B). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 14 Jun 1988. Turkey: Beypazari, Ankara.
- 3155 G Mercadier and TJ Poprawski (8809C). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 14 Jun 1988. Turkey: Akyurt, Ankara.
- 3156 G Mercadier and TJ Poprawski (8809D). *Diuraphis noxia* [Homoptera: Aphididae] on barley. Jun 1988. Turkey: Akyurt, Ankara.
- 3157 G Mercadier and TJ Poprawski (8809E). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 14 Jun 1988. Turkey: Güdül, Ankara.
- 3158 G Mercadier and TJ Poprawski (8809G). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 13 Jun 1988. Turkey: Karasar, Ankara.
- 3166 G Mercadier and TJ Poprawski (8835A). *Diuraphis noxia* [Homoptera: Aphididae] on barley. Jun 1988. Turkey: Beypazari, Ankara.
- 3167 G Mercadier and TJ Poprawski (8835B). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 13 Jun 1988. Turkey: Ayas, Ankara.
- 3168 G Mercadier and TJ Poprawski (8835C). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 12 Jun 1988. Turkey: Sirkeli, Ankara.
- 3169 G Mercadier and TJ Poprawski (8835D). *Diuraphis noxia* [Homoptera: Aphididae] on barley. 13 Jun 1988. Turkey: Urus.
- 3181 GW Riethmacher (B37a). Soil, using *Tenebrio molitor* [Coleoptera: Tenebrionidae] as a trap. 12 Mar 1990. Philippines: Plaridel, Quezon.
- 3197 GW Riethmacher (Bet1). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.
- 3198 GW Riethmacher (Bet2). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.
- 3199 GW Riethmacher (Bet3). [Coleoptera] on potatoes. 12 Oct 1990. Philippines: La Trinidad, Benguet.
- 3215 G Mercadier and TJ Poprawski (8854 (second form)). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 27 Nov 1990. Laboratory manipulation. Reisolate of ARSEF 3122.
- 3216 LK Rieske. *Thrips calcaratus* [Thysanoptera: Thripidae]. Summer 1991. USA: Rusk County, Wisconsin.
- 3219 [CP 478(479?)] DW Roberts ← JM Gomes. *Diabrotica* sp. [Coleoptera: Chrysomelidae]. Rec'd 8 Feb 1991. Brazil.
- 3220 LA Lacey. *Cydia pomonella* [Lepidoptera: Tortricidae]. Rec'd Feb 1991. Portugal.
- 3285 J Gutierrez Samperio (1) ← ERD Reyes. *Atta* sp. [Hymenoptera: Formicidae]. 1987. Mexico: Monterrey, Nuevo León.
- 3286 J Gutierrez Samperio (2) ← ERD Reyes. *Spodoptera littoralis* [Lepidoptera: Noctuidae]. 1987. France: Montpellier, Hérault.
- 3287 J Gutierrez Samperio (3) ← ERD Reyes. *Diabrotica* sp. [Coleoptera: Chrysomelidae] on corn. 1988. Mexico: Colima.
- 3288 J Gutierrez Samperio (4) ← ERD Reyes. *Spodoptera frugiperda* [Lepidoptera: Noctuidae] on corn. 1988. Mexico: Colima.
- 3309 J Gutierrez Samperio (25) ← ERD Reyes. *Diabrotica balteata* [Coleoptera: Chrysomelidae] on corn. 1990. Mexico: Colima.
- 3310 J Gutierrez Samperio (26) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Comala, Colima.
- 3311 J Gutierrez Samperio (27) ← ERD Reyes. *Geraeus senilis* [Coleoptera: Curculionidae] on corn. 1990. Mexico: Colima.
- 3312 J Gutierrez Samperio (28) ← ERD Reyes. [Homoptera: Membracidae] on sugar cane. 1990. Mexico: Cuauhtémoc, Colima.
- 3385 I Majchrowicz (25-a). *Myzus persicae* [Homoptera: Aphididae] on potato. 11 Jul 1991. USA: Orchard Farm, Yakima, Washington.
- 3386 I Majchrowicz (23). [Coleoptera: Carabidae] nr. potato plants. 3 Jul 1991. USA: garden nr. USDA laboratory, Yakima, Washington.
- 3403 MS Goettel. *Ceutorhynchus litura* [Coleoptera: Curculionidae]. Rec'd 6 Mar 1992. Location not specified.
- 3404 AE Hajek (24). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 3 Jun 1991. USA: C & O Canal, Allegany County, Maryland.
- 3405 AE Hajek (18). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: Koontz Lokey, Page County, Virginia.
- 3437 [CATIE 1] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Rec'd 28 Oct 1991. Costa Rica: Turrialba, Cartago.
- 3438 [CATIE 2] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3439 [CATIE 3] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3440 [CATIE 4] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3441 [CATIE 5] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.

- 3442 [CATIE 6] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3443 [CATIE 7] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3444 [CATIE 8] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3445 [CATIE 9] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3446 [CATIE 10] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Aug 1991. Costa Rica: Turrialba, Cartago.
- 3447 [CATIE 11] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3448 [CATIE 12] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3449 [CATIE 13] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.
- 3450 [CATIE 14] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3451 [CATIE 15] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3452 [CATIE 16] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3453 [CATIE 17] TG Zoebisch. *Hypothenemus hampei* [Coleoptera: Scolytidae] on *Coffea arabica*. Rec'd 28 Oct 1991. Nicaragua: Managua.
- 3454 [CATIE 18] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.
- 3455 [CATIE 19] TG Zoebisch. *Notonata* sp. [Coleoptera: Chrysomelidae] on *Bixa orellana*. Jul 1991. Costa Rica: Turrialba, Cartago.
- 3456 [CATIE 20] TG Zoebisch. [Hemiptera: Miridae] on *Erythrina* sp. Apr 1991. Costa Rica: Turrialba, Cartago.
- 3457 [CATIE 21] TG Zoebisch. [Coleoptera: Languriidae] on *Macadamia integrifolia*. Sep 1991. Costa Rica: Turrialba, Cartago.
- 3460 SV Krueger (540). Soil. Jun 1991. USA: Smith Forest, Trumansburg, New York.
- 3462 MS Goettel (MISI). Soil. 12 Jul 1991. Canada: nr. Magrath, Alberta.
- 3477 CENARGEN (CG 187). Soil. 1990. Brazil: Pelotas, Rio Grande do Sul.
- 3513 I Quintela (VL5). Rec'd 13 Dec 1991. Location not specified.
- 3514 I Quintela (VL6). Rec'd 13 Dec 1991. Colombia.
- 3515 I Quintela (VL7). Rec'd 13 Dec 1991. Location not specified.
- 3516 I Quintela. Rec'd 13 Dec 1991. Location not specified.
- 3527 AE Hajek (58a). 6th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 13 Jun 1991. USA: nr. Ruckersville, Greene County, Virginia.
- 3528 AE Hajek (61c). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 19 Jun 1991. USA: Belle Acre, Allegheny County, Pennsylvania.
- 3529 AE Hajek (73a). 5th instar larva, *Lymantria dispar* [Lepidoptera: Lymantriidae]. 11 Jun 1991. USA: Resurrection, Prince Georges County, Maryland.
- 3530 AE Hajek (220b). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 10 Jun 1991. USA: nr. Piclic Run, Allegany County, Maryland.
- 3534 SM DeFazio and PD McKown (C-7). *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Nov 1991. Location not specified.
- 3543 M Brownbridge (B-33). Soil, using *Galleria melonella* [Lepidoptera: Pyralidae] as a trap. 19 Nov 1991. USA: Ralph's sugar maple stand, Warren, Vermont.
- 3607 IMI (I91-612). *Anacridium aegyptium*. Rec'd 26 Feb 1992. Greece: Crete.
- 3620 IMI (Mycotech). *Melanoplus* sp. [Orthoptera: Acrididae]. Rec'd 26 Feb 1992. USA.
- 3622 IMI (331275). [Orthoptera]. Rec'd 26 Feb 1992. USA.
- 3667 AE Hajek (BFMS). [Coleoptera: Curculionidae]. Apr 1991. USA: New York.
- 3681 LS Osborne. Organic Naturalis. Rec'd Apr 1992. Location not specified.
- 3716 RA LeBrun ← J Hanula (C-2). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1992. Location not specified.
- 3717 RA LeBrun ← J Hanula (C-3). *Popillia japonica* [Coleoptera: Scarabaeidae]. Summer 1991. Location not specified.
- 3734 SB Alves (447). Rec'd 12 Jun 1992. Location not specified.
- 3769 DC Steinkraus. *Lygus lineolaris* [Hemiptera: Miridae]. 12 Jun 1992. USA: Little River County, Arkansas.
- 3818 ERD Reyes (BbCO1). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] coffee. 9 Oct 1992. Mexico: Oaxaca.
- 3819 ERD Reyes (BbCO2). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae] on coffee. 9 Oct 1992. Mexico: Oaxaca.
- 3825 S Walsh (3762T5) ← ARSEF (3762). Rec'd 19 Feb 1993. Laboratory manipulation.

- 3858 [JB Tavares BRA-000035] MS Tigano-Milani (CG-86). *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 13 Jan 1993. Brazil.
- 3866 LA Lacey (92214). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Crete.
- 3867 LA Lacey (92178) ← A Farias. *Diuraphis noxia* [Homoptera: Aphididae]. 28 Jul 1992. France: Montpellier, Hérault.
- 3890 [ARSEF 3385] N Underwood (U3385). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3891 [ARSEF 3166] N Underwood (3166). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3892 N Underwood (2457). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 17 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3893 LA Lacey (92179) ← A Farias. *Diuraphis noxia* [Homoptera: Aphididae]. 28 Jul 1993. France: Montpellier, Hérault.
- 3897 LA Lacey (92219). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Iráklion, Crete.
- 3898 LA Lacey (92223). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Iráklion, Crete.
- 3905 [ARSEF 2882] N Underwood (U2882). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 5 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3906 [ARSEF 1555] N Underwood (U1555). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3907 [ARSEF 2320] N Underwood (U2320). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3908 [ARSEF 3908] N Underwood (U3908). *Diuraphis noxia* [Homoptera: Aphididae]. Rec'd 29 Mar 1993. Laboratory manipulation: Reisolated from bioassay.
- 3927 DR Sosa-Gómez (CNPSO-Bb46). Host not specified. Rec'd Jun 1993. Location not specified. Reisolate of either ARSEF 944 or 933: not specified.
- 3934 DR Sosa-Gómez (CNPSO-Bb56). Host not specified. Rec'd Jun 1993. Location not specified. Reisolate of either ARSEF 944 or 933: not specified.
- 3965 LA Lacey (93002) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3966 LA Lacey (93003) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3967 LA Lacey (93004) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3968 LA Lacey (93005) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3969 LA Lacey (93006) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3970 LA Lacey (93007) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3971 LA Lacey (93008) ← F Herard. Larva, *Yponomeutidae* sp. [Lepidoptera: Yponomeutidae]. 4 May 1993. France: Bagnols, S/Céze.
- 3972 LA Lacey (93009) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3973 LA Lacey (93010) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3974 LA Lacey (93011) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3975 LA Lacey (93012) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3977 LA Lacey (93014) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3978 LA Lacey (93015) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3979 LA Lacey (93016) ← F Herard. Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 4 May 1993. France: Le Vigan, Gard.
- 3995 LA Lacey (93032) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.
- 3996 LA Lacey (93033) ← A Lacasa. *Frankliniella occidentalis* [Thysanoptera: Thripidae]. 1993. Spain: Murcia.
- 3999 LA Lacey (93036) ← Hermes. [Homoptera: Membracidae]. 4 Apr 1993. Brazil: Bahia.
- 4001 [A Mesquita] LA Lacey (93038). *Crimissa cruralis* [Coleoptera: Chrysomelidae]. 3 May 1993. Brazil: Pacajus, Ceará.
- 4012 T Steenberg (194) ← M Steen. *Delia radicum* [Diptera: Anthomyiidae]. Jul 1989. Denmark: Insect Rearing Unit, Zealand.
- 4013 T Steenberg (195) ← A Kirkeby-Thomse. *Sitona lineatus* [Coleoptera: Curculionidae]. Sep 1993. Denmark: Copenhagen, Tåstrup, Zealand.
- 4014 T Steenberg (195-S) ← A Kirkeby-Thomse. Sep 1989. Laboratory manipulation: Single spore isolate of ARSEF 4013.
- 4015 T Steenberg (196) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae]. Sep 1989. Denmark: Falster, Storstrøm.
- 4016 T Steenberg (201) ← V Langer. *Sitona lineatus* [Coleoptera: Curculionidae] on white clover. Mar 1990. Denmark: Ringsted, Zealand.

- 4017 T Steenberg (201-S) ← V Langer. Mar 1990. Laboratory manipulation: Single spore isolate of ARSEF 4016.
- 4018 T Steenberg (202) ← J Eilenberg. *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Mar 1990. Denmark: Jægerspris, Zeeland.
- 4019 T Steenberg (205) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae]. Mar 1990. Denmark.
- 4021 T Steenberg (212) ← HP Ravn. *Sitona lineatus* [Coleoptera: Curculionidae] on pea. Jul 1990. Denmark: Pajbjerg, Jutland.
- 4023 T Steenberg (217). *Apion* sp. [Coleoptera: Curculionidae] on alfalfa. Oct 1990. Denmark: Copenhagen, Tåstrup, Zealand.
- 4026 T Steenberg (228). Phylum Arthropoda, Class Insecta soil. Nov 1990. Denmark: Næstved, Zeeland.
- 4027 T Steenberg (231) ← CW Riedel. *Coccinella septempunctata* [Coleoptera: Coccinellidae]. Nov 1990. Denmark: Slangerup, Zeeland.
- 4028 T Steenberg (233) ← CW Riedel. *Tachyporus* sp. [Coleoptera: Staphylinidae]. Jan 1991. Denmark: Svanholm, Zeeland.
- 4030 Acc'd 8 Dec 1993.
- 4031 T Steenberg (237) ← CW Riedel. *Amara plebeja* [Coleoptera: Carabidae]. Jan 1991. Denmark: Foulum, Jutland.
- 4032 T Steenberg (238) ← CW Riedel. *Bembidion lampros* [Coleoptera: Carabidae]. Jan 1991. Denmark: Svanholm, Zeeland.
- 4034 T Steenberg (240). *Amara familiaris* [Coleoptera: Carabidae]. Mar 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4035 T Steenberg (244) ← A Kirkeby-Thomse. [Heteroptera: Miridae] Alfalfa. Sep 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4038 T Steenberg (253). *Hypera postica* [Coleoptera: Curculionidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4041 T Steenberg (261). *Sitona lineatus* [Coleoptera: Curculionidae]. Oct 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4042 T Steenberg (264). [Araneida] extracted from turf of *Medicago sativa*. Dec 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4046 T Steenberg (276) ← V Langer. *Anotylus* sp. [Coleoptera: Staphylinidae]. Nov 1991. Denmark: Copenhagen, Tåstrup, Zealand.
- 4049 T Steenberg (298). *Hypera postica* [Coleoptera: Curculionidae]. Mar 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4051 T Steenberg (349). *Anotylus rugosus* [Coleoptera: Staphylinidae]. Nov 1992. Denmark: Brenderup, Fyn.
- 4052 T Steenberg (355). [Coleoptera: Curculionidae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4053 T Steenberg (356). *Lygus* sp. [Heteroptera: Miridae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4054 T Steenberg (359). *Gyrophynus angustatus* [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4055 T Steenberg (362). [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Brenderup, Fyn.
- 4056 T Steenberg (365). *Anotylus rugosus* [Coleoptera: Staphylinidae]. Oct 1992. Denmark: Brenderup, Fyn.
- 4057 T Steenberg (426). [Heteroptera]. Oct 1992. Denmark: Copenhagen, Tåstrup, Zealand.
- 4091 LA Lacey (94001). *Tibraca limbativentres* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.
- 4092 LA Lacey (94002). *Nezara viridula* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.
- 4093 LA Lacey (94003). *Nezara viridula* [Hemiptera: Pentatomidae]. Rec'd 28 Mar 1994. Brazil.
- 4099 [ARSEF 2879] J McManus (DnBb2g4p.ss1). *Diuraphis noxia* [Homoptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolate of ARSEF 4108.
- 4100 [ARSEF 2879] J McManus (DnBb2g4p.ss2). *Diuraphis noxia* [Homoptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolate of ARSEF 4108.
- 4101 [ARSEF 2879] J McManus (DnBb2g4p.ss3). *Diuraphis noxia* [Homoptera: Aphididae]. 5 Apr 1994. Laboratory manipulation: USPSNL; Ithaca, NY. Single spore reisolate of ARSEF 4108.
- 4105 [ARSEF 2879] JD Vandenberg (DnBb2j3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation. Reisolate of ARSEF 2879.
- 4106 JD Vandenberg (DnBb2i3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4107 JD Vandenberg (DnBb2h2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4108 JD Vandenberg (DnBb2g2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4109 JD Vandenberg (DnBb2d2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4110 JD Vandenberg (DnBb2b2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4111 JD Vandenberg (DnBb2e2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.

- 4112 JD Vandenberg (DnBb2f2p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4113 JD Vandenberg (DnBb1a3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4114 JD Vandenberg (DnBb1b3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4115 JD Vandenberg (DnBb1c3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4116 JD Vandenberg (DnBb1d3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4117 JD Vandenberg (DnBb1e3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4118 JD Vandenberg (DnBb1f3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4119 JD Vandenberg (DnBb1g3p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4120 JD Vandenberg (DnBb1h4p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4121 JD Vandenberg (DnBb1j4p). *Diuraphis noxia* [Homoptera: Aphididae]. 20 Dec 1993. Laboratory manipulation: USPSNL; Ithaca, NY. Reisolate of ARSEF 2879.
- 4122 S Gupta (2934). Rec'd 3 May 1994. Found as a contaminant in ARSEF 2934.
- 4130 [DAT 7; RJ Milner F11] AC Rath (F007). *Rhopaea magnicornis* [Coleoptera: Scarabaeidae]. 12 Jul 1979. Australia: Guyra, New South Wales.
- 4135 [DAT 15] AC Rath (F015). Larva, *Adoryphorus couloni* [Coleoptera: Scarabaeidae]. 9 Mar 1986. Australia: Laboratory, Newtown, Tasmania.
- 4136 [DAT 17] AC Rath (F017). Larva, *Adoryphorus couloni* [Coleoptera: Scarabaeidae]. 9 Mar 1986. Australia: Laboratory, Newtown, Tasmania.
- 4149 [DAT 142] AC Rath (F142). Pre-pupa, *Adoryphorus couloni* [Coleoptera: Scarabaeidae]. 23 Jun 1989. Australia: Glen Morey, Woodbury, Tasmania.
- 4150 [DAT 144] AC Rath (F144). Nymph, *Phaulacridium vittatum* [Orthoptera: Acrididae]. 23 Jun 1989. Australia: Glen Morey, Woodbury, Tasmania.
- 4165 [DAT 193] AC Rath (F193) ← H Yip (HY168). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.
- 4200 LA Lacey (94013) ← La Casa. Larva, *Haplothrips tritici* [Thysanoptera: Phlaeothripidae]. 28 Feb 1993. Spain: Murcia.
- 4222 [DAT 224] AC Rath (F224) ← H Yip (HY137). Soil. 23 Aug 1988. Australia: Burnie, Tasmania.
- 4240 [DAT 309] AC Rath (F309) ← H Yip (HY50). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.
- 4258 [DAT 49] AC Rath (F049). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 6 Nov 1987. Australia: Sorell, Tasmania. With some resemblance to *Microhilum oncoperae*.
- 4261 [DAT 251] AC Rath (F251) ← H Yip (HT109). Soil. 8 Jun 1988. Australia: Forcett, Tasmania.
- 4271 [DAT 232] AC Rath (F232) ← H Yip (HY129). Soil. 18 Jul 1988. Australia: Elverton, Blessington, Tasmania.
- 4273 [DAT 9] AC Rath (F009) ← Pinnock. Larva, *Oncopera* sp. [Lepidoptera: Hepialidae]. 1983. Australia: South Australia.
- 4274 [DAT 143] AC Rath (F143). Adult, *Adoryphorus couloni* [Coleoptera: Scarabaeidae]. 23 Jun 1989. Australia: Glen Morey, Woodbury, Tasmania.
- 4276 [DAT 99] AC Rath (F099) ← H Yip. Soil. 7 Jan 1988. Australia: Weld Pass, Tasmania.
- 4285 [DAT 199] AC Rath (F199) ← H Yip (HY162). Soil. 9 Sep 1988. Australia: Exeter, Tasmania.
- 4289 [DAT 500] AC Rath (F500). Soil. Rec'd 6 Jun 1994. Australia: Macquarie Island.
- 4297 [DAT 85] AC Rath (F085) ← H Yip. Soil. Rec'd 6 Jun 1994. Australia: Mt. Wellington, Hobart, Tasmania.
- 4300 [DAT 276] AC Rath (F276) ← H Yip (HY84). Soil. Rec'd 6 Jun 1994. Australia: Connerville, Poatina, Tasmania.
- 4301 [DAT 328] AC Rath (F328) ← H Yip (HY30). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.
- 4302 [DAT 333] AC Rath (F333) ← H Yip (HY26). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania.
- 4305 [DAT 327] AC Rath (F327) ← H Yip (HY31). Soil. Rec'd 6 Jun 1994. Australia: Fairfield, Epping Forest, Tasmania.
- 4320 [DAT 334] AC Rath (F334) ← H Yip (HY25). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania.
- 4326 [DAT 288] AC Rath (F288) ← H Yip (HY72). Soil. Rec'd 6 Jun 1994. Australia: Tervue, York Plains, Tasmania.
- 4353 [DAT 335] AC Rath (F335) ← H Yip (HY24). Soil. Rec'd 6 Jun 1994. Australia: Hobart, Tasmania.

- 4356 [DAT 243] AC Rath (F243) ← H Yip (HY118). Soil. Rec'd 6 Jun 1994. Australia: Latrobe, Tasmania.
- 4377 LA Lacey (94106). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.
- 4378 LA Lacey (94107). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.
- 4379 LA Lacey (94108). Soil. 25 Apr 1994. Japan: Hokkaido University, Hokkaido Prefecture.
- 4382 LA Lacey (94140) ← CAAS (93.1). [Coleoptera]. 7 May 1994. Location not specified.
- 4462 J McManus (DnBb203PSS#1). *Diuraphis noxia* [Homoptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derived from a diamond back moth isolation named 5BSS#4.
- 4463 J McManus (DnBb203PSS#2). *Diuraphis noxia* [Homoptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derived from a diamond back moth isolation named 5BSS#4.
- 4464 J McManus (DnBb203PSS#3). *Diuraphis noxia* [Homoptera: Aphididae]. 6 Jun 1994. USA: Ithaca, New York. Single spore isolate derived from a diamond back moth isolation named 5BSS#4.
- 4523 JD Vandenberg (APH3). [Homoptera: Aphididae] broccoli. Rec'd 13 Jul 1994. USA: Ontario County, New York.
- 4524 JD Vandenberg (APH6). [Homoptera: Aphididae] broccoli. Rec'd 13 Jul 1994. USA: Ontario County, New York.
- 4525 JD Vandenberg (DBM1b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4526 JD Vandenberg (DBM1b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4527 JD Vandenberg (DBM2a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4528 JD Vandenberg (DBM2b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4529 JD Vandenberg (DBM3a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4530 JD Vandenberg (DBM3b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4531 JD Vandenberg (DBM4a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4532 JD Vandenberg (DBM4b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4533 JD Vandenberg (DBM5a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4534 JD Vandenberg (DBM5b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4535 JD Vandenberg (DBM6a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4536 JD Vandenberg (DBM6b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4537 JD Vandenberg (DBM8a). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4538 JD Vandenberg (DBM8b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4539 JD Vandenberg (DBM10b). Larva, *Plutella xylostella* [Lepidoptera: Plutellidae] broccoli. 30 Aug 1993. USA: Ontario County, New York.
- 4540 J Altre (BB5B#1). 4th instar larva, *Plutella xylostella* [Lepidoptera: Plutellidae] Artificial diet. 25 Apr 1994. USA: USDA-ARS-PPRU, Ithaca, New York. Single spore isolate of ARSEF 4534.
- 4541 J Altre (BB5B#2). 4th instar larva, *Plutella xylostella* [Lepidoptera: Plutellidae] Artificial diet. 25 Apr 1994. USA: USDA-ARS-PPRU, Ithaca, New York. Single spore isolate of ARSEF 4534.
- 4542 J Altre (BB5B#3). 4th instar larva, *Plutella xylostella* [Lepidoptera: Plutellidae] Artificial diet. 25 Apr 1994. USA: USDA-ARS-PPRU, Ithaca, New York. Single spore isolate of ARSEF 4534.
- 4543 J Altre (BB5B#4). 4th instar larva, *Plutella xylostella* [Lepidoptera: Plutellidae] Artificial diet. 25 Apr 1994. USA: USDA-ARS-PPRU, Ithaca, New York. Single spore isolate of ARSEF 4534.
- 4564 [DAT 307] AC Rath (F307) ← H Yip (HY52). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.
- 4571 [DAT 336] AC Rath (F336) ← H Yip (HY23). Soil. 6 Jan 1988. Australia: Silver Falls, Hobart, Tasmania.
- 4580 [DAT 460] AC Rath (F460). [Orthoptera: Acrididae]. Rec'd 1 Sep 1994. Australia: Tasmania.
- 4583 [DAT 305] AC Rath (F305) ← H Yip (HY54). Soil. 19 Feb 1988. Australia: Avoca, Tasmania.
- 4589 [DAT 42] AC Rath (F42) ← RJ Milner (F125). Larva, *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 13 Feb 1980. Australia: Ebor, New South Wales.
- 4598 [DAT 308] AC Rath (F308) ← H Yip (HY51). Soil. 18 Feb 1988. Australia: Benham, Avoca, Tasmania.
- 4607 [DAT 41] AC Rath (F041) ← RJ Milner (F117). Larva, *Oncopera alboguttata* [Lepidoptera: Hepialidae]. 6 Dec 1976. Australia: Ebor, New South Wales.
- 4611 [DAT 90] AC Rath (F090). Soil. 28 Dec 1987. Australia: Glen Morey, Woodbury, Tasmania.
- 4612 [DAT 95] AC Rath (F095). Soil. 6 Jan 1988. Australia: Mt. Wellington, Hobart, Tasmania.

- 4616 [DAT 84] AC Rath (F084). Soil. 30 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4622 [DAT 459] AC Rath (F459). [Orthoptera: Acrididae]. Rec'd 1 Sep 1993. Australia: Tasmania.
- 4642 [DAT 16] AC Rath (F016). Larva, *Adoryphorus couloni* [Coleoptera: Scarabaeidae]. 3 Sep 1986. Australia: Laboratory, Newtown, Tasmania.
- 4644 [DAT 329] AC Rath (F329) ← H Yip (HY29). Soil. 7 Jan 1988. Australia: Welborough, Tasmania.
- 4658 [DAT 102] AC Rath (F102). Soil. 14 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4667 [DAT 509] AC Rath (F509). Phylum Arthropoda, Class Insecta. 11 Feb 1994. USA: Univ. of Florida, Homestead, Florida.
- 4670 [DAT 219] AC Rath (F219) ← H Yip (HY142). Soil. 23 Aug 1988. Australia: Edith Creek, Tasmania.
- 4672 [DAT 48] AC Rath (F048). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 30 Sep 1987. Australia: Plenty, Tasmania.
- 4675 [DAT 358] AC Rath (F358) ← H Yip (HY223). Soil. 28 Oct 1988. Australia: Avoca, Tasmania.
- 4679 [DAT 112] AC Rath (F112). Soil. 3 Jan 1988. Australia: Benham Estate, Avoca, Tasmania.
- 4685 [DAT 115] AC Rath (F115). Soil. 14 Jan 1988. Australia: Lockfaine Benham, Avoca, Tasmania.
- 4686 [DAT 83] AC Rath (F083). Host not specified. Rec'd 9 Sep 1994. Location not specified.
- 4688 KT Hodge (kth24). [Odonata: suborder Anisoptera]. 31 Aug 1994. USA: Cornell University wildflower garden, Ithaca, New York.
- 4691 J McManus (DnBb30.252.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. Manipulation., Ithaca, New York. Reisolate of ARSEF 252. Passed through RWA.
- 4692 J McManus (DnBb30.320.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 320 passed through RWA.
- 4693 J McManus (DnBb30 and 708.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 708 passed through RWA.
- 4694 J McManus (DnBb25 and 2882.3Pss#1). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 2882 passed through RWA.
- 4695 J McManus (DnBb30 and 2883.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 2883 passed through RWA.
- 4696 J McManus (DnBb30 and 3385.3P). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. Reisolate of ARSEF 3385 passed through RWA.
- 4697 J McManus (DnBb25 and F-1.3Pss#1). Adult, *Diuraphis noxia* [Homoptera: Aphididae]. 24 Aug 1994. USA: USPSNL. Lab. manipulation., Ithaca, New York. An isolate from grasshoppers named F-2 was passed through and reisolated from RWA during a screening assay.
- 4721 [DAT 140] AC Rath (F140). Adult, *Adoryphorus couloni* [Coleoptera: Scarabaeidae]. Spring 1989. Australia: Glen Morey, Woodbury, Tasmania.
- 4728 [DAT 193] AC Rath (F193) ← H Yip (HY168). Soil. 26 Sep 1988. Australia: Springmere, Beaconsfield, Tasmania.
- 4741 [DAT 330] AC Rath (F330) ← H Yip (HY28). Soil. 1 Jun 1988. Australia: St Mary's, Tasmania.
- 4744 [DAT 346] AC Rath (F346) ← H Yip (HY13). Soil. 30 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4745 [DAT 347] AC Rath (F347) ← H Yip (HY11). Soil. 28 Dec 1987. Australia: The Braes, Woodbury, Tasmania.
- 4798 J Brito (7A). *Cosmopolites sordidus* [Coleoptera: Curculionidae]. Rec'd 14 Oct 1994. West Africa: Cape Verde Islands.
- 4799 J Brito (14A). *Cosmopolites sordidus* [Coleoptera: Curculionidae]. Rec'd 14 Oct 1994. West Africa: Cape Verde Islands.
- 4866 BL Parker (AVRDC-0511B). Soil. 10 Nov 1994. Republic of China: AVRDC Field #92, Taiwan.
- 4973 J McManus (HcBbV64 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. Rec'd 30 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4974 J McManus (HcBbF66.1 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4975 J McManus (HcBbF66.2 2p). Adult, *Hippodamia convergens* [Coleoptera: Coccinellidae]. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4976 J McManus (DnBbV64.1 2p). Adult, *Diuraphis noxia* [Homoptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4977 J McManus (DnBbV64.2 2p). Adult, *Diuraphis noxia* [Homoptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4978 J McManus (DnBbV64.3 2p). Adult, *Diuraphis noxia* [Homoptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.
- 4979 J McManus (DnBbV64.4 2p). Adult, *Diuraphis noxia* [Homoptera: Aphididae] on barley and wheat. 19 Oct 1995. USA: Laboratory conditions, Ithaca, New York.

- 4980 LA Lacey (95040). Adult, *Tomicus minor* [Coleoptera: Scolytidae]. 6 Apr 1995. France: Saint-Etienne, de Gourgas.
- 4981 LA Lacey (95036) ← TJ Poprawski. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 4982 LA Lacey (95037) ← TJ Poprawski. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 4983 LA Lacey (95038) ← TJ Poprawski. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 4984 LA Lacey (95039) ← TJ Poprawski. *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Jul 1994. Philippines: Luzon.
- 5063 LA Lacey (95055). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5064 LA Lacey (95056). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5065 LA Lacey (95057). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5066 LA Lacey (95058). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5067 LA Lacey (95059). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5068 LA Lacey (95061). *Cydia pomonella* [Lepidoptera: Tortricidae]. 12 Oct 1995. France: Port d' Hérault.
- 5069 LA Lacey (95060). [Hymenoptera: Formicidae]. 12 Oct 1995. France: Port d' Hérault.
- 5070 LA Lacey (95062). *Tomicus minor* [Coleoptera: Scolytidae]. 5 Oct 1995. France: Lodéve, Hérault.
- 5071 LA Lacey (95063). *Tomicus minor* [Coleoptera: Scolytidae]. 5 Oct 1995. France: Lodéve, Hérault.
- 5072 LA Lacey (95064). [Coleoptera: Cerambycidae]. 6 Oct 1995. France: Lodéve, Hérault.
- 5148 DL Hostetter (T090). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae] soil, pasture. 29 Jan 1996. Portugal: Terceira Island, Azores.
- 5150 DL Hostetter (T103). Larva, *Popillia japonica* [Coleoptera: Scarabaeidae] soil, pasture. 29 Jan 1996. Portugal: Terceira Island, Azores.
- 5169 S Gouli (GA-81). [Lepidoptera: Tortricidae] on *Tsuga canadensis*. 29 Jan 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5170 S Gouli (GA-82). *Adelges tsugae* [Homoptera: Adelgidae] on *Tsuga canadensis*. 29 Jan 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5171 S Gouli (GA-83). *Adelges tsugae* [Homoptera: Adelgidae] on *Tsuga canadensis*. 14 Feb 1996. USA: Mt. Tom, Holyoke, Massachusetts.
- 5172 S Gouli (GA-84). [Araneida: Araneae]. 29 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5173 S Gouli (GA-85). [Araneida: Araneae]. 24 May 1995. USA: R. Angellilo's sugar maple stand, North Field, Vermont.
- 5195 RA LeBrun. Larva, *Liliocercis lilii* [Coleoptera: Chrysomelidae]. Rec'd 20 May 1996. URI.
- 5228 LA Lacey (96006). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5229 LA Lacey (96007). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5230 LA Lacey (96008). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5231 LA Lacey (96009). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5232 LA Lacey (96010). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5233 LA Lacey (96011). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5234 LA Lacey (96012). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5235 LA Lacey (96013). *Cydia pomonella* [Lepidoptera: Tortricidae]. 24 May 1996. France: Pont d' Hérault, Hérault.
- 5273 SARL (33) ← SP Wraight (SARL 33) ← APHIS (WFP-361) and LA Lacey (92221). *Melanoplus* sp. [Orthoptera: Acrididae]. 19 Nov 1992. Greece: Crete.
- 5274 SARL (41) ← SP Wraight (Lacey 92221-Bt1) ← L Lacey (92221-Bt1) and SARL (33). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.
- 5275 SARL (106) ← SP Wraight (252-Bt-1; SPW-42) ← ARSEF (252). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.
- 5276 SARL (107) ← SP Wraight (252 Bt-2; SPW-43) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory Manipulation.
- 5277 SARL (108) ← SP Wraight (252-Bt-3; SPW-44) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.
- 5278 SARL (110) ← SP Wraight (252-Bt-1) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.
- 5279 SARL (111) ← SP Wraight (252-Bt-3) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.

- 5280 SARL (112) ← SP Wraight (252-BT-4) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Pointsettia. 19 Aug 1993. USA: Laboratory manipulation, South Burlington, Vermont.
- 5281 SARL (122) ← SP Wraight (252-Bt-5) ← ARSEF (252) ← SARL (22). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.
- 5282 SARL (123) ← SP Wraight (252-Bt-6) ← SARL (22) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae]. 1 Apr 1993. Location not specified: Laboratory manipulation.
- 5283 SARL (133) ← SARL (133) ← SP Wraight (252-Bt-1) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. Rec'd 9 Aug 1996. USA: Laboratory manipulation/Field trail, Phoenix, Arizona.
- 5284 SARL (134) ← SP Wraight (252-BT-2) ← ARSEF (252). Nymph, *Bemisia tabaci* [Homoptera: Aleyrodidae] Cotton. Rec'd 9 Aug 1996. USA: Laboratory manipulation/Field trail, Phoenix, Arizona.
- 5285 SARL (144) ← SP Wraight (252-Bt-x3) ← ARSEF (252). *Bemisia tabaci* [Homoptera: Aleyrodidae]. Rec'd 9 Aug 1996. Location not specified: Laboratory manipulation.
- 5286 SARL (155) ← TJ Poprawski ← ARSEF (252). *Lepidoptarsa decemlineata* [Coleoptera: Chrysomelidae]. Rec'd 9 Aug 1996. Location not specified.
- 5287 SARL (160) ← RI Carruthers, JC Legaspi and TJ Poprawski (9436). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.
- 5288 SARL (161) ← RI Carruthers, JC Legaspi and TJ Poprawski (9446). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.
- 5289 SARL (162) ← RI Carruthers, JC Legaspi and TJ Poprawski (9432). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5290 SARL (163) ← RI Carruthers, JC Legaspi and TJ Poprawski (9474). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5291 SARL (164) ← RI Carruthers, JC Legaspi and TJ Poprawski (9499). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5292 SARL (165) ← RI Carruthers, JC Legaspi and TJ Poprawski (9494). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] Hollyhock. Mar 1994. Philippines: Baguio, Benguet.
- 5293 SARL (166) ← RI Carruthers, JC Legaspi and TJ Poprawski (9485). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5294 SARL (167) ← RI Carruthers, JC Legaspi and TJ Poprawski (9480). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5295 SARL (168) ← RI Carruthers, JC Legaspi and TJ Poprawski (9429). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5296 SARL (169) ← RI Carruthers, JC Legaspi and TJ Poprawski (9423). Adult, *Bemisia tabaci* [Homoptera: Aleyrodidae] *Helianthus* sp. Mar 1994. Philippines: Baguio, Benguet.
- 5339 DW Watson (P 89) ← CJ Geden (P 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Powell Farm, Seneca County, New York.
- 5340 DW Watson (L 89) ← CJ Geden (L 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Lockwood Farm, Cayuga County, New York.
- 5341 DW Watson (W 89) ← CJ Geden (W 89). *Musca domestica* [Diptera: Muscidae]. Summer 1989. USA: Wood Farm, Schuyler County, New York.
- 5342 DW Watson (B 90) ← CJ Geden (B 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Bishop Farm, Cayuga County, New York.
- 5343 DW Watson (D 90) ← CJ Geden (D 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Dann Farm, Tompkins County, New York.
- 5344 DW Watson (H 90) ← CJ Geden (H 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Howland Farm, Tioga County, New York.
- 5345 DW Watson (L 90) ← CJ Geden (L 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Lockwood Farm, Cayuga County, New York.
- 5346 DW Watson (Pow 90) ← CJ Geden (Pow 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Power Farm, Cortland County, New York.
- 5347 DW Watson (W 90) ← CJ Geden (W 90). *Musca domestica* [Diptera: Muscidae]. Summer 1990. USA: Wood Farm, Schuyler County, New York.
- 5370 I Klingen (NCRI 2-96 (B2)). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] Soil sample (loam). 10 May 1996. Norway: Border vegetation of cereal field, Bjørnebekk (59.43° N), Ås, Akershus.
- 5436 TJ Poprawski (TJP901) ← G Mercadier (EBCL 97001). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5437 TJ Poprawski (TJP902) ← G Mercadier (EBCL 97002). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5438 TJ Poprawski (TJP903) ← G Mercadier (EBCL 97003). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.

- 5439 TJ Poprawski (TJP904) ← G Mercadier (EBCL 97004). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5440 TJ Poprawski (TJP905) ← G Mercadier (EBCL 97005). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5441 TJ Poprawski (TJP906) ← G Mercadier (EBCL 97027). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.
- 5442 TJ Poprawski (TJP907) ← G Mercadier (EBCL 97028). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5443 TJ Poprawski (TJP908) ← G Mercadier (EBCL 97016). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5444 TJ Poprawski (TJP909) ← G Mercadier (EBCL 97017). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5445 TJ Poprawski (TJP910) ← G Mercadier (EBCL 97018). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5446 TJ Poprawski (TJP911) ← G Mercadier (EBCL 97019). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5447 TJ Poprawski (TJP912) ← G Mercadier (EBCL 97020). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5448 TJ Poprawski (TJP913) ← G Mercadier (EBCL 97021). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5449 TJ Poprawski (TJP914) ← G Mercadier (EBCL 97022). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5450 TJ Poprawski (TJP915) ← G Mercadier (EBCL 97023). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5451 TJ Poprawski (TJP916) ← G Mercadier (EBCL 97024). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5452 TJ Poprawski (TJP917) ← G Mercadier (EBCL 97025). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5453 TJ Poprawski (TJP918) ← G Mercadier (EBCL 97026). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5454 TJ Poprawski (TJP919) ← G Mercadier (EBCL 97011). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5455 TJ Poprawski (TJP920) ← G Mercadier (EBCL 97012). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5456 TJ Poprawski (TJP921) ← G Mercadier (EBCL 97013). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5457 TJ Poprawski (TJP922) ← G Mercadier (EBCL 97014). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5458 TJ Poprawski (TJP923) ← G Mercadier (EBCL 97015). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5459 TJ Poprawski (TJP924) ← G Mercadier (EBCL 97029). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5460 TJ Poprawski (TJP925) ← G Mercadier (EBCL 97030). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5461 TJ Poprawski (TJP926) ← G Mercadier (EBCL 97031). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5465 TJ Poprawski (TJP930). Overwintering adult, *Galerucella* sp. [Coleoptera: Chrysomelidae]. Rec'd 9 May 1997. USA: USDA-APHIS-PPQ Biocontrol Laboratory, Mission, Texas.
- 5466 TJ Poprawski (TJP931). Soil. 19 Nov 1996. USA: potato field sprayed with Mycotrol-ES; 10 cm deep., Larimore, North Dakota.
- 5467 TJ Poprawski (TJP932). Soil. 19 Nov 1996. USA: potato field sprayed with Mycotrol-ES; 20 cm deep., Larimore, North Dakota.
- 5468 TJ Poprawski (TJP933). Soil. 19 Nov 1996. USA: potato field sprayed with Mycotrol-ES; 20 cm deep., Larimore, North Dakota.
- 5477 G Mercadier (EBCL 97006). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 10 Jan 1997. Ivory Coast: RCI.5, Abengourou.
- 5478 G Mercadier (EBCL 97007). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5479 G Mercadier (EBCL 97008). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5480 G Mercadier (EBCL 97009). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5481 G Mercadier (EBCL 97010). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 26 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5482 G Mercadier (EBCL 97032). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.
- 5483 G Mercadier (EBCL 97033). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 9 Jan 1997. Ivory Coast: RCI.3, Ayenoua.
- 5484 G Mercadier (EBCL 97034). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.6, Toumbokri.
- 5485 G Mercadier (EBCL 97036). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.

- 5486 G Mercadier (EBCL 97037). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5487 G Mercadier (EBCL 97038). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 14 Jan 1997. Ivory Coast: RCI.7, Bozi.
- 5488 G Mercadier (EBCL 97039). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5489 G Mercadier (EBCL 97040). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5490 G Mercadier (EBCL 97041). Adult, *Hypothenemus hampei* [Coleoptera: Scolytidae]. 24 Jan 1997. Togo: T.3, Gbadi-Gaodo.
- 5492 M Brownbridge (MLC8). *Paraclemensia acerifoliella* [Lepidoptera: Incurvariidae]. Rec'd 16 May 1997. USA: Randolph, Vermont.
- 5493 M Brownbridge (FREY2). *Aphis gossypii* [Homoptera: Aphididae]. Rec'd 16 May 1997. USA: Pennsylvania.
- 5494 M Brownbridge (FREY3). *Aphis gossypii* [Homoptera: Aphididae]. Rec'd 16 May 1997. USA: Pennsylvania.
- 5495 M Brownbridge (EW1). [Dermaptera]. Rec'd 16 May 1997. USA: Burlington, Vermont.
- 5496 M Brownbridge (EW2). [Dermaptera]. Rec'd 16 May 1997. USA: Burlington, Vermont.
- 5500 C López Lastra ← G Dalbello (#6). Larva, *Diatraea saccharalis* [Lepidoptera: Pyralidae]. 1993. Argentina: Oliveros, Santa Fe.
- 5501 C López Lastra ← G Dalbello (#7). *Xanthogaleruca luteola* [Coleoptera: Chrysomelidae] on *Ulmus* sp. . 1994. Argentina: La Plata, Buenos Aires.
- 5502 C López Lastra ← G Dalbello (#8). Larva, *Diatraea saccharalis* [Lepidoptera: Pyralidae]. Rec'd 12 Jun 1997. Argentina: Oliveros, Santa Fe.
- 5510 I Klingen (TØF 15.2). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 25 Sep 1996. Norway: Steinkjer, Nord Trøndelag.
- 5533 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5534 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5535 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5536 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5537 SP Wraight. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae]. 5 Jul 1997. USA: Homer Thompson Farm, potato variety test plots of Ward M. Tingey, Freeville, New York.
- 5553 LK Rieske-Kinney. *Odontota dorsalis* [Coleoptera: Chrysomelidae]. Rec'd 14 Oct 1997.
- 5557 I Klingen (STF 14.1). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 27 Sep 1996. Norway: Harstad, Troms.
- 5573 N Mihelcic. *Rhyacionia frustrana* [Lepidoptera: Tortricidae]. Rec'd 17 Nov 1997. USA: loblolly pine plantation, Clarke County, Georgia.
- 5622 I Vänninen (SF85-2). Larva, *Tribolium castaneum* [Coleoptera: Tenebrionidae] as bait from soil. 18 Jul 1985. Finland: Pernaja.
- 5623 I Vänninen (SF86-9). Larva, *Tenebrio molitor* [Coleoptera: Tenebrionidae] as bait from soil. 28 Aug 1986. Finland: Närpiö, Vaasan Lääni.
- 5629 ST Jaronski (ER13). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5630 ST Jaronski (ER14). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5631 ST Jaronski (ER15). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5632 ST Jaronski (ER28). Isolated from soil sample. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5633 ST Jaronski (ER36). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Abudabes.
- 5634 ST Jaronski (ER37). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5635 ST Jaronski (ER47). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5636 ST Jaronski (ER50). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5637 ST Jaronski (ER54). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5638 ST Jaronski (ER61). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5639 ST Jaronski (ER65). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, near Shelsela.
- 5640 ST Jaronski (ER68). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.

- 5641 ST Jaronski (ER70). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5642 ST Jaronski (ER82). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5643 ST Jaronski (ER86). *Schistocerca gregaria* [Orthoptera: Acrididae]. 1996. Ethiopia: Eastern lowlands of coastal Eritrea, Shelsela.
- 5645 [IITA 184] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae]. 4 Sep 1996. Benin: IITA field, Cotonou, Atlantique.
- 5646 [IITA 185] A Cherry. *Coniesta sp.* [Lepidoptera: Pyralidae]. 12 Sep 1996. Benin: Monkassa, Malanville, Borgou.
- 5647 [IITA 279] A Cherry. *Acigona sp.* [Lepidoptera: Pyralidae]. 7 Oct 1996. Benin: Massin, Malanville, Borgou.
- 5648 [IITA 295] A Cherry. *Acigona sp.* [Lepidoptera: Pyralidae]. 7 Oct 1996. Benin: Bussokari, Malanville, Borgou.
- 5649 [IITA 313] A Cherry. *Sesamia calamistis* [Lepidoptera: Noctuidae]. 19 Nov 1996. Benin: Soclogbo, Dassa.
- 5650 [IITA 478] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Nigeria: Ikom, Cross River.
- 5651 [IITA 479] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Nigeria: Ikom, Cross River.
- 5652 [IITA 480] A Cherry. *Forficula africana* [Dermaptera: Forficulidae]. 24 Oct 1997. Benin: IITA field, Cotonou, Atlantique.
- 5653 [IITA 581] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae] from forest soil. 24 Oct 1997. Benin: Bassia-P.
- 5654 [IITA 583] A Cherry. *Sesamia calamistis* [Lepidoptera: Noctuidae]. 24 Oct 1997. Benin: Serou, Djougou, Atakora.
- 5655 [IITA 584] A Cherry. *Eldana saccharina* [Lepidoptera: Pyralidae]. 24 Oct 1997. Benin: Serou, Djougou, Atakora.
- 5665 BL Parker (SPT-002). *Eurygaster sp.* [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Karabykly, Narli, Kahraman Maras.
- 5667 BL Parker (SPT-008). Soil. 17 Jan 1998. Turkey: Karabykly, Narli, Kahraman Maras.
- 5668 BL Parker (SPT-010). [Coleoptera]. 18 Jan 1998. Turkey: Hurbit Mountain, Hatay.
- 5669 BL Parker (SPT-018). [Coleoptera: Scarabaeidae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5670 BL Parker (SPT-019). [Coleoptera: Elateridae]. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5671 BL Parker (SPT-021). Leaf litter. 19 Jan 1998. Turkey: Karadao Mountain, Yavuzeli, Gaziantep.
- 5672 BL Parker (SPT-022). [Coleoptera: Adephaga]. 19 Jan 1998. Turkey: Belen, Gaziantep.
- 5673 BL Parker (SPT-023). Leaf litter. 19 Jan 1998. Turkey: Belen, Gaziantep.
- 5674 BL Parker (SPT-032). *Eurygaster sp.* [Hemiptera: Scutelleridae]. 25 Jan 1998. Syria: Rmilan, Hassakeh, Azaz, Halab.
- 5703 JL Hatting (1). *Sitotroga cerealella* [Lepidoptera: Gelechiidae]. Sep 1997. South Africa: Bethlehem, Orange Free State.
- 5704 JL Hatting (2). *Bombyx mori* [Lepidoptera: Bombycidae]. Nov 1998. South Africa: Bethlehem, Orange Free State.
- 5705 JL Hatting (PPRI 6688). *Diuraphis noxia* [Homoptera: Aphididae] on *Triticum aestivum*. 4 Sep 1997. South Africa: Langgewens, Western Cape Province.
- 5724 L Erkiliç (Pazarcik/Karabiyikli-1). *Eurygaster sp.* [Hemiptera: Scutelleridae]. 29 Mar 1998. Turkey: Pazarcik, Kahraman Maras.
- 5725 L Erkiliç (Hursit Dagi-1). *Eurygaster sp.* [Hemiptera: Scutelleridae]. 31 Mar 1998. Turkey: Gaziantep.
- 5737 ST Jaronski (SP14). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.
- 5738 ST Jaronski (SP16). [Orthoptera: Acrididae]. Rec'd 12 Jun 1998. Madagascar.
- 5740 MCHCA Bernal (BbGC1). *Phyllophaga sp.* [Coleoptera: Scarabaeidae]. Rec'd Jun 1998. Mexico: Colima.
- 5741 MCHCA Bernal (BbGC2). *Phyllophaga sp.* [Coleoptera: Scarabaeidae]. Aug 1994. Mexico: Ocotlán, Jalisco.
- 5742 MCHCA Bernal (BbGC5). *Phyllophaga sp.* [Coleoptera: Scarabaeidae]. Aug 1994. Mexico: Ocotlán, Jalisco.
- 5743 MCHCA Bernal (BbGC8). *Phyllophaga sp.* [Coleoptera: Scarabaeidae]. 1995. Mexico: Zapotitlán, Jalisco.
- 5744 MCHCA Bernal (BbGC9). *Phyllophaga sp.* [Coleoptera: Scarabaeidae]. 1995. Mexico: Zapotitlán, Jalisco.
- 5745 MCHCA Bernal (BbGC11). *Phyllophaga sp.* [Coleoptera: Scarabaeidae]. Oct 1996. Mexico: Cofradía de la luz, Jalisco.
- 5753 BL Parker (SPT 001). *Eurygaster sp.* [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Korabiyikli, Narli, Kahraman Maras.
- 5762 BL Parker (SPT 046). *Eurygaster sp.* [Hemiptera: Scutelleridae]. 17 Jan 1998. Turkey: Korabiyikli, Narli, Kahraman Maras.
- 5767 BL Parker (AT 036). *Adelges tsugae* [Homoptera: Adelgidae]. 9 May 1997. USA: Gillette Castle State Park, Connecticut.
- 5768 BL Parker (AT 050). *Adelges tsugae* [Homoptera: Adelgidae]. 9 May 1997. USA: Lovingston, Virginia.

- 5769 BL Parker (AT 052). *Adelges tsugae* [Homoptera: Adelgidae]. 9 May 1997. USA: Lovington, Virginia.
- 5770 BL Parker (AT 086). *Adelges tsugae* [Homoptera: Adelgidae]. 21 Sep 1997. USA: Mt. Tom, Holyoke, Massachusetts.
- 5796 BL Parker (HWA 289/1). *Adelges tsugae* [Homoptera: Adelgidae]. 27 May 1997. USA: Forest Park, Massachusetts.
- 5807 B Broadbent (BB001). *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] from laboratory colony, Agriculture and Agri-Food Canada. 22 Jul 1996. Canada: London, Ontario.
- 5808 B Broadbent (BB008). Adult, *Lygus lineolaris* [Hemiptera: Miridae] on *Medicago sativa*. 17 Jun 1998. USA: Ulster County, New York.
- 5813 LS Bauer. Adult, *Leptinotarsa decemlineata* [Coleoptera: Chrysomelidae] from laboratory colony, USDA Forest Service, NCRS. Rec'd 20 Aug 1998. USA: East Lansing, Michigan.
- 5836 T Steenberg (SSL 6). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from adult *Sitona lineatus* [Coleoptera: Curculionidae].
- 5838 T Steenberg (SSL 25). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from an unidentified mite [Arachnida: Acari].
- 5839 T Steenberg (SSL 27). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from *Tachyporus* sp. [Coleoptera: Staphylinidae].
- 5840 T Steenberg (SSL 28). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated from unidentified curculionid beetle [Coleoptera: Curculionidae].
- 5843 T Steenberg (SSL 55). Larva, *Alphitobius diaperinus* [Coleoptera: Tenebrionidae]. Rec'd 26 Aug 1998. Originally isolated *Anotylus* sp. [Coleoptera: Staphylinidae].
- 5853 T Steenberg (SSL 448). *Sminthurus viridis* [Collembola: Sminthuridae] on white clover. Aug 1995. Denmark: Copenhagen, Tåstrup, Zealand.
- 5857 T Steenberg (SSL 608). Adult, *Ahasverus advena* [Coleoptera: Cucujidae: Silvaninae]. Feb 1997. Denmark: Broiler house, Hesselager, Funen.
- 5861 T Steenberg (SSL 627). Adult, *Musca domestica* [Diptera: Muscidae]. Jul 1997. Denmark: Stable, Lynge, Zealand.
- 5862 T Steenberg (SSL 628). Adult, *Haematobia irritans* [Diptera: Muscidae]. Jul 1997. Denmark: Store Vildmose, Jutland.
- 5863 T Steenberg (SSL 631). Adult, *Musca domestica* [Diptera: Muscidae]. Jul 1997. Denmark: Stable, Lynge, Zealand.
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- 6093 BL Parker (SPT-U-326). Adult, *Aelia* sp. [Hemiptera: Pentatomidae]. 16 Jan 1999. Uzbekistan: Site c, SW of Samarkand, Mirankul region.
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- 6101 BJ Hicks (B). *Panolis flammea* [Lepidoptera: Noctuidae]. Rec'd Jan 1999. United Kingdom: Moray District, Scotland.
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- 6178 BJ Hicks (2). *Panolis flammea* [Lepidoptera: Noctuidae]. Jul 1998. United Kingdom: Dallas Forest, Moray District, Scotland.
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- 6182 FE Vega (EBCL 99013). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 18 Dec 1998. France: Andard.
- 6184 FE Vega (EBCL 99018). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 14 Jan 1999. France: Le Calvaire.
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- 6186 FE Vega (EBCL 99021). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 10 Dec 1998. France: Chez Moitou.
- 6187 FE Vega (EBCL 99022). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 21 Dec 1998. Bulgaria.
- 6189 FE Vega (EBCL 99025). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 22 Feb 1999. France: Arre.
- 6191 FE Vega (EBCL 99028). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 13 Jan 1999. France: Crèvecoeur.
- 6194 FE Vega (EBCL 99032). Adult, *Cydia pomonella* [Lepidoptera: Tortricidae]. 21 Dec 1998. Bulgaria.
- 6195 FE Vega (EBCL 99033). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 6 Oct 1998. Bulgaria: Plovdiv.
- 6196 FE Vega (EBCL 99034). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 18 Dec 1998. France: Andard.
- 6199 FE Vega (EBCL 99038). *Hedya nubiferana* [Lepidoptera: Tortricidae]. 31 Mar 1999. France: Layrac.
- 6201 FE Vega (EBCL 98027). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 19 Feb 1998. France: Crespian, Gard.
- 6205 FE Vega (EBCL 98041). *Lymantria dispar* [Lepidoptera: Lymantriidae]. 20 Jul 1998. France: Pujaudrau.
- 6208 FE Vega (EBCL 98053). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.
- 6209 FE Vega (EBCL 98054). Larva, *Cydia pomonella* [Lepidoptera: Tortricidae]. 5 Oct 1998. Bulgaria: Jabalkovo.
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- 6214 AE Hajek (2A). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Tellow Barn State Forest, Dryden, New York.

- 6215 AE Hajek (3A). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York.
- 6216 AE Hajek (5B). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York.
- 6217 AE Hajek (6B). Adult, [Coleoptera: Curculionidae]. Jun 1998. USA: Yellow Barn State Forest, Dryden, New York.
- 6228 [RCEF 0039] Rec'd 24 Aug 1999. Romania.
- 6229 [RCEF 0231] Adult, [Coleoptera: Scolytidae (Tribe Ipini)]. 8 Aug 1996. PR China: Guizhou.
- 6230 [RCEF 0300] [Orthoptera: Acrididae]. 20 Sep 1997. PR China: Anhui.
- 6231 [RCEF 0306] [Orthoptera]. 7 Jan 1998. PR China: Anhui.
- 6232 [RCEF 0418] [Orthoptera: Acrididae]. 20 Jul 1998. PR China: Anhui.
- 6233 [RCEF 0471] *Lymantria dissoluta* [Lepidoptera: Lymantriidae]. 27 Jan 1999. PR China: Anhui.
- 6234 [RCEF 0498] [Orthoptera: Tettigonioidea]. 27 Nov 1998. PR China: Anhui.
- 6387 TL Dubois (T7 (2) (2)) ← MT Smith. Larva, early instar, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on twig. May 1998. PR China.
- 6390 TL Dubois (HF 2 c 1). Egg, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on *Populus* sp. 8 Aug 1999. PR China: Anhui.
- 6391 TL Dubois (ST 1 # 1 (1)) ← SM Smith ← SA Teale. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae] on twigs of *Acer* sp. 2 Jul 1997. USA: Laboratory colony, SUNY College of Environmental Science and Forestry, Syracuse, New York. Laboratory colony started from host originally obtained from infested maple wood collected in New York, New York, USA 29 April 1997.
- 6393 TL Dubois (VD 12 rep b) ← V D'Amico. Adult, *Anoplophora glabripennis* [Coleoptera: Cerambycidae]. Rec'd 22 Dec 1999. USA: Laboratory colony, USDA Forest Service, Ansonia, Connecticut.
- 6404 B Tunali (27). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey: Adiyaman.
- 6426 B Tunali (28). *Dolycorus* sp. [Hemiptera: Pentatomidae]. 4 Oct 1999. Turkey.
- 6444 [ATCC 74250; Mycotech Corporation BB726, GHA] ST Jaronski. Laboratory reisolation from *Locusta migratoria*. Rec'd 3 Mar 2000. Patented, commercialized strain (Mycotrol?, BotaniGard?).
- 6459 [CIAT 044] D Peck. Adult, *Zulia carbonaria* [Homoptera: Cercopidae]. 4 Aug 1999. Colombia: Santander de Quilichao, Cauca.
- 6471 SR Grugel. *Dectes texanus* [Coleoptera: Cerambycidae]. 3 Nov 1998. USA: Goodland, Kansas.
- 6478 BL Parker (SPT-KZ-375). Adult, [Coleoptera: Tenebrionidae] overwintering in soil. 3 Feb 2000. Kazakhstan: GPS Coordinates N 43°08.534' E 076°36.541'.
- 6483 BL Parker (SPT-KZ-406). Adult, [Coleoptera: Tenebrionidae] overwintering in soil. 5 Feb 2000. Kazakhstan: GPS Coordinates N 44°13.034' E 077°41.315'.
- 6499 BL Parker (SPT-KR-452). Adult, [Coleoptera: Buprestidae] overwintering in soil. 11 Feb 2000. Kyrgyz Republic: GPS Coordinates N 43°40.597' E 075°02.855'.
- 6513 DEN Rangel (Inbioter1). *Polistes* sp. [Hymenoptera: Vespidae]. 30 Aug 1986. Brazil: native forest, Itatiba, São Paulo.
- 6514 DEN Rangel (Inbioter2). *Brassolis sophorea* [Lepidoptera: Brassolidae]. 26 Feb 1991. Brazil: coconut palm border, Pinheiros, São Paulo, São Paulo.
- 6526 FE Vega (EBCL 99046). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6527 FE Vega (EBCL 99048). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6528 FE Vega (EBCL 99055). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6529 FE Vega (EBCL 99057). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6530 FE Vega (EBCL 99059). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6531 FE Vega (EBCL 99070). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6532 FE Vega (EBCL 99071). *Hypothenemus hampei* [Coleoptera: Scolytidae]. Rec'd 8 Jun 2000. Cameroon: Nkolbisson, Centre-Sud.
- 6552 D Chandler (HRI 342.92). *Otiorhynchus sulcatus* [Coleoptera: Curculionidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6553 D Chandler (HRI 347.92). Pupa, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6555 D Chandler (HRI 365.92). Adult, *Delia radicum* [Diptera: Anthomyiidae]. Rec'd 13 Jul 2000. United Kingdom.
- 6556 D Chandler (HRI 367.93). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from woodland soil. Rec'd 13 Jul 2000. United Kingdom.
- 6557 D Chandler (HRI 373.93). Pupa, [Lepidoptera]. Rec'd 13 Jul 2000. United Kingdom.
- 6559 D Chandler (HRI 386.93). [Coleoptera]. Rec'd 13 Jul 2000. United Kingdom.
- 6560 D Chandler (HRI 397.93). [Coleoptera]. Rec'd 13 Jul 2000. United Kingdom.

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- 7257 JM Sung (EFCC 2469). [Hymenoptera]. 22 Aug 1998. Japan.
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- 7260 JM Sung (EFCC 2682). [Hymenoptera: Formicidae]. 26 Sep 1998. Republic of Korea: Seolag Mt., Kangwon-do.
- 7261 JM Sung (EFCC 2941). [Coleoptera: Cerambycidae]. Jun 1999. Republic of Korea: Obong Mt., Kangwon-do.
- 7262 JM Sung (EFCC 2942). [Hymenoptera]. Jun 1999. Republic of Korea: Obong Mt., Kangwon-do.
- 7263 JM Sung (EFCC 2948). Pupa, Jun 1999. Republic of Korea: Obong Mt., Kangwon-do.
- 7264 JM Sung (EFCC 3684). [Coleoptera: Scarabaeidae]. 10 Aug 1999. Republic of Korea: Chilsung Mt., Kangwon-do.
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- 7266 JM Sung (EFCC 4381). [Coleoptera: Cerambycidae]. 29 Aug 1999. Republic of Korea: Yongmoon Mt., Gyeonggi Province.
- 7267 JM Sung (EFCC 4953). Pupa, 8 Jul 2000. Republic of Korea: Gujeol Mt., Kangwon-do.
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- 7269 JM Sung (EFCC 6521). [Diptera]. 7 Jul 2001. Republic of Korea: Welchul Mt., Jheonnam.
- 7270 JM Sung (EFCC 6522). [Coleoptera: Carabidae]. 7 Jul 2001. Republic of Korea: Welchul Mt., Jheonnam.
- 7271 JM Sung (EFCC 6878). [Coleoptera: Chrysomelidae]. 11 Jul 2001. Republic of Korea: Hanla Mt., Jeju Province.
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- 7273 JM Sung (EFCC 7270). *Acanthosoma labiduroides* [Hemiptera: Pentatomidae]. 8 Jul 2001. Nepal.
- 7274 JM Sung (EFCC 7272). [Lepidoptera]. 8 Jul 2001. Nepal.
- 7275 JM Sung (EFCC 8224). [Coleoptera: Cerambycidae]. 8 Sep 2001. Republic of Korea: Chungryang Mt., Gyeongbuk Province.
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- 7357 DJ Bruck (IP-57). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 7 Aug 2002. USA: Boring, Oregon.
- 7358 DJ Bruck (IP-62). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Aug 2002. USA: Aurora, Oregon.
- 7359 DJ Bruck (IP-63). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Aug 2002. USA: Aurora, Oregon.
- 7360 DJ Bruck (IP-66). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Aug 2002. USA: Woodburn, Oregon.
- 7361 DJ Bruck (IP-93). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. Summer 2002. USA: Salem, Oregon.
- 7362 DJ Bruck (IP-94). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 19 Aug 2002. USA: Aurora, Oregon.
- 7363 DJ Bruck (IP-225). Isolated from soil sample. 19 Aug 2002. USA: Salem, Oregon.
- 7364 DJ Bruck (IP-238). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 19 Aug 2002. USA: Aurora, Oregon.
- 7365 DJ Bruck (IP-241). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 19 Aug 2002. USA: Aurora, Oregon.
- 7366 DJ Bruck (IP-270). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 6 Aug 2002. USA: Fall Creek, Oregon.
- 7367 DJ Bruck (IP-310). *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 20 Aug 2002. USA: Aurora, Oregon.
- 7376 DM Gibson. Adult, *Magiccada septendecim* [Homoptera: Cicadidae]. 9 Jun 2004. USA: ARS National Visitor Center, Beltsville, Maryland.
- 7377 DEN Rangel (DENR 01). [Hymenoptera: Megachilidae]. Rec'd 30 Jun 2004.
- 7378 DEN Rangel (DENR 02). [Hymenoptera: Megachilidae]. Rec'd 30 Jun 2004.
- 7379 DW Roberts (MC-A 181003A). *Anabrus simplex* [Orthoptera: Tettigoniidae]. Rec'd 30 Jun 2004.
- 7380 DW Roberts (MC-C 181003C). *Anabrus simplex* [Orthoptera: Tettigoniidae]. Rec'd 30 Jun 2004.
- 7404 DC Steinkraus. Larva, *Enaphalodes rufulus* [Coleoptera: Cerambycidae] from *Quercus rubra* L., northern red oak. 14 May 2003. USA: Ozark National Forest, Franklin County, Arkansas.
- 7464 [CEP 072] C López Lastra. *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 11 Sep 2003. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7465 [CEP 074] C López Lastra. *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 30 Dec 2003. Argentina: Berazategui, Buenos Aires.
- 7466 [CEP 075] C López Lastra. [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 30 Dec 2003. Argentina: Berazategui, Buenos Aires.
- 7467 [CEP 077] C López Lastra. *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 24 Feb 2004. Argentina: Los Hornos, Buenos Aires.
- 7468 [CEP 080] C López Lastra. *Kronides* sp. [Homoptera: Membracidae] on *Eryngium* sp. (Apiaceae). 20 Mar 2004. Argentina: San Vicente, Buenos Aires.
- 7469 [CEP 081] C López Lastra. *Balacha melanocephala* [Homoptera: Cicadellidae] on *Eryngium* sp. (Apiaceae). 20 Mar 2004. Argentina: San Vicente, Buenos Aires.
- 7470 [CEP 083] C López Lastra. [Coleoptera] on *Eryngium* sp. (Apiaceae). 9 Mar 2004. Argentina: Horco Molle, Tucumán.
- 7471 [CEP 092] C López Lastra. [Coleoptera: Curculionidae] on *Eryngium* sp. (Apiaceae). 7 Apr 2004. Argentina: Colonia Urquiza, La Plata, Buenos Aires.
- 7518 M Shimazu (F-1208). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).
- 7519 M Shimazu (F-1209). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).

- 7520 M Shimazu (F-1210). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).
- 7521 M Shimazu (F-1211). Larva, [Hymenoptera: Pamphiliidae] on *Larix* sp., larch. Sep 1995. Japan: Teshikaga, Hokkaido Prefecture. Isolated from conidia produced on a stroma-forming cadaver (perithecia immature).
- 7525 S Keller (727). Adult, *Ips typographus* [Coleoptera: Scolytidae]. 6 Jul 2001. Switzerland: Rothenburg, Lucerne.
- 7526 S Keller (728). Adult, *Ips typographus* [Coleoptera: Scolytidae]. 6 Jul 2001. Switzerland: Rothenburg, Lucerne.
- 7533 E Groden (Plate #1). *Myrmica rubra* [Hymenoptera: Formicidae]. 12 Aug 2003. United Kingdom: Kimmeridge, Dorset, England. 50.37.11 N, 02.06.59 W, 133 m elevation.
- 7534 E Groden (Plate #2). *Myrmica rubra* [Hymenoptera: Formicidae]. 26 Aug 2004. United Kingdom: Rescombe, Dorset, England. 50.35.54 N, 02.03.05 W, 110 m elevation.
- 7540 BJ Cole (C2). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 956. Summer 2004. USA: Mesa County, Colorado.
- 7541 BJ Cole (C29). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 446. Summer 2004. USA: Mesa County, Colorado.
- 7542 BJ Cole (C33). *Pogonomyrmex occidentalis* [Hymenoptera: Formicidae] Colony 7437. Summer 2004. USA: Mesa County, Colorado.
- 7552 I Klingen (NCRI 66/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7553 I Klingen (NCRI 68/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7554 I Klingen (NCRI 91/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: conventional apple orchard, Balestrand, Sogn og Fjordane.
- 7581 [SRCAM F-206] V Likhovidov (B-25) ← BA Borisov. Rec'd 14 Mar 2005.
- 7583 [SRCAM F-237] V Likhovidov (VLI-36). Rec'd 14 Mar 2005.
- 7585 [SRCAM F-234] V Likhovidov (B-38) ← BA Borisov. Rec'd 14 Mar 2005.
- 7590 [SRCAM F-298] V Likhovidov (B-174) ← BA Borisov. Rec'd 14 Mar 2005.
- 7592 [SRCAM F-64] V Likhovidov (Vg-19 (3ts)) ← BA Borisov (B-205). Rec'd 14 Mar 2005.
- 7593 [SRCAM F-70] V Likhovidov (24/89) ← BA Borisov (B-210). Rec'd 14 Mar 2005.
- 7596 [SRCAM F-210] V Likhovidov (VLI-760). Rec'd 14 Mar 2005.

Beauveria brongniartii (Saccardo) Petch
[Hyphomycetes]Major synonym: *Beauveria tenella* (Saccardo) MacLeod.

- 617 ATCC (26156) ← P Ferron (6). Larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Rec'd 27 May 1981. France.
- 678 DW Roberts (101481-4-1). *Nephotettix bipunctata cincticeps* [Homoptera: Cicadellidae]. 14 Oct 1981. PR China: Hunan.
- 979 [GCRI 64-82] RA Hall ← J Fargues. *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Acc'd 17 Oct 1983. France.
- 985 J Aoki (Beau. 22) ← K Katagiri ← T Kushida. *Anomala costata* [Coleoptera: Scarabaeidae]. Nov 1971. Japan: Hachioji, Tokyo Prefecture.
- 1067 TJ Poprawski ← S Keller (117). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 10 May 1982. Switzerland: Buhwil, Thurgau.
- 1068 TJ Poprawski ← S Keller (118). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 10 May 1982. Switzerland: Buhwil, Thurgau.
- 1069 TJ Poprawski ← S Keller (119). *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Acc'd Feb 1984. Switzerland. Mixture of 3 strains.
- 1070 TJ Poprawski ← S Keller (120). Adult, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. Jul 1982. Switzerland: Breitenloo, Thurgau.
- 1071 TJ Poprawski ← S Keller (125). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 6 Jan 1983. Switzerland: Bleiken, Thurgau.
- 1072 TJ Poprawski ← S Keller (126). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 6 Jan 1983. Switzerland: Bleiken, Thurgau.
- 1076 S Keller (131). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 6 Jan 1983. Switzerland: Istighofen, Thurgau.
- 1077 S Keller (134). 2nd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 8 Dec 1983. Switzerland: Bleiken, Thurgau.
- 1360 S Balazy (1599). Rec'd 19 May 1984. Poland.
- 1366 S Balazy (1594d). Rec'd 19 May 1984. Poland.
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- 1481 [ARSEF 1829] SB Alves (258). *Castnia licus* [Lepidoptera: Castniidae] on sugar cane. Rec'd 6 Jul 1984. Brazil: Pernambuco.
- 1482 [ARSEF 1830] SB Alves (210). *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. Rec'd 6 Jul 1984. Brazil: São Paulo.

- 1829 [ARSEF 1481 (lost)] SB Alves (258). *Castnia licus* [Lepidoptera: Castniidae] on sugar cane. Acc'd 29 Jan 1985. Brazil: Pernambuco.
- 1830 [ARSEF 1482 (lost)] SB Alves (210). *Diatraea saccharalis* [Lepidoptera: Pyralidae] on sugar cane. Acc'd 29 Jan 1985. Brazil: São Paulo.
- 1871 S Keller (165). Rec'd 27 Mar 1985. Location not specified.
- 1872 S Keller (166). Rec'd 27 Mar 1985. Location not specified.
- 1873 S Keller (167). Rec'd 27 Mar 1985. Location not specified.
- 1874 S Keller (168). Rec'd 27 Mar 1985. Location not specified.
- 1875 S Keller (169). Rec'd 27 Mar 1985. Location not specified.
- 2660 C Gopalakrishnan (31). Adult, [Coleoptera]. Rec'd Nov 1988. India.
- 3054 [MAF F1] T Glare. *Costelytra zealandica* [Coleoptera: Scarabaeidae]. Rec'd Oct 1990. New Zealand: South Island.
- 4024 T Steenberg (226) ← A Kirkeby-Thomse. *Ips typographus* [Coleoptera: Scolytidae] on Sitka spruce. Rec'd Nov 1993. Denmark.
- 4380 LA Lacey (94141) ← CAAS (CZN.9301). [Coleoptera: Scarabaeidae]. 7 May 1994. Location not specified.
- 4381 LA Lacey (94142) ← CAAS (4pl). [Coleoptera: Scarabaeidae]. 7 May 1994. Location not specified.
- 4384 LA Lacey (94135). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou.
- 4385 LA Lacey (94136). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou.
- 4386 LA Lacey (94137). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou.
- 4388 LA Lacey (94139). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 5 May 1994. China: Cangzhou.
- 4389 LA Lacey (94131). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo, Hokkaido.
- 4458 LA Lacey (94127). *Popillia japonica* [Coleoptera: Scarabaeidae]. 27 Apr 1994. Japan: Sapporo Golf Course, Sapporo, Hokkaido.
- 4465 LA Lacey (94143). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4466 LA Lacey (94144). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4467 LA Lacey (94145). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4468 LA Lacey (94146). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4469 LA Lacey (94147). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4470 LA Lacey (94148). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4471 LA Lacey (94149). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4472 LA Lacey (94150). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4473 LA Lacey (94151). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4474 LA Lacey (94152). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4475 LA Lacey (94153). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4476 LA Lacey (94154). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4477 LA Lacey (94155). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4478 LA Lacey (94156). *Holotrichia parallela* [Coleoptera: Scarabaeidae]. 4 May 1994. China: Cangzhou.
- 4991 LA Lacey (95049). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 4992 LA Lacey (95050). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 4993 LA Lacey (95052). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 4994 LA Lacey (95053). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 4995 LA Lacey (95054). Adult, *Popillia japonica* [Coleoptera: Scarabaeidae]. 7 Sep 1995. Azores: Teceira.
- 5355 LA Lacey (96015). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5356 LA Lacey (96016). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5357 LA Lacey (96017). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5358 LA Lacey (96018). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5359 LA Lacey (96019). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5360 LA Lacey (96020). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5361 LA Lacey (96021). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5362 LA Lacey (96022). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 5363 LA Lacey (96023). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.

- 5364 LA Lacey (96024). *Melolontha* sp. [Coleoptera: Scarabaeidae]. 30 May 1996. Germany: Lampertheim, Hesse.
- 6023 BL Parker ← V Gouli (SPT-R-201). Overwintering adult, *Eurygaster* sp. [Hemiptera: Scutelleridae]. 22 Sep 1998. Russian Federation: Krasnii Sulin, Rostov.
- 6235 [RCEF 0385] *Anoplophora malasiaca* [Coleoptera: Cerambycidae]. Rec'd 24 Aug 1999. Japan.
- 6412 M Shimazu (F-1101). *Anoplophora malasiaca* [Coleoptera: Cerambycidae]. 8 Dec 1993. Japan: Kukisaki, Ibaraki Prefecture.
- 6437 Acc'd 9 Mar 2001.
- 6438 Acc'd 9 Mar 2001.
- 6439 Acc'd 9 Mar 2001.
- 6440 Acc'd 9 Mar 2001.
- 7528 S Keller (812). 3rd instar larva, *Melolontha melolontha* [Coleoptera: Scarabaeidae]. 23 Oct 2002. Switzerland: Innertkirchen, Bern.
- 7555 I Klingen (NCRI 57/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: organic apple orchard, Balestrand, Sogn og Fjordane.
- 7556 I Klingen (NCRI 71/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7557 I Klingen (NCRI 73/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: Målsnes, field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7558 I Klingen (NCRI 74/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 3 Oct 2001. Norway: organic apple orchard, Balestrand, Sogn og Fjordane.
- 7559 I Klingen (NCRI 86/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: field margin of organic apple orchard, Balestrand, Sogn og Fjordane.
- 7560 I Klingen (NCRI 223/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: Nessane, organic apple orchard, Balestrand, Sogn og Fjordane.
- 7561 I Klingen (NCRI 233/02). Larva, *Galleria mellonella* [Lepidoptera: Pyralidae] as bait from soil. 1 Oct 2001. Norway: field margin of conventional apple orchard, Balestrand, Sogn og Fjordane.

Beauveria caledonica Bissett & Widden

[Hyphomycetes]

- 2567 CCFC (DAOM 191855) ← P Widden. Natural heather moors, A1 horizon. Rec'd 17 May 1988. Scotland: Banchory, Grampian. (culture EX TYPE).

Beauveria velata Samson & Evans

[Hyphomycetes]

- 2998 CBS (607.80) ← HC Evans. Larva, [Lepidoptera]. Rec'd 22 May 1990. Ecuador.

Beauveria vermiconia de Hoog & Rao

[Hyphomycetes]

- 2922 CBS (645.74). Volcanic ash soil. 1974. Chile: Valdivia, Los Lagos. CULTURE EX TYPE.

Microhilum oncoperae Yip & Rath

[Hyphomycetes]

- 4358 [DAT 424] AC Rath (F424) ← Harradine. Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. Rec'd 6 Jun 1994. Australia: Melton Vale, York Plains, Tasmania.
- 4767 [DAT 416] AC Rath (F416). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 17 May 1989. Australia: Charleston, R., Wilmot, Tasmania.
- 4768 [DAT 417] AC Rath (F417). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 20 Apr 1989. Australia: Auburn Rd., Ross, Tasmania.
- 4770 [DAT 421] AC Rath (F421). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 20 Jul 1989. Australia: Rosehill, Jericho, Tasmania.
- 4771 [DAT 422] AC Rath (F422). Larva, *Oncopera intricata* [Lepidoptera: Hepialidae]. 20 Sep 1989. Australia: Jericho, Tasmania.

Beauveria sp.**Beauveria bassiana****Host by Fungus****Beauveria sp.**

[Araneida: Araneae]
Unknown species 5174 5187 6691

[Coleoptera]
Unknown species 5697 5831

[Coleoptera: Chrysomelidae]
Pachybrachis pallicornis 547

[Coleoptera: Coccinellidae]
Unknown species 4853 5678 5833

[Coleoptera: Curculionidae]
Unknown species 7463
Anthonomus grandis 1835
Hypera postica 1327
Shirahoshizo insidiosus 1681

[Coleoptera: Lampyridae]
Unknown species 5186

[Coleoptera: Scarabaeidae]
Anomala cuprea 1682
Lachnosterna morosa 1685
Popillia japonica 4390 4391 4392
Xyloryctes jamaicensis 2412

[Coleoptera: Scolytidae]
Tomicus minor 4933
Tomicus pimperda 4909 4910 4911
4912 4913 4914 4915 4916 4917
4918

[Hemiptera: Miridae]
Adelphocoris 1195 1196 1197 1198
1199 1200 1201 1202 1203 1204
1205 1206 1207 1208 1209 1210
1211 1213 1214 1215 1216 1218
1219 1220 1221 1222 1224

[Hemiptera: Scutelleridae]
Eurygaster 5686

[Homoptera: Membracidae]
Unknown species 2164

[Hymenoptera: Formicidae]
Solenopsis invicta 3859

[Hymenoptera: Vespidae]
Vespula vulgaris 2997

[Lepidoptera]
Unknown species 5832

[Lepidoptera: Bombycidae]
Bombyx mori 1040

[Lepidoptera: Noctuidae]
Mocis 590
Spodoptera frugiperda 3289

[Lepidoptera: Pyralidae]
Chilo infuscatellus 1886
Galleria mellonella 5078 7562 7563
7564 7565 7566 7567

[Lepidoptera: Tortricidae]
Cydia pomonella 6533 6534 6535 6536
6537

[Orthoptera: Acrididae]
Unknown species 32 4196 4197

Beauveria ?bassiana

[Chelonia: Emydidae]
Trachemys scripta 5990

[Coleoptera: Chrysomelidae]
Unknown species 6890 6891

[Hemiptera: Scutelleridae]
Eurygaster 5684

[Homoptera: Adelgidae]
Adelges tsugae 5815 5816 5817 5818

[Homoptera: Aphididae]
Diuraphis noxia 6608

[Hymenoptera: Formicidae]
Solenopsis invicta 5959

[Lepidoptera: Pyralidae]
Eldana saccharina 5644
Galleria mellonella 6892

Beauveria amorpha

[Coleoptera]
Unknown species 2251

[Coleoptera: Cerambycidae]
Psacotheta hilaris 1680

[Coleoptera: Scarabaeidae]
Anomala costata 1676
Popillia japonica 4990

[Homoptera: Cicadellidae]
Nephotettix bipunctata cincticeps 656

[Hymenoptera: Formicidae]
Solenopsis 2641

[Lepidoptera]
Unknown species 6227

[Orthoptera: ?Gryllacrididae]
Unknown species 6376 6577

[Orthoptera: Gryllacrididae]
Unknown species 7117

Beauveria bassiana

[Acari: Ixodidae]
Unknown species 6967
Ixodes scapularis 6897

[Araneida]
Unknown species 4042

[Araneida: Araneae]
Unknown species 5172 5173 6690

[Coleoptera]
Unknown species 293 301 350 754 1980
3197 3198 3199 4382 5668 5979
6559 6560 6692 6693 6695 6696
6697 7164 7470

[Coleoptera: Anthicidae]
Anthicus floralis 157

[Coleoptera: Anthribidae]
Araecerus fasciculatus 413

[Coleoptera: Bruchidae]
Caryedon serratus 1186

[Coleoptera: Buprestidae]
Unknown species 6499

[Coleoptera: Carabidae]
Unknown species 952 1975 3386 6059
6099 6689 7241 7268 7270
Amara familiaris 4034
Amara plebeja 4031
Bembidion lampros 4032

[Coleoptera: Cerambycidae]
Unknown species 318 319 785 2557
5072 6721 7251 7261 7266 7275
7276
Anoplophora glabripennis 6387 6390
6391 6393 7152 7153 7154 7155
7156 7157 7158 7159 7166 7167
7168 7169 7170 7171 7172 7173
7174 7175 7176 7177 7178 7179
Aromia moschata 1559 1560 1561 1562
1563
Dectes texanus 6471
Enaphalodes rufulus 7404

Moechotypa diphysis 1678
Monochamus alternatus 1679
Monochamus scutellatus 7162 7163
Ortholeptura valida 5997
Plectrodera scalator 7160 7161 7165
Psacotheta hilaris 1041

[Coleoptera: Chrysomelidae]
Unknown species 504 751 1451 1971
7244 7247 7271 7272
Cerotoma 951 1458 1467
Cerotoma arcuata 731 732 756 931 934
2075
Crimissa 786 788 805
Crimissa cruralis 4001
Diabrotica 721 946 947 948 949 950
956 982 2512 2938 2942 3219 3287
Diabrotica balteata 3309
Diabrotica barberi 2579
Diabrotica paranaensis 739 752 758
809 937 938
Diabrotica speciosa 928 958 1060 1453
1454 1455 1456 1459 1460 1461
1462 1463 1464 1465 1466 1469
1470 1471 1472 1473 1475 1476
1954 1961 2511 2515 2520 2625
2626
Diabrotica undecimpunctata 201
Diabrotica virgifera 2330 3111
Galerucella sp. 5465
Galerucina 2463
Leptinotarsa decemlineata 33 149 252
317 340 344 353 384 505 506 507
508 509 510 534 535 1039 1079
1081 1106 1619 1620 1621 1622
1623 1624 1704 1705 1706 1707
1708 1709 1710 1711 1712 1713
1721 1722 1723 1749 1750 1775
1776 1777 1778 1779 1780 1781
1982 2030 2031 2032 2695 2987
2988 2989 2990 2991 5286 5533
5534 5535 5536 5537 5807 5813
6986 6987 6988
Lilioceris lili 5195
Maecolaspis monrosi 2509
Notonata 3437 3438 3439 3441 3442
3444 3446 3447 3450 3451 3452
3455
Odontota dorsalis 5553
Paropsis charybdis 3066
Pyrrhalta luteola 1509 1510 1511 1518
1519
Systema 2079
Xanthogaleruca luteola 5501

[Coleoptera: Coccinellidae]
Unknown species 6055 6061 6062 6063
6074 6075 6092 6095 6111 6112
Coccinella 2033 2034
Coccinella septempunctata 2580 3534
4018 4027
Coleomegilla maculata 1956
Cycloneda sanguinea 2010
Hippodamia convergens 4973 4974
4975

[Coleoptera: Cucujidae: Silvaninae]
Ahasverus advena 5857

- [Coleoptera: Curculionidae]
 Unknown species 930 1061 2040 3667
 4052 6213 6214 6215 6216 6217
 7202 7248 7466 7471
Anthonomus grandis 1966 2559 2638
 2639 2945 2946
Anthonomus musculus 3037
Apion 4023
Aracanthus 753
Ceutorhynchus litura 3403
Chalcodermus 941 942 943 953
Chalcodermus aeneus 336 337 733 734
 735 736 738
Conotrachelus nenuphar 1016
Cosmopolites 1833
Cosmopolites sordidus 1483 4798 4799
Curculio caryae 2676
Cyrtepestomus castaneus 2270 2271
Diaprepes abbreviata 412 416 433
Geraeus senilis 3310 3311
Hypera postica 1389 1398 1399 1515
 2199 2200 4038 4049
Larinus 2694
Listronotus oregonensis 2983 2984
 2985 2986
Metamasius 842
Metamasius callizona 5986
Metamasius hemipterus 2642
Oryzophagus oryzae 3098
Otiiorhynchus ligustici 6884 6885
Otiiorhynchus sulcatus 813 814 815
 1073 1074 1075 3065 6552
Premnotryes latithorax 5983 5984
Premnotryes suturicallus 1969
Premnotryes vorax 2248
Rhynchophorus ferrugineus 6903
Sitona 1647 3063
Sitona discoideus 816 1153 1154 1155
 1163 1164 1171 1172 1173 1174
 1175 1176 1177 1178 1179 1180
 1181 1183 1185 1188 1189 1190
 1191 1309 1311 1312 1313 1811
 1815 1816 1817 1818 1819 1820
 1821
Sitona humeralis 1491
Sitona lineatus 1156 1157 1158 1159
 1160 1161 1162 1165 1167 1168
 1169 1170 1182 1192 1193 1194
 1306 4013 4015 4016 4019 4021
 4041
Sternechus subsignatus 1450
- [Coleoptera: Curculionidae: Apioninae]
Cylas formicarius elegantulus 5981
 5982
- [Coleoptera: Elateridae]
 Unknown species 150 784 804 5670
- [Coleoptera: Lagriidae]
Lagria vilosa 2961
- [Coleoptera: Languriidae]
 Unknown species 3457
- [Coleoptera: Nitidulidae]
 Unknown species 325
- [Coleoptera: Pythidae]
Pytho 1854
- [Coleoptera: Rhizophagidae]
Rhizophagus grandis 1848
- [Coleoptera: Scarabaeidae]
 Unknown species 5669 6058 6686 7264
Adoryphorus couloni 4135 4136 4149
 4274 4642 4721
Ancognatha scarabaeoides 2249 2250
Anomala cuprea 1683
Aphodius tasmaniae 3070
Costelytra zealandica 3055
Pachnoda interrupta 6669 6676 6681
Phyllophaga 5740 5741 5742 5743 5744
 5745
Popillia japonica 3716 3717 5148 5150
Rhopaea magnicornis 4130
- [Coleoptera: Scolytidae]
 Unknown species 1566 1567 3040
Dendroctonus ponderosae 1849 1853
Dendroctonus rufipennis 1017
Dryocoetes confusus 1852
Hypothenemus hampei 1480 2685 2686
 2687 2688 2689 2690 2691 2692
 2693 3440 3443 3445 3448 3453
 3818 3819 5436 5437 5438 5439
 5440 5441 5442 5443 5444 5445
 5446 5447 5448 5449 5450 5451
 5452 5453 5454 5455 5456 5457
 5458 5459 5460 5461 5477 5478
 5479 5480 5481 5482 5483 5484
 5485 5486 5487 5488 5489 5490
 6526 6527 6528 6529 6530 6531
 6532
Ips 1855
Ips stenographus 6900
Ips typographus 7525 7526
Tomicus minor 4980 5070 5071
- [Coleoptera: Scolytidae (Tribe Ipini)]
 Unknown species 6229
- [Coleoptera: Staphylinidae]
 Unknown species 3112 4055
Anotylus rugosus 4051 4056
Anotylus sp. 4046
Gyrohypnus angustatus 4054
Tachyporus sp. 4028
- [Coleoptera: Tenebrionidae]
 Unknown species 757 783 787 6057
 6064 6077 6078 6096 6113 6478
 6483
Alphitobius diaperinus 5836 5838 5839
 5840 5843
Tenebrio molitor 5623
Tribolium castaneum 5622
- [Coleoptera: Adephega]
 Unknown species 5672
- [Collembola: Sminthuridae]
Sminthurus viridis 5853
- [Crocodylia: Alligatoridae]
Alligator mississippiensis 2455
- [Dermoptera]
 Unknown species 796 5495 5496 5991
 7252
- [Dermoptera: Forficulidae]
Forficula africana 5650 5651 5652
Forficula auricularia 3018
- [Dicyoptera: Mantidae]
 Unknown species 7236 7238
- [Diptera]
 Unknown species 1962 2454 7269
- [Diptera: Anthomyiidae]
Delia antiqua 1864 1865 1866
Delia radicum 1151 4012 6553 6555
 6563 6564 6568
- [Diptera: Calliphoridae]
Calliphora 1630
- [Diptera: Ephydriidae]
 Unknown species 6567
- [Diptera: Muscidae]
 Unknown species 1955
Haematobia irritans 5862 5864 5865
 5866 5867
Musca autumnalis 1514
Musca domestica 2953 5339 5340 5341
 5342 5343 5344 5345 5346 5347
 5861 5863 7049
- [Diptera: Psychodidae]
Phlebotomus papatasi 2972
- [Diptera: Sciaridae]
 Unknown species 6566
- [Diptera: Syrphidae]
Eristalis latifrons 710
- [Diptera: Tachinidae]
 Unknown species 1150
- [Diptera: Tipulidae]
Tipula paludosa 6565
- [Hemiptera]
 Unknown species 5978
- [Hemiptera: Coreidae]
Leptoglossus fulvicornis 3086
- [Hemiptera: Lygaeidae]
Blissus leucopterus 792 2430
Nysius vinitor 300
- [Hemiptera: Mesoveliidae]
Mesovelia mulsanti 320
- [Hemiptera: Miridae]
 Unknown species 3449 3454 3456
Adelphocoris 1516 1517 1523 1524
 1525 1526 1527 1528 1529 1531
 1533 1534 1535 1536 1537 1538
 1539 1540 1635 1636 1637 1638
 1640 1643 1650 1789 1790 1791
 1792 1793 1794 1795 1796 1797
 1798 1799 1800 1801
Lygus 886 1394 1395 1396 1397 1404
 1405 1406 1407 1408 1409 1410
 1411 1412 1413 1414 1520 1521
 1648 1649 1802 1803 1804 1805
 1806 1807 1808 1809 1810 1812
 1813 1814 1822 2318 2319 2320
 2321 2322 2458 2462
Lygus ?lineolaris 1317 1318 1319 1320
 1321 1322 1323 1324 1325
Lygus hesperus 6660 6661
Lygus lineolaris 3769 5808
Lygus pratensis 2461
- [Hemiptera: Nabidae]
Nabis 1988
- [Hemiptera: Pentatomidae]
 Unknown species 737 944 1973 1974
 1984 6722
Acanthosoma labiduroides 7240 7246
 7273
Aelia 6093
Dolycorus 6404 6426
Euschistus heros 1478

<i>Nezara viridula</i> 1054 1474 2011 2457 2516 4092 4093	<i>Nephotettix cincticeps</i> 1098	[Lepidoptera]
<i>Oebalus poecilus</i> 2191	[Homoptera: Cicadidae]	Unknown species 537 2633 2637 2857 6109 6557 7274
<i>Podisus</i> 1457 2519	Unknown species 2544 7256 7258	[Lepidoptera: Arctiidae]
<i>Tibraca limbativentres</i> 933 4091	<i>Magiccicada septendecim</i> 7376	<i>Hyphantria cunea</i> 1564 1565
[Hemiptera: Reduviidae]	[Homoptera: Coccidae]	[Lepidoptera: Bombycidae]
<i>Triatoma infestans</i> 7147	Unknown species 6723	<i>Bombyx mori</i> 302 303 304 305 718 987 1007 2737 5704
[Hemiptera: Rhopalidae]	[Homoptera: Delphacidae]	[Lepidoptera: Brassolidae]
<i>Leptocoris</i> 560 566	Unknown species 7032	<i>Brassolis</i> 2297
<i>Leptocoris oratorius</i> 1269 1270	<i>Nilaparvata lugens</i> 654 679 709 714 717 719 2427	<i>Brassolis sophera</i> 2619 6514
[Hemiptera: Scutelleridae]	[Homoptera: Membracidae]	[Lepidoptera: Cossidae]
<i>Eurygaster</i> 5665 5674 5724 5725 5753 5762 6008 6009 6011 6013 6014 6015 6016 6019 6022 6039 6040 6041 6042 6043 6056 6060 6065 6066 6067 6069 6070 6072 6073 6076 6079 6083 6086 6087 6088 6089 6090 6091 6115 6149	Unknown species 3312 3999	<i>Cossula cossus</i> 1103 1104 1558 <i>Zeuzera pyrina</i> 1105
[Hemiptera: Tingidae]	<i>Kronides</i> 7468	[Lepidoptera: Danaidae]
<i>Corythucha ciliata</i> 812	[Homoptera: Pseudococcidae]	<i>Danaus plexippus</i> 7093
[Heteroptera]	<i>Rhizoecus</i> 2236	[Lepidoptera: Eupterotidae]
Unknown species 4057	[Hymenoptera]	Unknown species 6984
[Heteroptera: Miridae]	Unknown species 7239 7242 7249 7254 7257 7259 7262 7265	[Lepidoptera: Gelechiidae]
Unknown species 4035	[Hymenoptera: ?Megachilidae]	<i>Sitotroga cerealella</i> 5703
<i>Lygus sp.</i> 4053	Unknown species 957	[Lepidoptera: Geometridae]
[Homoptera: Adelgidae]	[Hymenoptera: Apidae]	<i>Isturgia exerrariae</i> 6972 6973
<i>Adelges tsugae</i> 5170 5171 5767 5768 5769 5770 5796 6027	<i>Apis mellifera</i> 5989	[Lepidoptera: Hepialidae]
[Homoptera: Aleyrodidae]	<i>Bombus</i> 7201	<i>Oncopera</i> 4273
<i>Bemisia tabaci</i> 4981 4982 4983 4984 5274 5275 5276 5277 5278 5279 5280 5281 5282 5283 5284 5285 5287 5288 5289 5290 5291 5292 5293 5294 5295 5296	[Hymenoptera: Cephidae]	<i>Oncopera alboguttata</i> 4589 4607 <i>Oncopera intricata</i> 4258 4672
<i>Trialeurodes vaporariorum</i> 6920 6921 6922 6923 6924	[Hymenoptera: Diprionidae]	[Lepidoptera: Hyblaeidae]
[Homoptera: Aphididae]	<i>Diprion pini</i> 338 339	<i>Hyblaea puer</i> 2597
Unknown species 3120 3121 4523 4524	[Hymenoptera: Eurytomidae]	[Lepidoptera: Incurvariidae]
<i>Aphis gossypii</i> 5493 5494	<i>Bephratelloides cubensis</i> 2869	<i>Paraclemensia acerifoliella</i> 5492
<i>Diuraphis noxia</i> 2861 2864 2879 2882 3153 3154 3155 3156 3157 3158 3166 3167 3168 3169 3215 3867 3890 3891 3892 3893 3905 3906 3907 3908 4099 4100 4101 4105 4106 4107 4108 4109 4110 4111 4112 4113 4114 4115 4116 4117 4118 4119 4120 4121 4462 4463 4464 4691 4692 4693 4694 4695 4696 4697 4976 4977 4978 4979 5705 6968 6969 6978 6979 6980	[Hymenoptera: Formicidae]	[Lepidoptera: Lasiocampidae]
<i>Myzus persicae</i> 3385	Unknown species 1960 2487 5069 7260	<i>Dendrolimus spectabilis</i> 1677 <i>Malacosoma americanum</i> 1
<i>Rhopalosiphum padi</i> 6970	<i>Atta</i> 1831 3285	[Lepidoptera: Lymantriidae]
<i>Schizaphis graminum</i> 2336 2860 2880 2881 2883	<i>Atta mexicana</i> 2484 2485 2486 <i>Myrmica rubra</i> 7058 7533 7534 <i>Pogonomyrma occidentalis</i> 7540 7541 7542	<i>Lymantria dispar</i> 155 299 2054 2267 2570 2571 2572 2573 2831 3404 3405 3527 3528 3529 3530 6205 <i>Lymantria dissoluta</i> 6233
[Homoptera: Cercopidae]	<i>Solenopsis</i> 2722 2723	[Lepidoptera: Lyonetiidae]
<i>Deois flavopicta</i> 806 3019	<i>Solenopsis invicta</i> 2401 2402 2403 2404 5956 5957 5960 5961 5962 5967 5973 5974	<i>Leucoptera coffeella</i> 6801 6802 6803 6804 6805 6806 6807 6808 6809 <i>Leucoptera scitella</i> 1115 1117
<i>Zulia carbonaria</i> 6459	<i>Solenopsis quinquecupis</i> 5966 5968 <i>Solenopsis saevissima</i> 5958 5963 5965 5969	[Lepidoptera: Noctuidae]
<i>Zulia entreriana</i> 477	<i>Solenopsis xyloni</i> 5970 5971 5972	Unknown species 1627 1628 1629 <i>Autographa gamma</i> 2253 2254 <i>Helicoverpa armigera</i> 1149 1166 <i>Helicoverpa virescens</i> 1314 1315 1316 1788
[Homoptera: Cicadellidae]	[Hymenoptera: Formicidae: Myrmicinae]	<i>Panolis flammea</i> 6100 6101 6177 6178 <i>Sesamia calamistis</i> 5649 5654 <i>Sesamia cretica</i> 1118 <i>Simyra henrici</i> 5988 <i>Spodoptera frugiperda</i> 3288 <i>Spodoptera littoralis</i> 1512 1513 3286 <i>Spodoptera litura</i> 6646 6647 6648 6650
Unknown species 945	Unknown species 1976 1977 1978 1979	[Lepidoptera: Olethreutidae]
<i>Balacha melanocephala</i> 7464 7465 7467 7469	[Hymenoptera: Ichneumonidae]	<i>Carpocapsa pomonella</i> 503
<i>Empoasca kraemeri</i> 1963	Unknown species 156	[Lepidoptera: Phycitinae]
<i>Molopopterus theae</i> 6982	[Hymenoptera: Megachilidae]	<i>Emmalocera depressella</i> 2417
<i>Nephotettix bipunctata cincticeps</i> 708 1553 1554 1555 1556	Unknown species 7377 7378	[Lepidoptera: Plutellidae]
	[Hymenoptera: Pamphiliidae]	<i>Plutella xylostella</i> 2727 2728 2729 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 4539 4540 4541 4542 4543 6150 6151 6152 6153
	Unknown species 7518 7519 7520 7521	
	<i>Pamphilus betulae</i> 152 154	
	[Hymenoptera: Sphecidae]	
	Unknown species 2545	
	[Hymenoptera: subord. Symphyta]	
	Unknown species 5985	
	[Hymenoptera: Vespidae]	
	Unknown species 730 1953 2943 2944	
	<i>Polistes</i> 6513	
	[Hymenoptera: Superfamily Apoidea]	
	Unknown species 1468	
	[Isoptera: Rhinotermitidae]	
	<i>Coptotermes formosanus</i> 6906 6907 6908	
	<i>Reticulitermes flavipes</i> 3041	

Host by Fungus

- [Lepidoptera: Pyralidae]
Acigona sp. 5647 5648
Chilo plejadellus 326
Cnaphalocrocis medinalis 2041 2349
Coniesta sp. 5646
Diatraea saccharalis 1484 1832 1834
2629 3020 3858 5500 5502
Dioryctria sylvestrella 1001
Eldana saccharina 5645 5653 5655
Galleria mellonella 1113 1114 5370
5510 5557 6147 6148 6556 6894
6904 6905 6931 6932 6933 6934
6935 6936 6937 6938 6939 6940
6941 6943 6949 6950 6951 6952
6953 7060 7356 7357 7358 7359
7360 7361 7362 7364 7365 7366
7367 7552 7553 7554
Gymnancyla canella 6796
Ostrinia nubilalis 501 502 533 652
1038 1121 2976
Terastia meticulosalis 1836
- [Lepidoptera: Saturniidae]
Unknown species 843
Schirius 2962
- [Lepidoptera: Sesiidae]
Monopetalotaxis doleriformis 6971
6974 6975 6976 6977 6981
- [Lepidoptera: Stenomatinae]
Stenoma decora 1479
- [Lepidoptera: Tortricidae]
Unknown species 5169
Choristoneura 1850
Cydia pomonella 151 1122 3220 3972
3973 3974 3975 3977 3978 3979
5063 5064 5065 5066 5067 5068
5228 5229 5230 5231 5232 5233
5234 5235 5886 5887 5888 6181
6182 6184 6185 6186 6187 6189
6191 6194 6195 6196 6201 6208
6209
Hedya nubiferana 6199
Lobesia botrana 1107 1110
Rhyacionia frustrana 5573
- [Lepidoptera: Yponomeutidae]
Yponomeutidae 3965 3966 3967 3968
3969 3970 3971
- [Neuroptera: Chrysopidae]
Chrysopa 153
- [Odonata: suborder Anisoptera]
Unknown species 4688
- [Orthoptera]
Unknown species 3622 6231
- [Orthoptera: Acrididae]
Unknown species 356 357 1053 1326
1959 4580 4622 5737 5738 6230
6232 7030 7235 7250
Melanoplus 3620 3866 3897 3898 5273
Oxyops vitiosa 5987
Phaulacridium vittatum 4150
Schistocerca gregaria 5633 5634 5635
5636 5637 5638 5639 5640 5641
5642 5643
- [Orthoptera: Gryllotalpidae]
Scapteriscus vicinus 5977
- [Orthoptera: Tettigoniidae]
Anabrus simplex 7379 7380
- [Orthoptera: Tettigoniodea]
Unknown species 6234
- [Thysanoptera: Phlaeothripidae]
Haplothrips tritici 4200
- [Thysanoptera: Thripidae]
Frankliniella occidentalis 3995 3996
Thrips calcaratus 3216
- Beauveria brongniartii**
[Coleoptera]
Unknown species 2660
- [Coleoptera: Cerambycidae]
Anoplophora malasiaca 6235 6412
Niphonoclea 1431
- [Coleoptera: Scarabaeidae]
Unknown species 4380 4381
Anomala costata 985
Costelytra zealandica 3054
Holotrichia parallela 4384 4385 4386
4388 4465 4466 4467 4468 4469
4470 4471 4472 4473 4474 4475
4476 4477 4478
Melolontha 5355 5356 5357 5358 5359
5360 5361 5362 5363 5364
Melolontha melolontha 617 979 1067
1068 1069 1070 1071 1072 1076
1077 7528
Popillia japonica 4389 4458 4991 4992
4993 4994 4995
- [Coleoptera: Scolytidae]
Ips typographus 4024
- [Hemiptera: Scutelleridae]
Eurygaster 6023
- [Homoptera: Cicadellidae]
Nephotettix bipunctata cincticeps 678
- [Lepidoptera: Castniidae]
Castnia licus 1481 1829
- [Lepidoptera: Pyralidae]
Diatraea saccharalis 1482 1830
Galleria mellonella 7555 7556 7557
7558 7559 7560 7561
- Beauveria velata**
[Lepidoptera]
Unknown species 2998
- Microhilum oncoperae**
[Lepidoptera: Hepialidae]
Oncopera intricata 4358 4771
Oncopera intrucata 4767 4768 4770

Animalia

Arthropoda • Arachnida

Acari: Ixodidae

Hungary
Beauveria bassiana 6967
Ixodes scapularis
Beauveria bassiana 6897

Araneida

Denmark
Beauveria bassiana 4042

Araneida: Araneae

Ethiopia
Beauveria bassiana 6690
Beauveria sp. 6691
USA, Vermont
Beauveria bassiana 5172 5173
Beauveria sp. 5174 5187

Arthropoda • Entognatha

Collembola: Sminthuridae

Sminthurus viridis
Denmark
Beauveria bassiana 5853

Arthropoda • Insecta

Coleoptera

Argentina
Beauveria bassiana 7470
Brazil, Goiás
Beauveria bassiana 754
Brazil, Pará
Beauveria amorpha 2251
Ethiopia
Beauveria bassiana 6692 6693 6695
6696 6697
France
Beauveria bassiana 1980
India
Beauveria brongniartii 2660
Location not specified
Beauveria bassiana 293 4382
Philippines
Beauveria bassiana 3197 3198 3199
Poland
Beauveria bassiana 301
PR China
Beauveria bassiana 7164
Republic of Korea
Beauveria sp. 5697
Turkey
Beauveria bassiana 5668
Beauveria sp. 5831
United Kingdom
Beauveria bassiana 6559 6560
USA, Florida
Beauveria bassiana 5979
USA, New York
Beauveria bassiana 350

Coleoptera: Anthicidae

Anthicus floralis
Poland
Beauveria bassiana 157

Coleoptera: Anthribidae

Araecerus fasciculatus
USA, Florida
Beauveria bassiana 413

Coleoptera: Bruchidae

Caryedon serratus
France
Beauveria bassiana 1186

Coleoptera: Buprestidae

Kyrgyz Republic
Beauveria bassiana 6499

Coleoptera: Carabidae

Brazil, Mato Grosso
Beauveria bassiana 952
Ethiopia
Beauveria bassiana 6689
France
Beauveria bassiana 1975
Republic of Korea
Beauveria bassiana 7241 7268 7270
USA, Washington
Beauveria bassiana 3386
Uzbekistan
Beauveria bassiana 6059 6099
Amara familiaris
Denmark
Beauveria bassiana 4034
Amara plebeja
Denmark
Beauveria bassiana 4031
Bembidion lampros
Denmark
Beauveria bassiana 4032

Coleoptera: Cerambycidae

Brazil, Ceará
Beauveria bassiana 785
Ecuador
Beauveria bassiana 2557
France
Beauveria bassiana 5072
Mexico
Beauveria bassiana 319
Republic of Korea
Beauveria bassiana 6721 7251 7261
7266 7275 7276
USA, Rhode Island
Beauveria bassiana 318
Anoplophora glabripennis
PR China
Beauveria bassiana 6387 6390 7155
7156 7157 7166 7167 7168 7169
7170 7171 7172 7173 7174 7175
7176 7177 7178
USA, Connecticut
Beauveria bassiana 6393
USA, Illinois
Beauveria bassiana 7152 7153 7154

USA, New York
Beauveria bassiana 6391 7158 7159
7179

Anoplophora malasiaca

Japan
Beauveria brongniartii 6235 6412

Aromia moschata

Italy
Beauveria bassiana 1559 1560 1561
1562 1563

Dectes texanus

USA, Kansas
Beauveria bassiana 6471

Enaphalodes rufulus

USA, Arkansas
Beauveria bassiana 7404

Moechotypa diphysis

Japan
Beauveria bassiana 1678

Monochamus alternatus

Japan
Beauveria bassiana 1679

Monochamus scutellatus

USA, Michigan
Beauveria bassiana 7162 7163

Niphonoclea sp.

Philippines
Beauveria brongniartii 1431

Ortholeptura valida

USA, Oregon
Beauveria bassiana 5997

Plectrodera scalator

USA, Michigan
Beauveria bassiana 7160 7161 7165

Psacotheta hilaris

Japan
Beauveria amorpha 1680
Beauveria bassiana 1041

Coleoptera: Chrysomelidae

Brazil, Goiás
Beauveria bassiana 1451 1971
Mexico
Beauveria ?bassiana 6890 6891
Republic of Korea
Beauveria bassiana 7244 7247 7271
7272
Vietnam
Beauveria bassiana 751
Yugoslavia, Serbia
Beauveria bassiana 504
Cerotoma sp.
Brazil, Mato Grosso
Beauveria bassiana 951
Brazil, Paraná
Beauveria bassiana 1458
Brazil, Santa Catarina
Beauveria bassiana 1467
Cerotoma arcuata
Brazil, Amazonas
Beauveria bassiana 731 732 756
Brazil, Bahia
Beauveria bassiana 2075
Brazil, Goiás
Beauveria bassiana 931 934

<i>Crimissa</i> sp.	<i>Leptinotarsa decemlineata</i>	<i>Xanthogaleruca luteola</i>
Brazil, Ceará	Canada, Ontario	Argentina
<i>Beauveria bassiana</i> 786 788 805	<i>Beauveria bassiana</i> 5807	<i>Beauveria bassiana</i> 5501
<i>Crimissa cruralis</i>	Canada, Québec	Coleoptera: Coccinellidae
Brazil, Ceará	<i>Beauveria bassiana</i> 2987 2988 2989	Republic of Korea
<i>Beauveria bassiana</i> 4001	2990 2991	<i>Beauveria</i> sp. 4853
<i>Diabrotica</i> sp.	Commonwealth of Independent States	Turkey
Brazil	<i>Beauveria bassiana</i> 2695	<i>Beauveria</i> sp. 5678 5833
<i>Beauveria bassiana</i> 3219	France	Uzbekistan
Brazil, Amazonas	<i>Beauveria bassiana</i> 149 384 1982	<i>Beauveria bassiana</i> 6055 6061 6062
<i>Beauveria bassiana</i> 2512	Germany	6063 6074 6075 6092 6095 6111
Brazil, Goiás	<i>Beauveria bassiana</i> 340	6112
<i>Beauveria bassiana</i> 956 2938 2942	Italy	<i>Coccinella</i> sp.
Brazil, Mato Grosso	<i>Beauveria bassiana</i> 1106	USA, New York
<i>Beauveria bassiana</i> 946 947 948 949	Location not specified	<i>Beauveria bassiana</i> 2033 2034
950 982	<i>Beauveria bassiana</i> 5286	<i>Coccinella septempunctata</i>
Colombia	USA, Maine	Denmark
<i>Beauveria bassiana</i> 721	<i>Beauveria bassiana</i> 33 252 353	<i>Beauveria bassiana</i> 4018 4027
Mexico	USA, Michigan	Location not specified
<i>Beauveria bassiana</i> 3287	<i>Beauveria bassiana</i> 5813	<i>Beauveria bassiana</i> 3534
<i>Diabrotica balteata</i>	USA, New York	USA, Michigan
Mexico	<i>Beauveria bassiana</i> 534 535 1039	<i>Beauveria bassiana</i> 2580
<i>Beauveria bassiana</i> 3309	1081 1619 1620 1621 1622 1623	<i>Coleomegilla maculata</i>
<i>Diabrotica barberi</i>	1624 1704 1705 1706 1707 1708	Brazil, Alagoas
USA, South Dakota	1709 1710 1711 1712 1713 1721	<i>Beauveria bassiana</i> 1956
<i>Beauveria bassiana</i> 2579	1722 1723 1749 1750 1775 1776	<i>Cycloneda sanguinea</i>
<i>Diabrotica paranaensis</i>	1777 1778 1779 1780 1781 2030	Argentina
Brazil, Goiás	2031 2032 5533 5534 5535 5536	<i>Beauveria bassiana</i> 2010
<i>Beauveria bassiana</i> 739 752 758 809	5537 6986 6987 6988	<i>Hippodamia convergens</i>
Brazil, Mato Grosso	USA, Rhode Island	USA, New York
<i>Beauveria bassiana</i> 937 938	<i>Beauveria bassiana</i> 317	<i>Beauveria bassiana</i> 4973 4974 4975
<i>Diabrotica speciosa</i>	USA, Washington	Coleoptera: Cucujidae: Silvaninae
Argentina	<i>Beauveria bassiana</i> 344 1079	<i>Ahasverus advena</i>
<i>Beauveria bassiana</i> 2515	Yugoslavia	Denmark
Brazil, Alagoas	<i>Beauveria bassiana</i> 505 506 507 510	<i>Beauveria bassiana</i> 5857
<i>Beauveria bassiana</i> 1954	Yugoslavia, Croatia	Coleoptera: Curculionidae
Brazil, Bahia	<i>Beauveria bassiana</i> 509	USA, New York
<i>Beauveria bassiana</i> 1961	Yugoslavia, Vovodina	<i>Beauveria bassiana</i> 3667
Brazil, Goiás	<i>Beauveria bassiana</i> 508	Argentina
<i>Beauveria bassiana</i> 928 1476 2625	<i>Lilioceris lili</i>	<i>Beauveria bassiana</i> 7202 7466 7471
2626	<i>Beauveria bassiana</i> 5195	<i>Beauveria</i> sp. 7463
Brazil, Paraná	<i>Maecolaspis monrosi</i>	Brazil, Goiás
<i>Beauveria bassiana</i> 958 1060 1453	Argentina	<i>Beauveria bassiana</i> 930
1454 1455 1461 1462 1463 1466	<i>Beauveria bassiana</i> 2509	Brazil, Paraná
1469 2511 2520	<i>Notonata</i> sp.	<i>Beauveria bassiana</i> 1061
Brazil, Rio Grande do Sul	Costa Rica	Denmark
<i>Beauveria bassiana</i> 1456 1459 1460	<i>Beauveria bassiana</i> 3437 3438 3439	<i>Beauveria bassiana</i> 4052
1464 1465 1475	3441 3442 3444 3446 3447 3450	Republic of Korea
Brazil, Santa Catarina	3451 3452 3455	<i>Beauveria bassiana</i> 2040 7248
<i>Beauveria bassiana</i> 1470 1471 1472	<i>Odontota dorsalis</i>	USA, New York
1473	<i>Beauveria bassiana</i> 5553	<i>Beauveria bassiana</i> 6213 6214 6215
<i>Diabrotica undecimpunctata</i>	<i>Pachybrachis pallicornis</i>	6216 6217
USA, Oregon	Malaysia	<i>Anthonomus grandis</i>
<i>Beauveria bassiana</i> 201	<i>Beauveria</i> sp. 547	Brazil
<i>Diabrotica virgifera</i>	<i>Paropsis charybdis</i>	<i>Beauveria</i> sp. 1835
Mexico	New Zealand	Brazil, São Paulo
<i>Beauveria bassiana</i> 2330	<i>Beauveria bassiana</i> 3066	<i>Beauveria bassiana</i> 1966 2559 2638
USA, Nebraska	<i>Pyrrhalta luteola</i>	2639 2945 2946
<i>Beauveria bassiana</i> 3111	France	<i>Anthonomus musculus</i>
<i>Galerucella</i> sp.	<i>Beauveria bassiana</i> 1509 1510 1511	USA, Massachusetts
USA, Texas	1518 1519	<i>Beauveria bassiana</i> 3037
<i>Beauveria bassiana</i> 5465	<i>Systema</i> sp.	<i>Apion</i> sp.
<i>Galerucina</i> sp.	Brazil, Goiás	Denmark
France	<i>Beauveria bassiana</i> 2079	<i>Beauveria bassiana</i> 4023
<i>Beauveria bassiana</i> 2463		

<i>Aracanthus</i> sp. Brazil, Ceará <i>Beauveria bassiana</i> 753	<i>Metamasius hemipterus</i> Brazil, Paraná <i>Beauveria bassiana</i> 2642	Coleoptera: Curculionidae: Apioninae <i>Cylas formicarius elegantulus</i> Peru <i>Beauveria bassiana</i> 5982 USA, Florida <i>Beauveria bassiana</i> 5981
<i>Ceutorhynchus litura</i> Location not specified <i>Beauveria bassiana</i> 3403	<i>Oryzophagus oryzae</i> Brazil, Rio Grande do Sul <i>Beauveria bassiana</i> 3098	Coleoptera: Elateridae Brazil, Ceará <i>Beauveria bassiana</i> 784 804 France <i>Beauveria bassiana</i> 150 Turkey <i>Beauveria bassiana</i> 5670
<i>Chalcodermus</i> sp. Brazil, Mato Grosso <i>Beauveria bassiana</i> 941 942 943 953	<i>Otiiorhynchus ligustici</i> Hungary <i>Beauveria bassiana</i> 6884 6885	Coleoptera: Lagriidae <i>Lagria vilosa</i> Brazil, Goiás <i>Beauveria bassiana</i> 2961
<i>Chalcodermus aeneus</i> Brazil, Goiás <i>Beauveria bassiana</i> 733 734 735 736 738	<i>Otiiorhynchus sulcatus</i> France <i>Beauveria bassiana</i> 813 814 815 1073 1074 1075	Coleoptera: Lampyridae USA, Vermont <i>Beauveria</i> sp. 5186
USA, Georgia <i>Beauveria bassiana</i> 336 337	New Zealand <i>Beauveria bassiana</i> 3065	Coleoptera: Languriidae Costa Rica <i>Beauveria bassiana</i> 3457
<i>Conotrachelus nenuphar</i> Location not specified <i>Beauveria bassiana</i> 1016	United Kingdom <i>Beauveria bassiana</i> 6552	Coleoptera: Nitidulidae Australia <i>Beauveria bassiana</i> 325
<i>Cosmopolites</i> sp. Brazil <i>Beauveria bassiana</i> 1833	<i>Premnotrypes latithorax</i> Peru <i>Beauveria bassiana</i> 5983 5984	Coleoptera: Pythidae <i>Pytho</i> sp. Canada, British Columbia <i>Beauveria bassiana</i> 1854
<i>Cosmopolites sordidus</i> Brazil, Espírito Santo <i>Beauveria bassiana</i> 1483	<i>Premnotrypes suturicallus</i> Peru <i>Beauveria bassiana</i> 1969	Coleoptera: Rhizophagidae <i>Rhizophagus grandis</i> Belgium <i>Beauveria bassiana</i> 1848
West Africa <i>Beauveria bassiana</i> 4798 4799	<i>Premnotrypes vorax</i> Colombia <i>Beauveria bassiana</i> 2248	Coleoptera: Scarabaeidae Ethiopia <i>Beauveria bassiana</i> 6686 Location not specified <i>Beauveria brongniartii</i> 4380 4381 Republic of Korea <i>Beauveria bassiana</i> 7264 Turkey <i>Beauveria bassiana</i> 5669 Uzbekistan <i>Beauveria bassiana</i> 6058
<i>Curculio caryae</i> USA, Georgia <i>Beauveria bassiana</i> 2676	<i>Rhynchophorus ferrugineus</i> Iran <i>Beauveria bassiana</i> 6903	<i>Adoryphorus couloni</i> Australia <i>Beauveria bassiana</i> 4135 4136 4149 4274 4642 4721
<i>Cyrtopistomus castaneus</i> USA, Kentucky <i>Beauveria bassiana</i> 2270 2271	<i>Shirahoshizo insidiosus</i> Japan <i>Beauveria</i> sp. 1681	<i>Ancognatha scarabaeoides</i> Colombia <i>Beauveria bassiana</i> 2249 2250
<i>Diaprepes abbreviata</i> Location not specified <i>Beauveria bassiana</i> 433	<i>Sitona</i> sp. France <i>Beauveria bassiana</i> 1647	<i>Anomala costata</i> Japan <i>Beauveria amorpha</i> 1676 <i>Beauveria brongniartii</i> 985
USA, Florida <i>Beauveria bassiana</i> 412 416	New Zealand <i>Beauveria bassiana</i> 3063	<i>Anomala cuprea</i> Japan <i>Beauveria bassiana</i> 1683 <i>Beauveria</i> sp. 1682
<i>Geraeus senilis</i> Mexico <i>Beauveria bassiana</i> 3310 3311	<i>Sitona discoideus</i> France <i>Beauveria bassiana</i> 816 1185 1191	
<i>Hypera postica</i> Denmark <i>Beauveria bassiana</i> 4038 4049	Morocco <i>Beauveria bassiana</i> 1153 1154 1155 1163 1164 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1183 1188 1189 1190 1309 1311 1312 1313 1811 1815 1816 1817 1818 1819 1820 1821	
France <i>Beauveria bassiana</i> 1389 1398 1399 1515	<i>Sitona humeralis</i> France <i>Beauveria bassiana</i> 1491	
<i>Beauveria</i> sp. 1327	<i>Sitona lineatus</i> Denmark <i>Beauveria bassiana</i> 4013 4015 4016 4019 4021 4041	
USA, Nebraska <i>Beauveria bassiana</i> 2199	France <i>Beauveria bassiana</i> 1156 1157 1158 1159 1160 1161 1162 1165 1167 1168 1169 1170 1182 1192 1193 1194 1306	
USA, South Carolina <i>Beauveria bassiana</i> 2200	<i>Sternechus subsignatus</i> Brazil, Paraná <i>Beauveria bassiana</i> 1450	
<i>Larinus</i> sp. Switzerland <i>Beauveria bassiana</i> 2694		
<i>Listronotus oregonensis</i> Canada, Québec <i>Beauveria bassiana</i> 2983 2984 2985 2986		
<i>Metamasius</i> sp. Colombia <i>Beauveria bassiana</i> 842		
<i>Metamasius callizona</i> USA, Florida <i>Beauveria bassiana</i> 5986		

- Aphodius tasmaniae*
New Zealand
Beauveria bassiana 3070
- Costelytra zealandica*
New Zealand
Beauveria bassiana 3055
Beauveria brongniartii 3054
- Holotrichia parallela*
China
Beauveria brongniartii 4384 4385
4386 4388 4465 4466 4467 4468
4469 4470 4471 4472 4473 4474
4475 4476 4477 4478
- Lachnosterna morosa*
Japan
Beauveria sp. 1685
- Melolontha* sp.
Germany
Beauveria brongniartii 5355 5356
5357 5358 5359 5360 5361 5362
5363 5364
- Melolontha melolontha*
France
Beauveria brongniartii 617 979
- Switzerland
Beauveria brongniartii 1067 1068
1069 1070 1071 1072 1076 1077
7528
- Pachnoda interrupta*
Ethiopia
Beauveria bassiana 6669 6676 6681
- Phyllophaga* sp.
Mexico
Beauveria bassiana 5740 5741 5742
5743 5744 5745
- Popillia japonica*
Azores
Beauveria amorpha 4990
Beauveria brongniartii 4991 4992
4993 4994 4995
- Japan
Beauveria brongniartii 4389 4458
Beauveria sp. 4390 4391 4392
- Location not specified
Beauveria bassiana 3716 3717
- Portugal
Beauveria bassiana 5148 5150
- Rhopaea magnicornis*
Australia
Beauveria bassiana 4130
- Xyloryctes jamaicensis*
India
Beauveria sp. 2412
- Coleoptera: Scolytidae**
Switzerland
Beauveria bassiana 1566 1567
- USA, Hawaii
Beauveria bassiana 3040
- Dendroctonus ponderosae*
Canada, British Columbia
Beauveria bassiana 1849 1853
- Dendroctonus rufipennis*
Canada, British Columbia
Beauveria bassiana 1017
- Dryocoetes confusus*
Canada, British Columbia
Beauveria bassiana 1852
- Hypothenemus hampei*
Brazil, São Paulo
Beauveria bassiana 1480
- Cameroon
Beauveria bassiana 6526 6527 6528
6529 6530 6531 6532
- Ivory Coast
Beauveria bassiana 5436 5437 5438
5439 5440 5441 5442 5459 5460
5461 5477 5482 5483 5484 5485
5486 5487
- Kenya
Beauveria bassiana 2685 2686 2687
- Mexico
Beauveria bassiana 2693 3818 3819
- Nicaragua
Beauveria bassiana 3440 3443 3445
3448 3453
- Togo
Beauveria bassiana 2688 2689 2690
2691 2692 5443 5444 5445 5446
5447 5448 5449 5450 5451 5452
5453 5454 5455 5456 5457 5458
5478 5479 5480 5481 5488 5489
5490
- Ips* sp.
Canada, British Columbia
Beauveria bassiana 1855
- Ips stenographus*
Norway
Beauveria bassiana 6900
- Ips typographus*
Denmark
Beauveria brongniartii 4024
- Switzerland
Beauveria bassiana 7525 7526
- Tomicus minor*
France
Beauveria bassiana 4980 5070 5071
Beauveria sp. 4933
- Tomicus pimiperda*
France
Beauveria sp. 4909 4910 4911 4912
4913 4914 4915 4916 4917 4918
- Coleoptera: Scolytidae (Tribe Ipini)**
PR China
Beauveria bassiana 6229
- Coleoptera: Staphylinidae**
Denmark
Beauveria bassiana 4055
- USA, Nebraska
Beauveria bassiana 3112
- Anotylus rugosus*
Denmark
Beauveria bassiana 4051 4056
- Anotylus* sp.
Denmark
Beauveria bassiana 4046
- Gyrophypnus angustatus*
Denmark
Beauveria bassiana 4054
- Tachyporus* sp.
Denmark
Beauveria bassiana 4028
- Coleoptera: Tenebrionidae**
Brazil, Ceará
Beauveria bassiana 757 783 787
- Khazakistan
Beauveria bassiana 6478 6483
- Uzbekistan
Beauveria bassiana 6057 6064 6077
6078 6096 6113
- Alphitobius diaperinus*
Beauveria bassiana 5836 5838 5839
5840 5843
- Tenebrio molitor*
Finland
Beauveria bassiana 5623
- Tribolium castaneum*
Finland
Beauveria bassiana 5622
- Coleoptera: adephaga**
Turkey
Beauveria bassiana 5672
- Colombia
Beauveria bassiana 796
- Republic of Korea
Beauveria bassiana 7252
- USA, Florida
Beauveria bassiana 5991
- USA, Vermont
Beauveria bassiana 5495 5496
- Dermoptera: Forficulidae**
Forficula africana
Benin
Beauveria bassiana 5652
- Nigeria
Beauveria bassiana 5650 5651
- Forficula auricularia*
Brazil, Distrito Federal
Beauveria bassiana 3018
- Dictyoptera: Mantidae**
Republic of Korea
Beauveria bassiana 7236 7238
- Diptera**
Brazil, Bahia
Beauveria bassiana 1962
- Republic of Korea
Beauveria bassiana 7269
- Sri Lanka
Beauveria bassiana 2454
- Diptera: Anthomyiidae**
Delia antiqua
France
Beauveria bassiana 1864 1865 1866
- Delia radicum*
Canada, Québec
Beauveria bassiana 1151
- Denmark
Beauveria bassiana 4012
- United Kingdom
Beauveria bassiana 6553 6555 6563
6564 6568

Diptera: Calliphoridae

Calliphora sp.
France
Beauveria bassiana 1630

Diptera: Ephydriidae

United Kingdom
Beauveria bassiana 6567

Diptera: Muscidae

Brazil, Alagoas
Beauveria bassiana 1955
Haematobia irritans
Denmark
Beauveria bassiana 5862 5864 5865
5866 5867
Musca autumnalis
France
Beauveria bassiana 1514
Musca domestica
Argentina
Beauveria bassiana 7049
Denmark
Beauveria bassiana 5861 5863
USA, New York
Beauveria bassiana 2953 5339 5340
5341 5342 5343 5344 5345 5346
5347

Diptera: Psychodidae

Phlebotomus papatasi
United Kingdom
Beauveria bassiana 2972

Diptera: Sciaridae

United Kingdom
Beauveria bassiana 6566

Diptera: Syrphidae

Eristalis latifrons
USA
Beauveria bassiana 710

Diptera: Tachinidae

France
Beauveria bassiana 1150

Diptera: Tipulidae

Tipula paludosa
United Kingdom
Beauveria bassiana 6565

Hemiptera

USA, Florida
Beauveria bassiana 5978

Hemiptera: Coreidae

Leptoglossus fulvicornis
USA, Florida
Beauveria bassiana 3086

Hemiptera: Lygaeidae

Blissus leucopterus
USA, Kansas
Beauveria bassiana 792 2430
Nysius vinitor
Australia
Beauveria bassiana 300

Hemiptera: Mesoveliidae

Mesovelia mulsanti
USA, Florida
Beauveria bassiana 320

Hemiptera: Miridae

Costa Rica
Beauveria bassiana 3449 3454 3456
Adelphocoris sp.
Austria
Beauveria bassiana 1533 1534 1535
1536 1537 1538 1539 1540 1635
1636 1637 1638 1640 1643
France
Beauveria bassiana 1516 1517 1523
1524 1650 1789 1790 1791 1792
1793 1794 1795 1796 1797 1798
1799 1800 1801
Italy
Beauveria bassiana 1525 1526 1527
1528 1529 1531
Beauveria sp. 1195 1196 1197 1198
1199 1200 1201 1202 1203 1204
1205 1206 1207 1208 1209 1210
1211 1213 1214 1215 1216 1218
1219 1220 1221 1222 1224

Lygus sp.

France
Beauveria bassiana 1394 1395 1396
1397 1404 1405 1406 1407 1408
1409 1410 1411 1412 1413 1414
1520 1521 1648 1649 2318 2319
2320 2321 2322 2458 2462

Greece

Beauveria bassiana 1802 1803 1812
1822

Spain

Beauveria bassiana 886 1804 1805
1806 1807 1808 1809 1810 1813
1814

Lygus ?lineolaris

France
Beauveria bassiana 1317 1318 1319
1320 1321 1322 1323 1324 1325

Lygus hesperus

USA, California
Beauveria bassiana 6660 6661

Lygus lineolaris

USA, Arkansas
Beauveria bassiana 3769
USA, New York
Beauveria bassiana 5808

Lygus pratensis

France
Beauveria bassiana 2461

Hemiptera: Nabidae

Nabis sp.
Austria
Beauveria bassiana 1988

Hemiptera: Pentatomidae

Austria
Beauveria bassiana 1973 1974
Brazil, Goiás
Beauveria bassiana 737

Brazil, Mato Grosso

Beauveria bassiana 944

France

Beauveria bassiana 1984

Republic of Korea

Beauveria bassiana 6722

Acanthosoma labiduroides

Nepal

Beauveria bassiana 7273

Republic of Korea

Beauveria bassiana 7240 7246

Aelia sp.

Uzbekistan

Beauveria bassiana 6093

Dolycorus sp.

Turkey

Beauveria bassiana 6404 6426

Euschistus heros

Brazil, Goiás

Beauveria bassiana 1478

Nezara viridula

Argentina

Beauveria bassiana 2011 2457 2516

Brazil

Beauveria bassiana 4092 4093

Brazil, Paraná

Beauveria bassiana 1054

Brazil, Santa Catarina

Beauveria bassiana 1474

Oebalus poecilus

Brazil, Goiás

Beauveria bassiana 2191

Podisus sp.

Brazil, Paraná

Beauveria bassiana 1457 2519

Tibraca limbativentris

Brazil

Beauveria bassiana 4091

Brazil, Goiás

Beauveria bassiana 933

Hemiptera: Reduviidae

Triatoma infestans

Argentina

Beauveria bassiana 7147

Hemiptera: Rhopalidae

Leptocoris sp.

Indonesia, Lombok Island

Beauveria bassiana 560

Indonesia, Yogyakarta, Java

Beauveria bassiana 566

Leptocoris oratorius

Philippines

Beauveria bassiana 1269 1270

Hemiptera: Scutelleridae

Eurygaster sp.

Russian Federation

Beauveria bassiana 6008 6009 6011

6013 6014 6015 6016 6019 6022

6039 6040 6041 6042 6043

Beauveria brongniartii 6023

Syria

Beauveria bassiana 5674 6065 6066

6067 6069 6070 6079 6086 6087

6088 6089 6090 6091 6149

- Turkey
Beauveria ?bassiana 5684
Beauveria bassiana 5665 5724 5725
5753 5762
Beauveria sp. 5686
- Uzbekistan
Beauveria bassiana 6056 6060 6072
6073 6076 6083 6115
- Hemiptera: Tingidae**
Corythucha ciliata
France
Beauveria bassiana 812
- Heteroptera**
Denmark
Beauveria bassiana 4057
- Heteroptera: Miridae**
Denmark
Beauveria bassiana 4035
- Lygus* sp.
Denmark
Beauveria bassiana 4053
- Homoptera: Adelgidae**
Adelges tsugae
Beauveria ?bassiana 5815
PR. China
Beauveria bassiana 6027
USA, Connecticut
Beauveria ?bassiana 5816 5817
5818
Beauveria bassiana 5767
USA, Massachusetts
Beauveria bassiana 5170 5171 5770
5796
USA, Virginia
Beauveria bassiana 5768 5769
- Homoptera: Aleyrodidae**
Bemisia tabaci
Location not specified
Beauveria bassiana 5274 5275 5276
5277 5281 5282 5285
Philippines
Beauveria bassiana 4981 4982 4983
4984 5287 5288 5289 5290 5291
5292 5293 5294 5295 5296
USA, Arizona
Beauveria bassiana 5283 5284
USA, Vermont
Beauveria bassiana 5278 5279 5280
Trialeurodes vaporariorum
Canada, Alberta
Beauveria bassiana 6920 6921 6922
6923 6924
- Homoptera: Aphididae**
France
Beauveria bassiana 3120 3121
USA, New York
Beauveria bassiana 4523 4524
Aphis gossypii
USA, Pennsylvania
Beauveria bassiana 5493 5494
Diuraphis noxia
France
Beauveria bassiana 3867 3893
- Hungary
Beauveria ?bassiana 6608
Beauveria bassiana 6968 6969
Laboratory manipulation
Beauveria bassiana 3215 3890 3891
3892 3905 3906 3907 3908 4099
4100 4101 4105 4106 4107 4108
4109 4110 4111 4112 4113 4114
4115 4116 4117 4118 4119 4120
4121
South Africa
Beauveria bassiana 5705 6978 6979
6980
- Turkey
Beauveria bassiana 3153 3154 3155
3156 3157 3158 3166 3167 3168
3169
USA, Idaho
Beauveria bassiana 2861 2864 2879
2882
USA, New York
Beauveria bassiana 4462 4463 4464
4691 4692 4693 4694 4695 4696
4697 4976 4977 4978 4979
- Myzus persicae*
USA, Washington
Beauveria bassiana 3385
Rhopalosiphum padi
Hungary
Beauveria bassiana 6970
Schizaphis graminum
USA, Idaho
Beauveria bassiana 2336 2860 2880
2881 2883
- Homoptera: Cercopidae**
Deois flavopicta
Brazil, Distrito Federal
Beauveria bassiana 3019
Brazil, Goiás
Beauveria bassiana 806
Zulia carbonaria
Colombia
Beauveria bassiana 6459
Zulia entreriana
Brazil, Mato Grosso
Beauveria bassiana 477
- Homoptera: Cicadellidae**
Brazil, Mato Grosso
Beauveria bassiana 945
Balacha melanocephala
Argentina
Beauveria bassiana 7464 7465 7467
7469
Empoasca kraemeri
Brazil, Alagoas
Beauveria bassiana 1963
Molopopterus theae
South Africa
Beauveria bassiana 6982
Nephotettix bipunctata cincticeps
Japan
Beauveria bassiana 1553 1554 1555
1556
PR. China
Beauveria amorpha 656
- Beauveria bassiana* 708
Beauveria brongniartii 678
Nephotettix cincticeps
Japan
Beauveria bassiana 1098
- Homoptera: Cicadidae**
Japan
Beauveria bassiana 7256 7258
Mexico
Beauveria bassiana 2544
Magicicada septendecim
USA, Maryland
Beauveria bassiana 7376
- Homoptera: Coccidae**
Republic of Korea
Beauveria bassiana 6723
- Homoptera: Delphacidae**
USA, Hawaii
Beauveria bassiana 7032
Nilaparvata lugens
Indonesia, Jawa Barat, Java
Beauveria bassiana 2427
PR. China
Beauveria bassiana 654 679 709 714
717 719
- Homoptera: Membracidae**
Brazil, Bahia
Beauveria bassiana 3999
Mexico
Beauveria bassiana 3312
Papua New Guinea
Beauveria sp. 2164
Kronides sp.
Argentina
Beauveria bassiana 7468
- Homoptera: Pseudococcidae**
Rhizoecus sp.
USA, Florida
Beauveria bassiana 2236
- Hymenoptera**
Japan
Beauveria bassiana 7257 7259
Republic of Korea
Beauveria bassiana 7239 7242 7249
7254 7262 7265
- Hymenoptera: ?Megachilidae**
Brazil, Goiás
Beauveria bassiana 957
- Hymenoptera: Apidae**
Apis mellifera
USA, Florida
Beauveria bassiana 5989
Bombus sp.
Argentina
Beauveria bassiana 7201
- Hymenoptera: Cephidae**
Cephus sp.
PR. China
Beauveria bassiana 6793 6794 6795

Hymenoptera: Diprionidae <i>Diprion pini</i> Location not specified <i>Beauveria bassiana</i> 338 339	Hymenoptera: Formicidae: Myrmicinae France <i>Beauveria bassiana</i> 1976 1977 1978 1979	Turkey <i>Beauveria</i> sp. 5832 United Kingdom <i>Beauveria bassiana</i> 6557 Uzbekistan <i>Beauveria bassiana</i> 6109
Hymenoptera: Eurytomidae <i>Bephratelloides cubensis</i> USA, Florida <i>Beauveria bassiana</i> 2869	Hymenoptera: Ichneumonidae Poland <i>Beauveria bassiana</i> 156	Lepidoptera: Arctiidae <i>Hyphantria cunea</i> Italy <i>Beauveria bassiana</i> 1564 1565
Hymenoptera: Formicidae France <i>Beauveria bassiana</i> 5069 Brazil, Bahia <i>Beauveria bassiana</i> 1960 Mexico <i>Beauveria bassiana</i> 2487 Republic of Korea <i>Beauveria bassiana</i> 7260 <i>Atta</i> sp. Brazil <i>Beauveria bassiana</i> 1831 Mexico <i>Beauveria bassiana</i> 3285 <i>Atta mexicana</i> Mexico <i>Beauveria bassiana</i> 2484 2485 2486 <i>Myrmica rubra</i> United Kingdom <i>Beauveria bassiana</i> 7533 7534 USA, Maine <i>Beauveria bassiana</i> 7058 <i>Pogonomyrmex occidentalis</i> USA, Colorado <i>Beauveria bassiana</i> 7540 7541 7542 <i>Solenopsis</i> sp. Brazil <i>Beauveria bassiana</i> 2722 2723 Brazil, São Paulo <i>Beauveria amorpha</i> 2641 <i>Solenopsis invicta</i> Brazil <i>Beauveria</i> sp. 3859 Brazil, Mato Grosso <i>Beauveria bassiana</i> 5959 <i>Beauveria bassiana</i> 2401 2402 2403 2404 5956 5957 5960 5961 5962 Uruguay <i>Beauveria bassiana</i> 5967 USA, Florida <i>Beauveria bassiana</i> 5973 5974 <i>Solenopsis quinquecupis</i> Brazil, Rio Grande do Sul <i>Beauveria bassiana</i> 5968 Uruguay <i>Beauveria bassiana</i> 5966 <i>Solenopsis saevissima</i> Brazil, Minas Gerais <i>Beauveria bassiana</i> 5965 Brazil, Rio Grande do Sul <i>Beauveria bassiana</i> 5969 Brazil, São Paulo <i>Beauveria bassiana</i> 5958 5963 <i>Solenopsis xyloni</i> USA, California <i>Beauveria bassiana</i> 5970 5971 5972	Hymenoptera: Megachilidae <i>Beauveria bassiana</i> 7377 7378 Hymenoptera: Pamphiliidae Japan <i>Beauveria bassiana</i> 7518 7519 7520 7521 <i>Pamphilius betulae</i> Commonwealth of Independent States <i>Beauveria bassiana</i> 152 154 Hymenoptera: Sphecidae Mexico <i>Beauveria bassiana</i> 2545 Hymenoptera: subord. Symphyta USA, Florida <i>Beauveria bassiana</i> 5985 Hymenoptera: Vespidae Brazil, Alagoas <i>Beauveria bassiana</i> 1953 Brazil, Amazonas <i>Beauveria bassiana</i> 730 Brazil, Goiás <i>Beauveria bassiana</i> 2943 2944 <i>Polistes</i> sp. Brazil, São Paulo <i>Beauveria bassiana</i> 6513 <i>Vespula vulgaris</i> Canada, Alberta <i>Beauveria</i> sp. 2997 Hymenoptera: Superfamily Apoidea Brazil, Santa Catarina <i>Beauveria bassiana</i> 1468 Isoptera: Rhinotermitidae <i>Coptotermes formosanus</i> USA, Louisiana <i>Beauveria bassiana</i> 6906 6907 6908 <i>Reticulitermes flavipes</i> Canada, Ontario <i>Beauveria bassiana</i> 3041	Lepidoptera: Bombycidae <i>Bombyx mori</i> Japan <i>Beauveria bassiana</i> 302 303 304 305 987 1007 <i>Beauveria</i> sp. 1040 Philippines <i>Beauveria bassiana</i> 2737 PR China <i>Beauveria bassiana</i> 718 South Africa <i>Beauveria bassiana</i> 5704 Lepidoptera: Brassolidae <i>Brassolis</i> sp. Colombia <i>Beauveria bassiana</i> 2297 <i>Brassolis sophorea</i> Brazil, Pará <i>Beauveria bassiana</i> 2619 Brazil, São Paulo <i>Beauveria bassiana</i> 6514 Lepidoptera: Castniidae <i>Castnia licus</i> Brazil, Pernambuco <i>Beauveria brongniartii</i> 1481 1829 Lepidoptera: Cossidae <i>Cossula cossus</i> Italy <i>Beauveria bassiana</i> 1103 1104 1558 <i>Zeuzera pyrina</i> Italy <i>Beauveria bassiana</i> 1105 Lepidoptera: Danaidae <i>Danaus plexippus</i> <i>Beauveria bassiana</i> 7093 Lepidoptera: Eupterotidae South Africa <i>Beauveria bassiana</i> 6984 Lepidoptera: Gelechiidae <i>Sitotroga cerealella</i> South Africa <i>Beauveria bassiana</i> 5703 Lepidoptera: Geometridae <i>Isturgia exerrariae</i> South Africa <i>Beauveria bassiana</i> 6972 6973

Fungus by Host and Location

Lepidoptera: Hepialidae

Lepidoptera: Pyralidae

Lepidoptera: Hepialidae

Oncopera sp.
Australia
Beauveria bassiana 4273
Oncopera alboguttata
Australia
Beauveria bassiana 4589 4607
Oncopera intricata
Australia
Beauveria bassiana 4258 4672
Microhilum oncoeperae 4358 4771
Oncopera intrucata
Australia
Microhilum oncoeperae 4767 4768
4770

Lepidoptera: Hyblaeidae

Hyblaea puer
India
Beauveria bassiana 2597

Lepidoptera: Incurvariidae

Paraclemensia acerifoliella
USA, Vermont
Beauveria bassiana 5492

Lepidoptera: Lasiocampidae

Dendrolimus spectabilis
Japan
Beauveria bassiana 1677
Malacosoma americanum
USA, Massachusetts
Beauveria bassiana 1

Lepidoptera: Lymantriidae

Lymantria dispar
Canada, Ontario
Beauveria bassiana 2267
Commonwealth of Independent States
Beauveria bassiana 155
France
Beauveria bassiana 6205
Rumania
Beauveria bassiana 299
USA, Delaware
Beauveria bassiana 2570 2571 2572
2573
USA, Maryland
Beauveria bassiana 2831 3404 3529
3530
USA, Oregon
Beauveria bassiana 2054
USA, Pennsylvania
Beauveria bassiana 3528
USA, Virginia
Beauveria bassiana 3405 3527
Lymantria dissoluta
PR China
Beauveria bassiana 6233

Lepidoptera: Lyonetiidae

Leucoptera coffeella
Nicaragua
Beauveria bassiana 6801 6802 6803
6804 6805 6806 6807 6808 6809
Leucoptera scitella
Italy
Beauveria bassiana 1115 1117

Lepidoptera: Noctuidae

Hungary
Beauveria bassiana 1627 1628 1629
Autographa gamma
France
Beauveria bassiana 2253 2254
Helicoverpa armigera
Spain
Beauveria bassiana 1149 1166
Helicoverpa virescens
France
Beauveria bassiana 1314 1315 1316
Spain
Beauveria bassiana 1788
Mocis sp.
Colombia
Beauveria sp. 590
Panolis flammea
United Kingdom
Beauveria bassiana 6100 6101 6177
6178
Sesamia calamistis
Benin
Beauveria bassiana 5649 5654
Sesamia cretica
Italy
Beauveria bassiana 1118
Simyra henrici
USA, Florida
Beauveria bassiana 5988
Spodoptera frugiperda
Mexico
Beauveria bassiana 3288
Beauveria sp. 3289
Spodoptera littoralis
France
Beauveria bassiana 1512 1513 3286
Spodoptera litura
India
Beauveria bassiana 6646 6647 6648
6650

Lepidoptera: Olethreutidae

Carpocapsa pomonella
Yugoslavia, Serbia
Beauveria bassiana 503

Lepidoptera: Phycitinae

Emmalocera depressella
India
Beauveria bassiana 2417

Lepidoptera: Plutellidae

Plutella xylostella
Philippines
Beauveria bassiana 2727 2728 2729
USA, New York
Beauveria bassiana 4525 4526 4527
4528 4529 4530 4531 4532 4533
4534 4535 4536 4537 4538 4539
4540 4541 4542 4543 6150 6151
6152 6153

Lepidoptera: Pyralidae

Acigona sp.
Benin
Beauveria bassiana 5647 5648
Chilo infuscatellus
India
Beauveria sp. 1886
Chilo plejadellus
Australia
Beauveria bassiana 326
Cnaphalocrocis medinalis
Philippines
Beauveria bassiana 2041 2349
Coniesta sp.
Benin
Beauveria bassiana 5646
Diatraea saccharalis
Argentina
Beauveria bassiana 5500 5502
Brazil
Beauveria bassiana 1832 1834 3858
Brazil, Pernambuco
Beauveria bassiana 1484 2629 3020
Brazil, São Paulo
Beauveria brongniartii 1482 1830
Dioryctria sylvestrella
Japan
Beauveria bassiana 1001
Eldana saccharina
Benin
Beauveria ?*bassiana* 5644
Beauveria bassiana 5645 5653 5655
Galleria mellonella
Beauveria ?*bassiana* 6892
Beauveria bassiana 6894
Iran
Beauveria bassiana 6904 6905
Italy
Beauveria bassiana 1113 1114
Norway
Beauveria bassiana 5370 5510 5557
7552 7553 7554
Beauveria brongniartii 7555 7556
7557 7558 7559 7560 7561
Beauveria sp. 7562 7563 7564 7565
7566 7567
United Kingdom
Beauveria bassiana 6556
USA, California
Beauveria bassiana 6147 6148 7060
USA, Montana
Beauveria bassiana 6931 6932 6933
6934 6935 6936 6937 6938 6939
6940 6941 6943 6949 6950 6951
6952 6953
USA, Oregon
Beauveria bassiana 7356 7357 7358
7359 7360 7361 7362 7364 7365
7366 7367
USA, Washington
Beauveria sp. 5078
Gymnancyla canella
France
Beauveria bassiana 6796

Ostrinia nubilalis
Italy
Beauveria bassiana 1121
PR China
Beauveria bassiana 501 502 533 652
USA, New York
Beauveria bassiana 1038
USA, Pennsylvania
Beauveria bassiana 2976
Terastia meticolosalis
Brazil
Beauveria bassiana 1836

Lepidoptera: Saturniidae
Costa Rica
Beauveria bassiana 843
Schirius sp.
Brazil, Paraná
Beauveria bassiana 2962

Lepidoptera: Sesiidae
Monopetalotaxis doleriformis
South Africa
Beauveria bassiana 6971 6974 6975
6976 6977 6981

Lepidoptera: Stenomatinae
Stenoma decora
Brazil, Bahia
Beauveria bassiana 1479

Lepidoptera: Tortricidae
USA, Massachusetts
Beauveria bassiana 5169
Choristoneura sp.
Canada, British Columbia
Beauveria bassiana 1850
Cydia pomonella
Bulgaria
Beauveria bassiana 6181 6187 6194
6195 6208 6209
France
Beauveria bassiana 151 3972 3973
3974 3975 3977 3978 3979 5063
5064 5065 5066 5067 5068 5228
5229 5230 5231 5232 5233 5234
5235 5886 5887 5888 6182 6184
6185 6186 6189 6191 6196 6201
Italy
Beauveria bassiana 1122
Portugal
Beauveria bassiana 3220
Republic of Georgia
Beauveria sp. 6533 6534 6535 6536
6537
Hedya nubiferana
France
Beauveria bassiana 6199
Lobesia botrana
Italy
Beauveria bassiana 1107 1110
Rhyacionia frustrana
USA, Georgia
Beauveria bassiana 5573

Lepidoptera: Yponomeutidae
Yponomeutidae sp.
France
Beauveria bassiana 3965 3966 3967
3968 3969 3970 3971

Neuroptera: Chrysopidae
Chrysopa sp.
Commonwealth of Independent States
Beauveria bassiana 153

Odonata: suborder Anisoptera
USA, New York
Beauveria bassiana 4688

Orthoptera
PR China
Beauveria bassiana 6231
USA
Beauveria bassiana 3622

Orthoptera: ?Gryllacrididae
USA, Tennessee
Beauveria amorpha 6376 6577

Orthoptera: Acrididae
Australia
Beauveria bassiana 356 357 4580
4622
Brazil, Bahia
Beauveria bassiana 1959
Brazil, Paraná
Beauveria bassiana 1053
France
Beauveria bassiana 1326
Madagascar
Beauveria bassiana 5737 5738
PR China
Beauveria bassiana 6230 6232
Republic of Korea
Beauveria bassiana 7235 7250
Russian Federation
Beauveria sp. 4196 4197
USA, Hawaii
Beauveria bassiana 7030
USA, Montana
Beauveria sp. 32
Melanoplus sp.
Greece
Beauveria bassiana 3866 3897 3898
5273
USA
Beauveria bassiana 3620
Oxyops vitiosa
Australia
Beauveria bassiana 5987
Phaulacridium vittatum
Australia
Beauveria bassiana 4150
Schistocerca gregaria
Ethiopia
Beauveria bassiana 5633 5634 5635
5636 5637 5638 5639 5640 5641
5642 5643

Orthoptera: Gryllacrididae
USA, Georgia
Beauveria amorpha 7117

Orthoptera: Gryllotalpidae
Scapteriscus vicinus
USA, Florida
Beauveria bassiana 5977

Orthoptera: Tettigoniidae
Anabrus simplex
Beauveria bassiana 7379 7380

Orthoptera: Tettigonioidae
PR China
Beauveria bassiana 6234

Thysanoptera: Phlaeothripidae
Haplothrips tritici
Spain
Beauveria bassiana 4200

Thysanoptera: Thripidae
Frankliniella occidentalis
Spain
Beauveria bassiana 3995 3996
Thrips calcaratus
USA, Wisconsin
Beauveria bassiana 3216

Vertebrata • Reptilia

Chelonia: Emydidae
Trachemys scripta
Spain
Beauveria ?bassiana 5990

Crocodylia: Alligatoridae
Alligator mississippiensis
USA, Oklahoma
Beauveria bassiana 2455

Geographical Origin

Argentina

Buenos Aires
Beauveria bassiana 5501 7049 7201
 7202 7464 7465 7466 7467 7468 7469
 7471
Beauveria sp. 7463
 Córdoba
Beauveria bassiana 7147
 Santa Fe
Beauveria bassiana 5500 5502
 Tucumán
Beauveria bassiana 2010 2011 2457
 2509 2515 2516 7470

Australia

Macquarie Island
Beauveria bassiana 4289
 New South Wales
Beauveria bassiana 300 356 357 4130
 4589 4607
 Queensland
Beauveria bassiana 325 326 5987
 South Australia
Beauveria bassiana 4273
 Tasmania
Beauveria amorpha 4755
Beauveria bassiana 4135 4136 4149
 4150 4165 4222 4240 4258 4261 4271
 4274 4276 4285 4297 4300 4301 4302
 4305 4320 4326 4353 4356 4564 4571
 4580 4583 4598 4611 4612 4616 4622
 4642 4644 4658 4670 4672 4675 4679
 4685 4721 4728 4741 4744 4745
Beauveria sp. 4254
Microhilum oncoperae 4358 4767 4768
 4770 4771

Austria

Burgenland
Beauveria bassiana 1533 1534 1535
 1536 1537 1538 1539 1540 1635 1636
 1637 1638 1640 1643 1973 1974 1988

Azores

Beauveria amorpha 4990
Beauveria brongniartii 4991 4992
 4993 4994 4995

Belgium

Beauveria bassiana 1848

Benin

Beauveria bassiana 5649 5653
 Atakora
Beauveria bassiana 5654 5655
 Atlantique
Beauveria ?*bassiana* 5644
Beauveria bassiana 5645 5652
 Borgou
Beauveria bassiana 5646 5647 5648

Brazil

Beauveria bassiana 1831 1832 1833
 1834 1836 2722 2723 3219 3858 4091
 4092 4093
Beauveria sp. 1835 3859
 Alagoas
Beauveria bassiana 1953 1954 1955
 1956 1963
 Amazonas
Beauveria bassiana 730 731 732 756
 2512 2957
 Bahia
Beauveria bassiana 1479 1959 1960
 1961 1962 2075 3999
 Ceará
Beauveria bassiana 753 757 783 784
 785 786 787 788 804 805 2637 4001
 Distrito Federal
Beauveria bassiana 3018 3019
 Espírito Santo
Beauveria bassiana 1483
 Goiás
Beauveria bassiana 733 734 735 736
 737 738 739 752 754 758 806 809 928
 930 931 933 934 956 957 1451 1476
 1478 1971 2079 2191 2625 2626 2636
 2938 2942 2943 2944 2961
 Mato Grosso
Beauveria ?*bassiana* 5959
Beauveria bassiana 477 937 938 941
 942 943 944 945 946 947 948 949
 950 951 952 953 982 2401 2402 2403
 2404 5956 5957 5960 5961 5962 5964
 Minas Gerais
Beauveria bassiana 5965
 Pará
Beauveria amorpha 2251
Beauveria bassiana 2619
 Paraná
Beauveria bassiana 958 1053 1054
 1060 1061 1450 1453 1454 1455 1457
 1458 1461 1462 1463 1466 1469 2511
 2519 2520 2642 2962
 Pernambuco
Beauveria bassiana 1484 2629 3020
Beauveria brongniartii 1481 1829
 Rio Grande do Sul
Beauveria bassiana 1456 1459 1460
 1464 1465 1475 3098 3477 5968
 5969
 Santa Catarina
Beauveria bassiana 1467 1468 1470
 1471 1472 1473 1474
 São Paulo
Beauveria amorpha 2641
Beauveria bassiana 1480 1966 2559
 2630 2631 2632 2633 2638 2639 2945
 2946 5958 5963 6513 6514
Beauveria brongniartii 1482 1830

Bulgaria

Beauveria bassiana 6181 6187 6194
 6195 6208 6209

Cameroon

Centre-Sud
Beauveria bassiana 6526 6527 6528
 6529 6530 6531 6532

Canada

Alberta
Beauveria bassiana 3462 6920 6921
 6922 6923 6924
Beauveria sp. 2997
 British Columbia
Beauveria bassiana 1017 1849 1850
 1852 1853 1854 1855
 Ontario
Beauveria bassiana 2267 3041 5807
 Québec
Beauveria bassiana 1151 2983 2984
 2985 2986 2987 2988 2989 2990 2991

Chile

Los Lagos
Beauveria vermiconia 2922

China

Beauveria brongniartii 4384 4385
 4386 4388 4465 4466 4467 4468
 4469 4470 4471 4472 4473 4474 4475
 4476 4477 4478

Colombia

Beauveria bassiana 842 3514
Beauveria sp. 590
 Cauca
Beauveria bassiana 6459
 Meta
Beauveria bassiana 796 2297
 Nariño
Beauveria bassiana 2248 2249 2250
 Valle del Cauca
Beauveria bassiana 721

Commonwealth of Independent States

Beauveria bassiana 152 153 154 155
 220 283 284 285 286 287 288 289
 290 291 292 681 2695

Costa Rica

Beauveria bassiana 843
 Cartago
Beauveria bassiana 3437 3438 3439
 3441 3442 3444 3446 3447 3449 3450
 3451 3452 3454 3455 3456 3457

Czech Republic

Beauveria bassiana 159 160

Denmark

Beauveria bassiana 4019
Beauveria brongniartii 4024
 Funen
Beauveria bassiana 5857
 Fyn
Beauveria bassiana 4051 4055 4056
 Jutland
Beauveria bassiana 4021 4031 5862
 5864
 Storstrøm
Beauveria bassiana 4015

Zealand <i>Beauveria bassiana</i> 4012 4013 4023 4027 4034 4035 4038 4041 4042 4046 4049 4052 4053 4054 4057 5853 5861 5863 5865 5866 5867	Finistere <i>Beauveria bassiana</i> 813 814 815	India <i>Beauveria bassiana</i> 2417 2597 <i>Beauveria brongniartii</i> 2660 <i>Beauveria</i> sp. 2412
Zealand <i>Beauveria bassiana</i> 4016 4018 4026 4028 4032	Gard <i>Beauveria bassiana</i> 3972 3973 3974 3975 3977 3978 3979 5886 5887 5888 6201 6796	Andhra Pradesh <i>Beauveria bassiana</i> 6646 6647 6648 6650
Ecuador <i>Beauveria bassiana</i> 2557 <i>Beauveria velata</i> 2998	Haute-Savoie <i>Beauveria bassiana</i> 1317 1318 1394 1796 1797 1798 1799	Tamil Nadu <i>Beauveria</i> sp. 1886
Ethiopia <i>Beauveria bassiana</i> 5629 5630 5631 5632 5633 5634 5635 5636 5637 5638 5639 5640 5641 5642 5643 6687 6688 <i>Beauveria</i> sp. 6691	Hérault <i>Beauveria bassiana</i> 816 1185 3286 3867 3893 5070 5071 5072 5228 5229 5230 5231 5232 5233 5234 5235	Indonesia Jawa Barat, Java <i>Beauveria bassiana</i> 2427
Gojam <i>Beauveria bassiana</i> 6693	Loiret <i>Beauveria bassiana</i> 1191	Lombok Island <i>Beauveria bassiana</i> 560
Northern Shoa <i>Beauveria bassiana</i> 6669 6676 6681	Port d' Hérault <i>Beauveria bassiana</i> 5063 5064 5065 5066 5067 5068 5069	Yogyakarta, Java <i>Beauveria bassiana</i> 566
Sidamo <i>Beauveria bassiana</i> 6689 6690	Pyrénées-Orientales <i>Beauveria bassiana</i> 1326 1520 1521	Iran <i>Beauveria bassiana</i> 6905
Tigray <i>Beauveria bassiana</i> 6695 6696 6697	S/Céze <i>Beauveria bassiana</i> 3965 3966 3967 3968 3969 3970 3971	Sistan Va Baluchestan <i>Beauveria bassiana</i> 6903
Welo <i>Beauveria bassiana</i> 6692	Seine-Maritime <i>Beauveria bassiana</i> 1514	Tehran <i>Beauveria bassiana</i> 6904
Western Shoa <i>Beauveria bassiana</i> 6686	Seine-Saint-Denis <i>Beauveria bassiana</i> 1395 1650	Italy <i>Beauveria bassiana</i> 1105 1559 1560 1561 1562 1563
Finland <i>Beauveria bassiana</i> 5622	Vauchuse <i>Beauveria bassiana</i> 812 1509 1510 1511 1518 1519	Emilia-Romagna <i>Beauveria bassiana</i> 1103 1104 1107 1110 1113 1114 1115 1117 1118 1119 1122 1558 1564 1565
Vaasan Lääni <i>Beauveria bassiana</i> 5623	<i>Beauveria</i> sp. 4909 4910 4911 4912 4913 4914 4915 4916 4917 4918	Lazio <i>Beauveria</i> sp. 1195 1196 1197 1198 1201 1202 1203 1204 1205 1206 1207 1209 1210 1211 1213 1214 1215 1216 1218 1219 1220 1221 1222 1224
France <i>Beauveria bassiana</i> 149 150 151 384 1150 1157 1159 1160 1165 1167 1168 1169 1170 1182 1186 1306 1314 1315 1316 1319 1320 1321 1322 1323 1324 1325 1389 1396 1397 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1512 1513 1515 1516 1517 1523 1524 1792 1793 1794 1864 1865 1866 1982 6182 6184 6185 6186 6189 6191 6196 6199 6205	Vienne <i>Beauveria bassiana</i> 1491	Sicily <i>Beauveria bassiana</i> 1106
<i>Beauveria brongniartii</i> 617 979	Voges <i>Beauveria bassiana</i> 1789 1790 1791 <i>Beauveria</i> sp. 1327	Toscana <i>Beauveria bassiana</i> 1525 1526 1527 1528
Ardenes <i>Beauveria bassiana</i> 1647	Yvelines <i>Beauveria bassiana</i> 1156 1161 1162 1194 1630 1800 1801 2253 2254 2320 2321 2322 2458 2461 2462 2463 3120 3121	<i>Beauveria</i> sp. 1199 1200 1208
Charente <i>Beauveria bassiana</i> 1648	Germany Hesse <i>Beauveria bassiana</i> 340 <i>Beauveria brongniartii</i> 5355 5356 5357 5358 5359 5360 5361 5362 5363 5364	Umbria <i>Beauveria bassiana</i> 1529 1531
Charente-Maritime <i>Beauveria bassiana</i> 1975 1976 1977 1978 1979 1980	Greece <i>Beauveria bassiana</i> 1802 1803 1812 1822	Venetia <i>Beauveria bassiana</i> 1121
de Gourgas <i>Beauveria bassiana</i> 4980 <i>Beauveria</i> sp. 4933	Crete <i>Beauveria bassiana</i> 3607 3866 3897 3898 5273	Ivory Coast <i>Beauveria bassiana</i> 5436 5437 5438 5439 5440 5441 5442 5459 5460 5461 5477 5482 5483 5484 5485 5486 5487
Drôme <i>Beauveria bassiana</i> 1398 1399 1649 1795 1984	Hungary <i>Beauveria bassiana</i> 1627 1628 1629 6967	Japan <i>Beauveria bassiana</i> 302 303 304 305 308 7256 7257 7258 7259 <i>Beauveria brongniartii</i> 6235
Essonne <i>Beauveria bassiana</i> 2318 2319	Budapest <i>Beauveria ?bassiana</i> 6608 <i>Beauveria bassiana</i> 6612 6613 6614 6968 6969 6970	Aichi Prefecture <i>Beauveria bassiana</i> 1041
Eure <i>Beauveria bassiana</i> 1073 1074 1075 1158 1193	Csongrád <i>Beauveria bassiana</i> 6884 6885	Hokkaido <i>Beauveria brongniartii</i> 4389 4458 <i>Beauveria</i> sp. 4362 4363 4364 4365 4390 4391 4392 4393 4394 4395 4396 4397
Eure-et-Loir <i>Beauveria bassiana</i> 1192		Hokkaido Prefecture <i>Beauveria bassiana</i> 4377 4378 4379 7518 7519 7520 7521

Ibaraki Prefecture <i>Beauveria bassiana</i> 1098 <i>Beauveria brongniartii</i> 6412 <i>Beauveria</i> sp. 1685	Morocco <i>Beauveria bassiana</i> 1153 1154 1155 1163 1164 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1183 1188 1189 1190 1309 1311 1312 1313 1811 1815 1816 1817 1818 1819 1820 1821	Quezon <i>Beauveria bassiana</i> 3181
Ishikawa Prefecture <i>Beauveria bassiana</i> 1677	Nepal <i>Beauveria bassiana</i> 7243 7273 7274	Poland <i>Beauveria bassiana</i> 156 157 158 301 333 334 335 474 1359 <i>Beauveria brongniartii</i> 1360 1366
Kumamoto Prefecture <i>Beauveria bassiana</i> 1679	New Zealand South Island <i>Beauveria bassiana</i> 3055 3063 3065 3066 3070 <i>Beauveria brongniartii</i> 3054	Portugal <i>Beauveria bassiana</i> 3220 Azores <i>Beauveria bassiana</i> 5148 5150 <i>Beauveria</i> sp. 4919 4920
Nagano Prefecture <i>Beauveria amorpha</i> 1676 <i>Beauveria bassiana</i> 1683 <i>Beauveria</i> sp. 1682	Nicaragua <i>Beauveria bassiana</i> 3440 3443 3445 3448 3453	PR China <i>Beauveria bassiana</i> 501 502 533 652 708 709 6387 6793 6794 6795
Nagasaki Prefecture <i>Beauveria bassiana</i> 1678	Carazo <i>Beauveria bassiana</i> 6801 6802 6803 6804 6805 6806 6807 6808 6809	Anhui <i>Beauveria amorpha</i> 6227 <i>Beauveria bassiana</i> 6230 6231 6232 6233 6234 6390
Osaka Prefecture <i>Beauveria bassiana</i> 1553 1554 1555 1556	Nigeria Cross River <i>Beauveria bassiana</i> 5650 5651	Gansu Province <i>Beauveria bassiana</i> 7155 7164
Tokyo Prefecture <i>Beauveria amorpha</i> 1680 <i>Beauveria bassiana</i> 987 1001 1007 <i>Beauveria brongniartii</i> 985 <i>Beauveria</i> sp. 1040 1681	Norway Akershus <i>Beauveria bassiana</i> 5370 6900 Nord Trøndelag <i>Beauveria bassiana</i> 5510 Sogn og Fjordane <i>Beauveria bassiana</i> 7552 7553 7554 <i>Beauveria brongniartii</i> 7555 7556 7557 7558 7559 7560 7561 <i>Beauveria</i> sp. 7562 7563 7564 7565 7566 7567	Guizhou <i>Beauveria bassiana</i> 6229
Kenya <i>Beauveria bassiana</i> 2685 2686 2687	Norway Troms <i>Beauveria bassiana</i> 5557	Hebei Province <i>Beauveria bassiana</i> 7156 7157 7166 7167 7168 7169 7170 7171 7172 7173 7174 7175 7176 7177 7178
Khazakstan <i>Beauveria bassiana</i> 6478 6483	Papua New Guinea <i>Beauveria</i> sp. 2164	Hunan <i>Beauveria amorpha</i> 656 <i>Beauveria brongniartii</i> 678
Kyrgyz Republic <i>Beauveria bassiana</i> 6499	Peru <i>Beauveria bassiana</i> 5982 Andes Mountains <i>Beauveria bassiana</i> 1969 Junín <i>Beauveria bassiana</i> 5983 La Libertad <i>Beauveria bassiana</i> 5984	Hupei <i>Beauveria bassiana</i> 654 679 714 717 719
Laboratory manipulation <i>Beauveria bassiana</i> 34 275 276 277 278 279 280 281 282 2785 3113 3215 3825 3890 3891 3892 3905 3906 3907 3908 4014 4017 4099 4100 4101 4105 4106 4107 4108 4109 4110 4111 4112 4113 4114 4115 4116 4117 4118 4119 4120 4121	Philippines Benguet <i>Beauveria bassiana</i> 2725 2727 2728 2729 2737 2739 2748 3197 3198 3199 5287 5288 5289 5290 5291 5292 5293 5294 5295 5296 Luzon <i>Beauveria bassiana</i> 4981 4982 4983 4984 Manila <i>Beauveria bassiana</i> 2041 2349 <i>Beauveria brongniartii</i> 1431 Palawan <i>Beauveria bassiana</i> 1269 1270	Sichuan Province <i>Beauveria bassiana</i> 6027 Zhijiang <i>Beauveria bassiana</i> 718
Madagascar <i>Beauveria bassiana</i> 5737 5738		Republic of China Taiwan <i>Beauveria bassiana</i> 4866
Malaysia <i>Beauveria</i> sp. 547		Republic of Georgia <i>Beauveria</i> sp. 6533 6534 6535 6536 6537
Mexico <i>Beauveria bassiana</i> 319 2693 3287 3288 3309 3311 <i>Beauveria</i> sp. 3289		Republic of Korea <i>Beauveria bassiana</i> 2040 6658 6722 6723 <i>Beauveria</i> sp. 4853
Colima <i>Beauveria bassiana</i> 3310 3312 5740		Chungnam Province <i>Beauveria bassiana</i> 7239 7240 <i>Beauveria</i> sp. 5697
Durango <i>Beauveria bassiana</i> 2857		Gyeongbuk Province <i>Beauveria bassiana</i> 7275
Jalisco <i>Beauveria bassiana</i> 2330 5741 5742 5743 5744 5745		Gyeonggi Province <i>Beauveria bassiana</i> 7235 7249 7250 7266
Nuevo Leon <i>Beauveria bassiana</i> 2487 2544 2545 3285		Jeju Province <i>Beauveria bassiana</i> 7241 7271 7272
Oaxaca <i>Beauveria bassiana</i> 3818 3819		Jheonnam <i>Beauveria bassiana</i> 7269 7270
Sinaloa <i>Beauveria bassiana</i> 2484 2485 2486		Kangwon-do <i>Beauveria bassiana</i> 6721 7236 7237 7238 7242 7244 7245 7246 7247 7248
Tabasco <i>Beauveria ?bassiana</i> 6890 6891		

7251 7252 7253 7254 7255 7260 7261 7262 7263 7264 7265 7267 7268 7276 <i>Beauveria</i> sp. 4850	Togo <i>Beauveria bassiana</i> 2688 2689 2690 2691 2692 5443 5444 5445 5446 5447 5448 5449 5450 5451 5452 5453 5454 5455 5456 5457 5458 5478 5479 5480 5481 5488 5489 5490	Hawaii <i>Beauveria bassiana</i> 3040 3042 7030 7032
Romania <i>Beauveria bassiana</i> 6228	Turkey <i>Beauveria bassiana</i> 3169 6426	Idaho <i>Beauveria bassiana</i> 2336 2860 2861 2864 2879 2880 2881 2882 2883
Rumania Munteniae <i>Beauveria bassiana</i> 299	Adiyaman <i>Beauveria bassiana</i> 6404	Illinois <i>Beauveria bassiana</i> 7152 7153 7154
Russian Federation <i>Beauveria bassiana</i> 6008 6019 <i>Beauveria</i> sp. 4196 4197	Ankara <i>Beauveria bassiana</i> 3153 3154 3155 3156 3157 3158 3166 3167 3168	Kansas <i>Beauveria bassiana</i> 792 2430 6471
Rostov <i>Beauveria bassiana</i> 6009 6011 6013 6014 6015 6016 6022 6039 6040 6041 6042 6043 <i>Beauveria brongniartii</i> 6023	Gaziantep <i>Beauveria ?bassiana</i> 5684 <i>Beauveria bassiana</i> 5669 5670 5671 5672 5673 5725 <i>Beauveria</i> sp. 5678 5686 5832 5833	Kentucky <i>Beauveria bassiana</i> 2270 2271
Scotland Grampian <i>Beauveria caledonica</i> 2567	Hatay <i>Beauveria bassiana</i> 5668	Louisiana <i>Beauveria bassiana</i> 6906 6907 6908
South Africa Cape Province <i>Beauveria bassiana</i> 6971 6973 6974 6975 6976 6977 6981 6982 6984	Kahraman Maras <i>Beauveria bassiana</i> 5665 5667 5724 5753 5762 <i>Beauveria</i> sp. 5831	Maine <i>Beauveria bassiana</i> 33 252 353 7058
Orange Free State <i>Beauveria bassiana</i> 5703 5704 6972 6978 6979 6980	United Kingdom <i>Beauveria bassiana</i> 6552 6553 6555 6556 6557 6559 6560 6563 6564 6565 6566 6567 6568	Maryland <i>Beauveria bassiana</i> 2831 3404 3529 3530 7376
Western Cape Province <i>Beauveria bassiana</i> 5705	England <i>Beauveria bassiana</i> 2972 7533 7534	Massachusetts <i>Beauveria bassiana</i> 1 3037 5169 5170 5171 5770 5796
Spain <i>Beauveria ?bassiana</i> 5990 <i>Beauveria bassiana</i> 886 1149 1166 1788 1804 1805 1806 1807 1808 1809 1810 1813 1814	Scotland <i>Beauveria bassiana</i> 6100 6101 6177 6178	Michigan <i>Beauveria bassiana</i> 2580 5813 7160 7161 7162 7163 7165
Murcia <i>Beauveria bassiana</i> 3995 3996 4200	Uruguay <i>Beauveria bassiana</i> 5967	Montana <i>Beauveria bassiana</i> 6929 6931 6932 6933 6934 6935 6936 6937 6938 6939 6940 6941 6942 6943 6944 6948 6949 6950 6951 6952 6953 6954 6955 6956 6957
Sri Lanka <i>Beauveria bassiana</i> 2454	Colonia <i>Beauveria bassiana</i> 5966	<i>Beauveria</i> sp. 32
Switzerland <i>Beauveria bassiana</i> 2694 <i>Beauveria brongniartii</i> 1069	USA <i>Beauveria bassiana</i> 710 3620 3622	Nebraska <i>Beauveria bassiana</i> 2199 3111 3112
Bern <i>Beauveria brongniartii</i> 7528	Arizona <i>Beauveria bassiana</i> 5283 5284	New York <i>Beauveria bassiana</i> 350 534 535 536 1038 1039 1081 1619 1620 1621 1622 1623 1624 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1721 1722 1723 1749 1750 1775 1776 1777 1778 1779 1780 1781 2030 2031 2032 2033 2034 2953 3460 3667 4462 4463 4464 4523 4524 4525 4526 4527 4528 4529 4530 4531 4532 4533 4534 4535 4536 4537 4538 4539 4540 4541 4542 4543 4688 4691 4692 4693 4694 4695 4696 4697 4973 4974 4975 4976 4977 4978 4979 5339 5340 5341 5342 5343 5344 5345 5346 5347 5533 5534 5535 5536 5537 5808 6150 6151 6152 6153 6213 6214 6215 6216 6217 6391 6578 6986 6987 6988 7158 7159 7179
Lucerne <i>Beauveria bassiana</i> 7525 7526	Arkansas <i>Beauveria bassiana</i> 3769 7404	North Dakota <i>Beauveria bassiana</i> 5466 5467 5468 6945 6946 6947
Schaffhausen <i>Beauveria bassiana</i> 1566 1567	California <i>Beauveria bassiana</i> 5970 5971 5972 6147 6148 6660 6661 7060	Ohio <i>Beauveria bassiana</i> 296 306 307
Thurgau <i>Beauveria brongniartii</i> 1067 1068 1070 1071 1072 1076 1077	Colorado <i>Beauveria bassiana</i> 7540 7541 7542	Oklahoma <i>Beauveria bassiana</i> 2455
Syria <i>Beauveria bassiana</i> 6065 6066 6067 6069 6070 6079 6086 6087 6088 6089 6090 6091 6149	Connecticut <i>Beauveria ?bassiana</i> 5816 5817 5818 <i>Beauveria bassiana</i> 5767 6393	Oregon <i>Beauveria bassiana</i> 201 2054 5997 7356 7357 7358 7359 7360 7361 7362 7363 7364 7365 7366 7367
Halab <i>Beauveria bassiana</i> 5674	Delaware <i>Beauveria bassiana</i> 2570 2571 2572 2573	Pennsylvania <i>Beauveria bassiana</i> 2976 3528 5493 5494
Thailand <i>Beauveria bassiana</i> 537	Florida <i>Beauveria ?bassiana</i> 5975 5976 <i>Beauveria bassiana</i> 320 412 413 416 2236 2869 3086 4667 5973 5974 5977 5978 5979 5980 5981 5985 5986 5988 5989 5991	
	Georgia <i>Beauveria amorpha</i> 7117 <i>Beauveria bassiana</i> 336 337 2676 5573	

Geographical Origin

Puerto Rico

Beauveria sp. 7079

Rhode Island

Beauveria bassiana 317 318

South Carolina

Beauveria bassiana 2200

South Dakota

Beauveria bassiana 2579

Tennessee

Beauveria amorpha 6376 6577

Texas

Beauveria bassiana 5465

Vermont

Beauveria ?bassiana 5182

Beauveria bassiana 3543 5172 5173

5278 5279 5280 5492 5495 5496

Beauveria sp. 5174 5186 5187

Virginia

Beauveria bassiana 3405 3527 5768

5769

Washington

Beauveria bassiana 344 1079 3385

3386

Beauveria sp. 5078

Wisconsin

Beauveria bassiana 793 3216

Uzbekistan

Beauveria bassiana 6055 6056 6057

6058 6059 6060 6061 6062 6063 6064

6072 6073 6074 6075 6076 6077 6078

6083 6092 6093 6095 6096 6099 6109

6111 6112 6113 6115

Vietnam

Beauveria bassiana 751

West Africa

Cape Verde Islands

Beauveria bassiana 4798 4799

Yugoslavia

Beauveria bassiana 505 506 507 510

Croatia

Beauveria bassiana 509

Serbia

Beauveria bassiana 503 504

Voyvodina

Beauveria bassiana 508

Abbott Laboratories

102A *Beauveria bassiana* 1782
102B(2) *Beauveria bassiana* 1838
104, 106 *Beauveria bassiana* 1783
106 *Beauveria bassiana* 1839
106(2) *Beauveria bassiana* 1652
112 *Beauveria bassiana* 1654
114(2) *Beauveria bassiana* 1653
122-1 *Beauveria bassiana* 1651
124 *Beauveria bassiana* 1747
1985-3-69 *Beauveria bassiana* 1889
89-201 *Beauveria bassiana* 2695
AARC 8401-A(1) *Beauveria bassiana*
1689
AARC 8401-A(2) *Beauveria bassiana*
1690
AARC 8401-B *Beauveria bassiana* 1691
AARC 8401-D *Beauveria bassiana* 1692
Bb028-138 *Beauveria bassiana* 1843
Bb028-148 *Beauveria bassiana* 1844
Bb028-150 *Beauveria bassiana* 1845
Bb028-5F *Beauveria bassiana* 1842
Bb029-13 *Beauveria bassiana* 1846
Bb029-13, "3 of 4" *Beauveria bassiana*
1748

Ahn, S.B.

E5-1 *Beauveria bassiana* 2040

Allee, Leslie

84-1 *Beauveria bassiana* 1704
84-10 *Beauveria bassiana* 1711
84-11 *Beauveria bassiana* 1712
84-12 *Beauveria bassiana* 1713
84-13 *Beauveria bassiana* 1721
84-16 *Beauveria bassiana* 1749
84-18 *Beauveria bassiana* 1750
84-19 *Beauveria bassiana* 1722
84-20 *Beauveria bassiana* 1723
84-22 *Beauveria bassiana* 1775
84-23 *Beauveria bassiana* 1776
84-24 *Beauveria bassiana* 1777
84-25 *Beauveria bassiana* 1778
84-26 *Beauveria bassiana* 1779
84-27 *Beauveria bassiana* 1780
84-28 *Beauveria bassiana* 1781
84-3 *Beauveria bassiana* 1705
84-4 *Beauveria bassiana* 1706
84-5 *Beauveria bassiana* 1707
84-7 *Beauveria bassiana* 1708
84-8 *Beauveria bassiana* 1709
84-9 *Beauveria bassiana* 1710

Altre, Jennifer

BB5B#1 *Beauveria bassiana* 4540
BB5B#2 *Beauveria bassiana* 4541
BB5B#3 *Beauveria bassiana* 4542
BB5B#4 *Beauveria bassiana* 4543

Alves, Sergio Batista

196 *Beauveria bassiana* 1484
197 *Beauveria bassiana* 1832
210 *Beauveria brongniartii* 1830
210 *Beauveria brongniartii* 1482
246 *Beauveria bassiana* 1479
252 *Beauveria bassiana* 1480
256 *Beauveria bassiana* 1478
258 *Beauveria brongniartii* 1829
258 *Beauveria brongniartii* 1481
267 *Beauveria bassiana* 1833
268 *Beauveria bassiana* 1834
290 *Beauveria bassiana* 2638
290 *Beauveria bassiana* 2559
292 *Beauveria bassiana* 2639
295 *Beauveria* sp. 1835
309 *Beauveria bassiana* 1836
447 *Beauveria bassiana* 3734
61 *Beauveria bassiana* 1483
621 *Beauveria amorpha* 2641
63 *Beauveria bassiana* 1831
695 *Beauveria bassiana* 2642
721 *Beauveria bassiana* 2619
726 *Beauveria bassiana* 2621

Aoki, Joji

Beau. 1 *Beauveria bassiana* 987
Beau. 2 *Beauveria* sp. 1040
Beau. 22 *Beauveria brongniartii* 985
Beau. 3 *Beauveria bassiana* 1007
Beau. 5 *Beauveria bassiana* 1001
Isa. 1 *Beauveria bassiana* 1041

APHIS

WFP-361 *Beauveria bassiana* 5273

ARSEF

1103 *Beauveria bassiana* 1558
1451 (deaccessioned) *Beauveria bassiana*
1971
1481 (lost) *Beauveria brongniartii* 1829
1482 (lost) *Beauveria brongniartii* 1830
1555 *Beauveria bassiana* 3906
1558 *Beauveria bassiana* 1103
1829 *Beauveria brongniartii* 1481
1830 *Beauveria brongniartii* 1482
2320 *Beauveria bassiana* 3907
2336 *Beauveria bassiana* 2883
2386 *Beauveria bassiana* 2349
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2638 *Beauveria bassiana* 2559
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2879 *Beauveria bassiana* 4100
2879 *Beauveria bassiana* 4099

2882 *Beauveria bassiana* 3905
2883 *Beauveria bassiana* 2336
3166 *Beauveria bassiana* 3891
3385 *Beauveria bassiana* 3890
3762 *Beauveria bassiana* 3825
3908 *Beauveria bassiana* 3908

ATCC

20872 *Beauveria bassiana* 2404
26156 *Beauveria brongniartii* 617
74250 *Beauveria bassiana* 6444

Balazy, Stanislaw

1594d *Beauveria brongniartii* 1366
1597a *Beauveria bassiana* 1359
1599 *Beauveria brongniartii* 1360

Bernal, M.C. Hugo Cesar Arredondo

BbGC1 *Beauveria bassiana* 5740
BbGC11 *Beauveria bassiana* 5745
BbGC2 *Beauveria bassiana* 5741
BbGC5 *Beauveria bassiana* 5742
BbGC8 *Beauveria bassiana* 5743
BbGC9 *Beauveria bassiana* 5744

Booth, Steve R.

Quinby; BSP *Beauveria* sp. 5078

Borisov, Boris A.

B-205 *Beauveria bassiana* 7592
B-210 *Beauveria bassiana* 7593
B-3-3 *Beauveria* sp. 7579

Boucias, Drion G.

5788 *Beauveria bassiana* 2555

Bradley, Cliff

GMP1 *Beauveria bassiana* 2570
GMP2 *Beauveria bassiana* 2571

Brito, Jorge

14A *Beauveria bassiana* 4799
7A *Beauveria bassiana* 4798

Broadbent, A. Bruce

BB001 *Beauveria bassiana* 5807
BB008 *Beauveria bassiana* 5808

Brownbridge, Michael

B-33 *Beauveria bassiana* 3543
CA 603 *Beauveria bassiana* 7060
EW1 *Beauveria bassiana* 5495
EW2 *Beauveria bassiana* 5496
FREY2 *Beauveria bassiana* 5493
FREY3 *Beauveria bassiana* 5494
MLC8 *Beauveria bassiana* 5492

Bruck, Denny J.

IP-225 *Beauveria bassiana* 7363
IP-238 *Beauveria bassiana* 7364
IP-241 *Beauveria bassiana* 7365
IP-270 *Beauveria bassiana* 7366
IP-310 *Beauveria bassiana* 7367
IP-36 *Beauveria bassiana* 7356
IP-57 *Beauveria bassiana* 7357
IP-62 *Beauveria bassiana* 7358
IP-63 *Beauveria bassiana* 7359
IP-66 *Beauveria bassiana* 7360
IP-93 *Beauveria bassiana* 7361
IP-94 *Beauveria bassiana* 7362

Bulmer, G.S.

05-78 *Beauveria bassiana* 2455

CAAS

4pl *Beauveria brongniartii* 4381
93.1 *Beauveria bassiana* 4382
CZN.9301 *Beauveria brongniartii* 4380

Castrillo, Louela A.

NY-1 *Beauveria bassiana* 6986
NY-11 *Beauveria bassiana* 6988
NY-5 *Beauveria bassiana* 6987

CATIE

1 *Beauveria bassiana* 3437
10 *Beauveria bassiana* 3446
11 *Beauveria bassiana* 3447
12 *Beauveria bassiana* 3448
13 *Beauveria bassiana* 3449
14 *Beauveria bassiana* 3450
15 *Beauveria bassiana* 3451
16 *Beauveria bassiana* 3452
17 *Beauveria bassiana* 3453
18 *Beauveria bassiana* 3454
19 *Beauveria bassiana* 3455
2 *Beauveria bassiana* 3438
20 *Beauveria bassiana* 3456
21 *Beauveria bassiana* 3457
3 *Beauveria bassiana* 3439
4 *Beauveria bassiana* 3440
5 *Beauveria bassiana* 3441
6 *Beauveria bassiana* 3442
7 *Beauveria bassiana* 3443
8 *Beauveria bassiana* 3444
9 *Beauveria bassiana* 3445

CBS

111238 *Beauveria bassiana* 1564
607.80 *Beauveria velata* 2998
645.74 *Beauveria vermiconia* 2922

CCFC

DAOM 191855 *Beauveria caledonica*
2567

CENARGEN

CG 145 *Beauveria bassiana* 2957
CG 165 *Beauveria bassiana* 2961
CG 166 *Beauveria bassiana* 2962
CG 187 *Beauveria bassiana* 3477
CG 68 *Beauveria bassiana* 3018
CG 69 *Beauveria bassiana* 3019
CG 86 *Beauveria bassiana* 3020

CEP

058 *Beauveria bassiana* 7201
059 *Beauveria bassiana* 7202
061 *Beauveria* sp. 7463
072 *Beauveria bassiana* 7464
074 *Beauveria bassiana* 7465
075 *Beauveria bassiana* 7466
077 *Beauveria bassiana* 7467
080 *Beauveria bassiana* 7468
081 *Beauveria bassiana* 7469
083 *Beauveria bassiana* 7470
092 *Beauveria bassiana* 7471

Chandler, David

HRI 462.99 *Beauveria bassiana* 6567
HRI 342.92 *Beauveria bassiana* 6552
HRI 347.92 *Beauveria bassiana* 6553
HRI 365.92 *Beauveria bassiana* 6555
HRI 367.93 *Beauveria bassiana* 6556
HRI 373.93 *Beauveria bassiana* 6557
HRI 386.93 *Beauveria bassiana* 6559
HRI 397.93 *Beauveria bassiana* 6560
HRI 405.94 *Beauveria bassiana* 6563
HRI 407.95 *Beauveria bassiana* 6564
HRI 417.96 *Beauveria bassiana* 6565
HRI 461.99 *Beauveria bassiana* 6566
HRI 465.99 *Beauveria bassiana* 6568

CIAT

044 *Beauveria bassiana* 6459

CIRI

Anderson Isolate *Beauveria bassiana*
3113

CNPAF

258 *Beauveria bassiana* 2631
267 *Beauveria bassiana* 2632
268 *Beauveria bassiana* 2633
52 *Beauveria bassiana* 1450
63 *Beauveria bassiana* 2630
81-11-25-01 *Beauveria bassiana* 730
81-11-25-04 *Beauveria bassiana* 756
81-11-25-05 *Beauveria bassiana* 731
81-11-25-07 *Beauveria bassiana* 732
82-07-27-01 *Beauveria bassiana* 928
82-1-15-02 *Beauveria bassiana* 735
82-1-26-01 *Beauveria bassiana* 737
82-1-6-01 *Beauveria bassiana* 733
82-1-6-03 *Beauveria bassiana* 734
82-1-6-04 *Beauveria bassiana* 736
82-12-15-02 *Beauveria bassiana* 930
82-12-20-01 *Beauveria bassiana* 931
82-12-20-02 *Beauveria bassiana* 933
82-2-15-01 *Beauveria bassiana* 752
82-2-3-01 *Beauveria bassiana* 739
82-2-9-01 *Beauveria bassiana* 738
82-3-1-03 *Beauveria bassiana* 758
82-3-23-01 *Beauveria bassiana* 757
82-3-24-01 *Beauveria bassiana* 753
82-4-29-01 *Beauveria bassiana* 785
82-4-30-01C *Beauveria bassiana* 784
82-4-30-01D *Beauveria bassiana* 804
82-4-4-01 *Beauveria bassiana* 754
82-5-3-01 *Beauveria bassiana* 805
82-5-3-03A *Beauveria bassiana* 788
82-5-3-03B *Beauveria bassiana* 786
82-5-4-06 *Beauveria bassiana* 806
82-5-6-01 *Beauveria bassiana* 787
82-5-6-02 *Beauveria bassiana* 783
82-6-28-01 *Beauveria bassiana* 809
83-01-06A (CB 97) *Beauveria bassiana*
958
83-03-15-M *Beauveria bassiana* 947
83-03-15-O *Beauveria bassiana* 948
83-03-15-P *Beauveria bassiana* 949
83-03-15-Q *Beauveria bassiana* 950
83-03-15B *Beauveria bassiana* 951
83-03-15E *Beauveria bassiana* 946
83-03-15H *Beauveria bassiana* 952

83-03-16C *Beauveria bassiana* 941
83-03-16D *Beauveria bassiana* 942
83-03-16E *Beauveria bassiana* 943
83-03-16F *Beauveria bassiana* 944
83-03-16G *Beauveria bassiana* 945
83-03-16K *Beauveria bassiana* 953
83-03-17B *Beauveria bassiana* 982
83-06-06-1 *Beauveria bassiana* 957
83-1-25-01 *Beauveria bassiana* 934
83-3-3-01 *Beauveria bassiana* 937
83-3-3-02 *Beauveria bassiana* 938
83-5-27 *Beauveria bassiana* 956
84-02-30-2 *Beauveria bassiana* 1453
84-03-28-1A *Beauveria bassiana* 1457
84-03-28-1E *Beauveria bassiana* 1458
84-03-28-1F *Beauveria bassiana* 1454
84-03-28-1G *Beauveria bassiana* 1462
84-03-28-1L *Beauveria bassiana* 1463
84-03-28-D *Beauveria bassiana* 1455
84-03-29-1 *Beauveria bassiana* 1461
84-03-31-2 *Beauveria bassiana* 1469
84-03-31-6 *Beauveria bassiana* 1466
84-04-02-1A *Beauveria bassiana* 1474
84-04-02-1B *Beauveria bassiana* 1473
84-04-02-2 *Beauveria bassiana* 1472
84-04-02-3 *Beauveria bassiana* 1470
84-04-02-4 *Beauveria bassiana* 1471
84-04-02-5A *Beauveria bassiana* 1467
84-04-02-5B *Beauveria bassiana* 1468
84-04-03-1A *Beauveria bassiana* 1465
84-04-03-1B *Beauveria bassiana* 1460
84-04-03-1C *Beauveria bassiana* 1475
84-04-03-1E *Beauveria bassiana* 1459
84-04-03-6A *Beauveria bassiana* 1456
84-04-03-6B *Beauveria bassiana* 1464
84-04-25-1 *Beauveria bassiana* 1476
84-3-12 *Beauveria bassiana* 1971
84-3-12 *Beauveria bassiana* 1451
85-7-22 *Beauveria bassiana* 1956
85-7-23 *Beauveria bassiana* 1953
85-7-23-1 *Beauveria bassiana* 1954
85-7-23-2 *Beauveria bassiana* 1955
85-7-23-3 *Beauveria bassiana* 1963
85-7-24 *Beauveria bassiana* 2075
85-7-24-2 *Beauveria bassiana* 1959
85-7-24-3 *Beauveria bassiana* 1960
85-7-24-4 *Beauveria bassiana* 1961
86-3-26 *Beauveria bassiana* 2191
88-5-6 *Beauveria bassiana* 2625
88-5-6A *Beauveria bassiana* 2626
88-6-17 *Beauveria bassiana* 2636
88-6-22 *Beauveria bassiana* 2637
PI-196 *Beauveria bassiana* 2629

CNPS

14 *Beauveria bassiana* 1053
15 *Beauveria bassiana* 1054
31 *Beauveria bassiana* 1060
32 *Beauveria bassiana* 1061

Cole, Blaine J.

C2 *Beauveria bassiana* 7540
C29 *Beauveria bassiana* 7541
C33 *Beauveria bassiana* 7542

Cortez Madrigal, Hipolito

- B1 *Beauveria ?bassiana* 6890
- B2 *Beauveria ?bassiana* 6891

CP

- 1 *Beauveria bassiana* 730
- 10 *Beauveria bassiana* 736
- 101 *Beauveria bassiana* 956
- 102 *Beauveria bassiana* 957
- 104 *Beauveria bassiana* 958
- 124 *Beauveria bassiana* 1971
- 124 *Beauveria bassiana* 1451
- 125 *Beauveria bassiana* 1450
- 14 *Beauveria bassiana* 735
- 143 *Beauveria bassiana* 1453
- 144 *Beauveria bassiana* 1454
- 145 *Beauveria bassiana* 1455
- 146 *Beauveria bassiana* 1456
- 147 *Beauveria bassiana* 1457
- 148 *Beauveria bassiana* 1458
- 149 *Beauveria bassiana* 1459
- 150 *Beauveria bassiana* 1460
- 151 *Beauveria bassiana* 1461
- 152 *Beauveria bassiana* 1462
- 153 *Beauveria bassiana* 1463
- 154 *Beauveria bassiana* 1464
- 155 *Beauveria bassiana* 1465
- 156 *Beauveria bassiana* 1466
- 157 *Beauveria bassiana* 1467
- 158 *Beauveria bassiana* 1468
- 159 *Beauveria bassiana* 1469
- 160 *Beauveria bassiana* 1470
- 161 *Beauveria bassiana* 1471
- 162 *Beauveria bassiana* 1472
- 163 *Beauveria bassiana* 1473
- 164 *Beauveria bassiana* 1474
- 165 *Beauveria bassiana* 1475
- 166 *Beauveria bassiana* 1476
- 168 *Beauveria bassiana* 1966
- 178 *Beauveria bassiana* 1953
- 179 *Beauveria bassiana* 1954
- 180 *Beauveria bassiana* 1955
- 181 *Beauveria bassiana* 1956
- 183 *Beauveria bassiana* 2075
- 185 *Beauveria bassiana* 1959
- 186 *Beauveria bassiana* 1960
- 187 *Beauveria bassiana* 1961
- 188 *Beauveria bassiana* 1962
- 189 *Beauveria bassiana* 1963
- 198 *Beauveria bassiana* 2079
- 20 *Beauveria bassiana* 737
- 201 *Beauveria bassiana* 2191
- 221 *Beauveria bassiana* 2511
- 222 *Beauveria bassiana* 2520
- 223 *Beauveria bassiana* 2519
- 227 *Beauveria bassiana* 2515
- 228 *Beauveria bassiana* 2516
- 229 *Beauveria bassiana* 2509
- 23 *Beauveria bassiana* 738
- 230 *Beauveria bassiana* 2638
- 230 *Beauveria bassiana* 2559
- 237 *Beauveria bassiana* 2512
- 239 *Beauveria bassiana* 2624
- 240 *Beauveria bassiana* 2625
- 241 *Beauveria bassiana* 2626
- 244 *Beauveria bassiana* 2629

- 246 *Beauveria bassiana* 2630
- 247 *Beauveria bassiana* 2631
- 248 *Beauveria bassiana* 2632
- 249 *Beauveria bassiana* 2633
- 254 *Beauveria bassiana* 2636
- 255 *Beauveria bassiana* 2637
- 27 *Beauveria bassiana* 739
- 270 *Beauveria bassiana* 2938
- 274 *Beauveria bassiana* 2942
- 275 *Beauveria bassiana* 2943
- 276 *Beauveria bassiana* 2944
- 281 *Beauveria bassiana* 2946
- 29 *Beauveria bassiana* 758
- 290 *Beauveria bassiana* 2945
- 34 *Beauveria bassiana* 752
- 35 *Beauveria bassiana* 757
- 36 *Beauveria bassiana* 753
- 38 *Beauveria bassiana* 754
- 4 *Beauveria bassiana* 756
- 46 *Beauveria bassiana* 785
- 47 *Beauveria bassiana* 784
- 478(479?) *Beauveria bassiana* 3219
- 48 *Beauveria bassiana* 804
- 49 *Beauveria bassiana* 805
- 5 *Beauveria bassiana* 731
- 50 *Beauveria bassiana* 788
- 51 *Beauveria bassiana* 786
- 53 *Beauveria bassiana* 806
- 58 *Beauveria bassiana* 787
- 59 *Beauveria bassiana* 783
- 6 *Beauveria bassiana* 732
- 61 *Beauveria bassiana* 809
- 63 *Beauveria bassiana* 928
- 68 *Beauveria bassiana* 930
- 69 *Beauveria bassiana* 931
- 7 *Beauveria bassiana* 733
- 71 *Beauveria bassiana* 933
- 72 *Beauveria bassiana* 934
- 76 *Beauveria bassiana* 937
- 77 *Beauveria bassiana* 938
- 82 *Beauveria bassiana* 941
- 83 *Beauveria bassiana* 942
- 84 *Beauveria bassiana* 943
- 85 *Beauveria bassiana* 944
- 86 *Beauveria bassiana* 945
- 87 *Beauveria bassiana* 946
- 88 *Beauveria bassiana* 947
- 89 *Beauveria bassiana* 948
- 9 *Beauveria bassiana* 734
- 90 *Beauveria bassiana* 949
- 91 *Beauveria bassiana* 950
- 92 *Beauveria bassiana* 951
- 93 *Beauveria bassiana* 952
- 95 *Beauveria bassiana* 982
- 98 *Beauveria bassiana* 953

CSIRO

- FI49 *Beauveria bassiana* 325
- FI50 *Beauveria bassiana* 326
- FI51 *Beauveria bassiana* 356

Dalbello, Gustavo

- #6 *Beauveria bassiana* 5500
- #7 *Beauveria bassiana* 5501
- #8 *Beauveria bassiana* 5502

Daoust, Richard A.

- Bb-Z1 *Beauveria bassiana* 477

DAT

- 102 *Beauveria bassiana* 4658
- 105 *Beauveria* sp. 4254
- 112 *Beauveria bassiana* 4679
- 115 *Beauveria bassiana* 4685
- 140 *Beauveria bassiana* 4721
- 142 *Beauveria bassiana* 4149
- 143 *Beauveria bassiana* 4274
- 144 *Beauveria bassiana* 4150
- 15 *Beauveria bassiana* 4135
- 16 *Beauveria bassiana* 4642
- 17 *Beauveria bassiana* 4136
- 193 *Beauveria bassiana* 4728
- 193 *Beauveria bassiana* 4165
- 199 *Beauveria bassiana* 4285
- 219 *Beauveria bassiana* 4670
- 224 *Beauveria bassiana* 4222
- 232 *Beauveria bassiana* 4271
- 243 *Beauveria bassiana* 4356
- 251 *Beauveria bassiana* 4261
- 276 *Beauveria bassiana* 4300
- 288 *Beauveria bassiana* 4326
- 305 *Beauveria bassiana* 4583
- 307 *Beauveria bassiana* 4564
- 308 *Beauveria bassiana* 4598
- 309 *Beauveria bassiana* 4240
- 327 *Beauveria bassiana* 4305
- 328 *Beauveria bassiana* 4301
- 329 *Beauveria bassiana* 4644
- 330 *Beauveria bassiana* 4741
- 333 *Beauveria bassiana* 4302
- 334 *Beauveria bassiana* 4320
- 335 *Beauveria bassiana* 4353
- 336 *Beauveria bassiana* 4571
- 346 *Beauveria bassiana* 4744
- 347 *Beauveria bassiana* 4745
- 358 *Beauveria bassiana* 4675
- 367 *Beauveria amorpha* 4755
- 41 *Beauveria bassiana* 4607
- 416 *Microhilum oncoperae* 4767
- 417 *Microhilum oncoperae* 4768
- 42 *Beauveria bassiana* 4589
- 421 *Microhilum oncoperae* 4770
- 422 *Microhilum oncoperae* 4771
- 424 *Microhilum oncoperae* 4358
- 459 *Beauveria bassiana* 4622
- 460 *Beauveria bassiana* 4580
- 48 *Beauveria bassiana* 4672
- 49 *Beauveria bassiana* 4258
- 500 *Beauveria bassiana* 4289
- 509 *Beauveria bassiana* 4667
- 7 *Beauveria bassiana* 4130
- 83 *Beauveria bassiana* 4686
- 84 *Beauveria bassiana* 4616
- 85 *Beauveria bassiana* 4297
- 9 *Beauveria bassiana* 4273
- 90 *Beauveria bassiana* 4611
- 95 *Beauveria bassiana* 4612
- 99 *Beauveria bassiana* 4276

Alternate Collections

Deseö, Katlin V.

10 *Beauveria bassiana* 1104
103 *Beauveria bassiana* 1564
109 *Beauveria bassiana* 1565
17 *Beauveria bassiana* 1105
25 *Beauveria bassiana* 1106
26 *Beauveria bassiana* 1107
31 *Beauveria bassiana* 1110
38 *Beauveria bassiana* 1113
39 *Beauveria bassiana* 1114
40A *Beauveria bassiana* 1115
41 *Beauveria bassiana* 1117
45 *Beauveria bassiana* 1118
47 *Beauveria bassiana* 1119
8 *Beauveria bassiana* 1558
8 *Beauveria bassiana* 1103
81 *Beauveria bassiana* 1121
83 *Beauveria bassiana* 1122
88 *Beauveria bassiana* 1559
89 *Beauveria bassiana* 1560
90 *Beauveria bassiana* 1561
91 *Beauveria bassiana* 1562
92 *Beauveria bassiana* 1563

Devi, K. Uma

4U *Beauveria bassiana* 6643
5U *Beauveria bassiana* 6644
KB5 *Beauveria bassiana* 6646
LOCAL/PIV *Beauveria bassiana* 6648
LOCAL/UAS *Beauveria bassiana* 6647
PIV *Beauveria bassiana* 6650

Dubois, Thomas L.

HF 2 c 1 *Beauveria bassiana* 6390
ST 1 # 1 (1) *Beauveria bassiana* 6391
T7 (2) (2) *Beauveria bassiana* 6387
VD 12 rep b *Beauveria bassiana* 6393

Erkiliç, Lerzan

Hursit Dagı-1 *Beauveria bassiana* 5725
Pazarcik/Karabiyikli-1 *Beauveria bassiana* 5724

ESALQ

447 *Beauveria bassiana* 2404
478 *Beauveria bassiana* 2401
483 *Beauveria bassiana* 2402
484 *Beauveria bassiana* 2403

Evans BioControl

447 *Beauveria bassiana* 2722
479 *Beauveria bassiana* 2723

Evans, Harry C.

Ro 596 *Beauveria amorphia* 2251

Feng, Ming-Guang

DN8803 *Beauveria bassiana* 2861
DN8804 *Beauveria bassiana* 2864
DN8805 *Beauveria bassiana* 2879
DN8806 *Beauveria bassiana* 2882
SG8701 *Beauveria bassiana* 2880
SG8702 *Beauveria bassiana* 2860
SG8801 *Beauveria bassiana* 2881
SGBB8601 *Beauveria bassiana* 2883
SGBB8601 *Beauveria bassiana* 2336

Ferron, P.

6 *Beauveria brongniartii* 617

Forschler, Brian T.

RF-2 *Beauveria bassiana* 2270
RF-3 *Beauveria bassiana* 2271

Fry, Ken

ARC 4 *Beauveria bassiana* 6920
ARC 5 *Beauveria bassiana* 6921
ARC 6 *Beauveria bassiana* 6922
ARC 7 *Beauveria bassiana* 6923
ARC 8 *Beauveria bassiana* 6924

Fuxa, James R.

W-6291 *Beauveria bassiana* 6906
W-7191 *Beauveria bassiana* 6907
W-8021 *Beauveria bassiana* 6908

GCRI

64-82 *Beauveria brongniartii* 979

Geden, Christopher J.

B 90 *Beauveria bassiana* 5342
D 90 *Beauveria bassiana* 5343
H 90 *Beauveria bassiana* 5344
L 89 *Beauveria bassiana* 5340
L 90 *Beauveria bassiana* 5345
P 89 *Beauveria bassiana* 5339
P 89 *Beauveria bassiana* 3112
Pow 90 *Beauveria bassiana* 5346
W 89 *Beauveria bassiana* 5341
W 90 *Beauveria bassiana* 5347

Ghazavi, Mehran

1 *Beauveria bassiana* 6903
2 *Beauveria bassiana* 6904
3 *Beauveria bassiana* 6905

Goettel, Mark S.

MISI *Beauveria bassiana* 3462

Gopalakrishnan, C.

31 *Beauveria brongniartii* 2660

Gouli, Svetlana

GA-81 *Beauveria bassiana* 5169
GA-82 *Beauveria bassiana* 5170
GA-83 *Beauveria bassiana* 5171
GA-84 *Beauveria bassiana* 5172
GA-85 *Beauveria bassiana* 5173
GA-86 *Beauveria* sp. 5174
GA-91 *Beauveria ?bassiana* 5182
GA-96 *Beauveria* sp. 5186
GA-97 *Beauveria* sp. 5187

Gouli, Vladimir

SPT-R-134 *Beauveria bassiana* 6008
SPT-R-145 *Beauveria bassiana* 6009
SPT-R-148 *Beauveria bassiana* 6039
SPT-R-152 *Beauveria bassiana* 6040
SPT-R-153 *Beauveria bassiana* 6041
SPT-R-158 *Beauveria bassiana* 6042
SPT-R-159 *Beauveria bassiana* 6011
SPT-R-161 *Beauveria bassiana* 6043
SPT-R-162 *Beauveria bassiana* 6013
SPT-R-170 *Beauveria bassiana* 6014
SPT-R-171 *Beauveria bassiana* 6015
SPT-R-174 *Beauveria bassiana* 6016
SPT-R-184 *Beauveria bassiana* 6019
SPT-R-200 *Beauveria bassiana* 6022
SPT-R-201 *Beauveria brongniartii* 6023

Groden, Eleanor

Ant 1 / Bio 1 *Beauveria bassiana* 7058
Plate #1 *Beauveria bassiana* 7533
Plate #2 *Beauveria bassiana* 7534

Gupta, Sandeep

2934 *Beauveria bassiana* 4122

Gutierrez Samperio, Jorge

1 *Beauveria bassiana* 3285
2 *Beauveria bassiana* 3286
25 *Beauveria bassiana* 3309
26 *Beauveria bassiana* 3310
27 *Beauveria bassiana* 3311
28 *Beauveria bassiana* 3312
3 *Beauveria bassiana* 3287
4 *Beauveria bassiana* 3288
5 *Beauveria* sp. 3289

Hajek, Ann E.

1 *Beauveria bassiana* 6213
18 *Beauveria bassiana* 3405
220b *Beauveria bassiana* 3530
24 *Beauveria bassiana* 3404
2A *Beauveria bassiana* 6214
3A *Beauveria bassiana* 6215
58a *Beauveria bassiana* 3527
5B *Beauveria bassiana* 6216
61c *Beauveria bassiana* 3528
6B *Beauveria bassiana* 6217
73a *Beauveria bassiana* 3529
BFMS *Beauveria bassiana* 3667

Hanula, James

C-2 *Beauveria bassiana* 3716
C-3 *Beauveria bassiana* 3717

Hatting, Justin L.

1 *Beauveria bassiana* 5703
14 *Beauveria bassiana* 6612
17 *Beauveria bassiana* 6614
17 *Beauveria bassiana* 6613
2 *Beauveria bassiana* 5704
PPRI 6688 *Beauveria bassiana* 5705

Hicks, Barry J.

1 *Beauveria bassiana* 6177
2 *Beauveria bassiana* 6178
A *Beauveria bassiana* 6100
B *Beauveria bassiana* 6101

Hodge, Kathie T.

kth24 *Beauveria bassiana* 4688
PR32 *Beauveria* sp. 7079

Holdom, David G.

100287-2a *Beauveria bassiana* 2427

Hollingsworth, Robert G.

KNF2001-7 *Beauveria bassiana* 7030
KNF2002-1 *Beauveria bassiana* 7032

Hostetter, Donald L.

T090 *Beauveria bassiana* 5148
T103 *Beauveria bassiana* 5150

Hung-Kei, Li

A *Beauveria bassiana* 708
E *Beauveria bassiana* 709

IITA

184 *Beauveria bassiana* 5645
 185 *Beauveria bassiana* 5646
 279 *Beauveria bassiana* 5647
 295 *Beauveria bassiana* 5648
 313 *Beauveria bassiana* 5649
 478 *Beauveria bassiana* 5650
 479 *Beauveria bassiana* 5651
 480 *Beauveria bassiana* 5652
 581 *Beauveria bassiana* 5653
 583 *Beauveria bassiana* 5654
 584 *Beauveria bassiana* 5655
 82 *Beauveria ?bassiana* 5644

IMI

12942 *Beauveria bassiana* 2454
 327906 *Beauveria bassiana* 2693
 327908 *Beauveria bassiana* 2685
 327909 *Beauveria bassiana* 2686
 327910 *Beauveria bassiana* 2688
 328059 *Beauveria bassiana* 2694
 329064 *Beauveria bassiana* 2689
 329065 *Beauveria bassiana* 2690
 329066 *Beauveria bassiana* 2691
 329067 *Beauveria bassiana* 2692
 330194 *Beauveria bassiana* 2687
 331275 *Beauveria bassiana* 3622
 I91-612 *Beauveria bassiana* 3607
 Mycotech *Beauveria bassiana* 3620

INRA

Bb-142 *Beauveria bassiana* 1185
 Bb-169 *Beauveria bassiana* 1491
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IRRI

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0166D *Beauveria bassiana* 1819

- 0167A *Beauveria bassiana* 1820
 0167B *Beauveria bassiana* 1821
 0167C *Beauveria bassiana* 1811
 0168 *Beauveria bassiana* 1864
 0169 *Beauveria bassiana* 1865
 0170 *Beauveria bassiana* 1866
 0175 *Beauveria bassiana* 1988
 0176 *Beauveria bassiana* 1973
 0177 *Beauveria bassiana* 1974
 0178 *Beauveria bassiana* 1975
 0179 *Beauveria bassiana* 1976
 0180 *Beauveria bassiana* 1977
 0181 *Beauveria bassiana* 1978
 0182 *Beauveria bassiana* 1979
 0183 *Beauveria bassiana* 1980
 0185 *Beauveria bassiana* 1982
 0187 *Beauveria bassiana* 1984
 023 *Beauveria* sp. 1201
 024 *Beauveria* sp. 1202
 025 *Beauveria* sp. 1203
 026 *Beauveria* sp. 1204
 027 *Beauveria* sp. 1205
 028 *Beauveria* sp. 1206
 030 *Beauveria* sp. 1207
 034 *Beauveria* sp. 1208
 035 *Beauveria* sp. 1209
 037 *Beauveria* sp. 1210
 038 *Beauveria* sp. 1211
 046 *Beauveria* sp. 1213
 047 *Beauveria* sp. 1214
 049 *Beauveria* sp. 1215
 050 *Beauveria* sp. 1216
 051 *Beauveria* sp. 1218
 052 *Beauveria* sp. 1219
 057 *Beauveria* sp. 1220
 059 *Beauveria* sp. 1221
 060 *Beauveria* sp. 1222
 061 *Beauveria* sp. 1224
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 070A *Beauveria bassiana* 1314
 070B *Beauveria bassiana* 1315
 070C *Beauveria bassiana* 1316
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 074A *Beauveria bassiana* 1317
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 075 *Beauveria bassiana* 1395
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 077A *Beauveria bassiana* 1396
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 078 *Beauveria bassiana* 1320
 079B *Beauveria bassiana* 1321
 079C *Beauveria bassiana* 1322
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 079E *Beauveria bassiana* 1324
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 080 *Beauveria bassiana* 1326
 082 *Beauveria* sp. 1327
 086 *Beauveria bassiana* 1398
 087 *Beauveria bassiana* 1399
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 092A *Beauveria bassiana* 1404
 092B *Beauveria bassiana* 1405
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 8630 *Beauveria bassiana* 2254
 8642 *Beauveria bassiana* 2318
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 8644 *Beauveria bassiana* 2320
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 A7 *Beauveria bassiana* 1175
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- 7061 *Beauveria bassiana* 6978
 7062 *Beauveria bassiana* 6979
 7064 *Beauveria bassiana* 6980
 7065 *Beauveria bassiana* 6981
 7068 *Beauveria bassiana* 6982
 7082 *Beauveria bassiana* 6984
- Prior, Christopher**
 Kenya 1 *Beauveria bassiana* 2685
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 Kenya 3 *Beauveria bassiana* 2687
 Togo 1 *Beauveria bassiana* 2688
 Togo 2 *Beauveria bassiana* 2689
 Togo 3 *Beauveria bassiana* 2690
 Togo 4 *Beauveria bassiana* 2691
 Togo 5 *Beauveria bassiana* 2692
- Quintela, Ileani**
 VL1 *Beauveria* sp. 3510
 VL5 *Beauveria bassiana* 3513
 VL6 *Beauveria bassiana* 3514
 VL7 *Beauveria bassiana* 3515
- Rajak, R.C.**
 ENT/42 *Beauveria bassiana* 2597
- Rangel, Drauzio Eduardo Naretto**
 DENR 01 *Beauveria bassiana* 7377
 DENR 02 *Beauveria bassiana* 7378
 Inbioter1 *Beauveria bassiana* 6513
 Inbioter2 *Beauveria bassiana* 6514
- Rath, Andrew C.**
 F007 *Beauveria bassiana* 4130
 F009 *Beauveria bassiana* 4273
 F015 *Beauveria bassiana* 4135
 F016 *Beauveria bassiana* 4642
 F017 *Beauveria bassiana* 4136
 F041 *Beauveria bassiana* 4607
 F048 *Beauveria bassiana* 4672
 F049 *Beauveria bassiana* 4258
 F083 *Beauveria bassiana* 4686
 F084 *Beauveria bassiana* 4616
 F085 *Beauveria bassiana* 4297
 F090 *Beauveria bassiana* 4611
 F095 *Beauveria bassiana* 4612
 F099 *Beauveria bassiana* 4276
 F102 *Beauveria bassiana* 4658
 F105 *Beauveria* sp. 4254
 F112 *Beauveria bassiana* 4679
 F115 *Beauveria bassiana* 4685
 F140 *Beauveria bassiana* 4721
 F142 *Beauveria bassiana* 4149
 F143 *Beauveria bassiana* 4274
 F144 *Beauveria bassiana* 4150
 F193 *Beauveria bassiana* 4728
 F193 *Beauveria bassiana* 4165
 F199 *Beauveria bassiana* 4285
 F219 *Beauveria bassiana* 4670
 F224 *Beauveria bassiana* 4222
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 F243 *Beauveria bassiana* 4356
 F251 *Beauveria bassiana* 4261
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 F305 *Beauveria bassiana* 4583
 F307 *Beauveria bassiana* 4564
 F308 *Beauveria bassiana* 4598
- F309 *Beauveria bassiana* 4240
 F327 *Beauveria bassiana* 4305
 F328 *Beauveria bassiana* 4301
 F329 *Beauveria bassiana* 4644
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 F333 *Beauveria bassiana* 4302
 F334 *Beauveria bassiana* 4320
 F335 *Beauveria bassiana* 4353
 F336 *Beauveria bassiana* 4571
 F346 *Beauveria bassiana* 4744
 F347 *Beauveria bassiana* 4745
 F358 *Beauveria bassiana* 4675
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 F417 *Microhilum oncoperae* 4768
 F42 *Beauveria bassiana* 4589
 F421 *Microhilum oncoperae* 4770
 F422 *Microhilum oncoperae* 4771
 F424 *Microhilum oncoperae* 4358
 F459 *Beauveria bassiana* 4622
 F460 *Beauveria bassiana* 4580
 F500 *Beauveria bassiana* 4289
 F509 *Beauveria bassiana* 4667
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 0039 *Beauveria bassiana* 6228
 0231 *Beauveria bassiana* 6229
 0288 *Beauveria amorpha* 6227
 0300 *Beauveria bassiana* 6230
 0306 *Beauveria bassiana* 6231
 0385 *Beauveria brongniartii* 6235
 0418 *Beauveria bassiana* 6232
 0471 *Beauveria bassiana* 6233
 0498 *Beauveria bassiana* 6234
- Reyes, Enrique Reyes Dominguez**
 BbCO1 *Beauveria bassiana* 3818
 BbCO2 *Beauveria bassiana* 3819
- Riethmacher, Guenter W.**
 B10C *Beauveria bassiana* 2725
 B13A *Beauveria bassiana* 2748
 B37a *Beauveria bassiana* 3181
 BB *Beauveria bassiana* 2739
 Bet1 *Beauveria bassiana* 3197
 Bet2 *Beauveria bassiana* 3198
 Bet3 *Beauveria bassiana* 3199
 BP *Beauveria bassiana* 2737
 L1 *Beauveria bassiana* 2727
 L2 *Beauveria bassiana* 2728
 L3 *Beauveria bassiana* 2729
- Roberts, Donald W.**
 101481-4-1 *Beauveria brongniartii* 678
 101481-5 *Beauveria amorpha* 656
 101981-1 *Beauveria bassiana* 652
 102081-1 *Beauveria bassiana* 679
 102081-2 *Beauveria bassiana* 654
 102181-1 *Beauveria bassiana* 714
 1110 *Beauveria bassiana* 285
 2A2-B(b) *Beauveria bassiana* 333
 2A3-B(a) *Beauveria bassiana* 334
 2B2-A *Beauveria bassiana* 335
 3T *Beauveria bassiana* 291
 Bbass-2 *Beauveria bassiana* 302
 Bbass-3 *Beauveria bassiana* 303
 Bbass-4 *Beauveria bassiana* 304
 Bbass-5 *Beauveria bassiana* 305
- BSS-1 *Beauveria bassiana* 286
 BSS-2 *Beauveria bassiana* 287
 BSS-3 *Beauveria bassiana* 288
 BSS-4 *Beauveria bassiana* 289
 BSS-5 *Beauveria bassiana* 290
 CLB-2 *Beauveria bassiana* 296
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 MC-A 181003A *Beauveria bassiana* 7379
 MC-C 181003C *Beauveria bassiana* 7380
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 SG-8 *Beauveria bassiana* 306
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- Rodriguez Sierra, Dora Alba**
 103 Bb *Beauveria bassiana* 2297
 106 Bb *Beauveria bassiana* 2248
 201 Bb *Beauveria bassiana* 2250
 203 Bb *Beauveria bassiana* 2249
- Rombach, Michiel C.**
 041186-1 *Beauveria bassiana* 2360
 081186-1 *Beauveria bassiana* 2349
 171085-1 *Beauveria bassiana* 2040
 281085-1 *Beauveria bassiana* 2041
 A *Beauveria brongniartii* 1431
- Sánchez Peña, Sergio René**
 3-2 *Beauveria bassiana* 2857
 Trachym 1 *Beauveria bassiana* 2484
 Trachym 2 *Beauveria bassiana* 2485
 Trachym 3 *Beauveria bassiana* 2486
- Sandoval, Sonia**
 95 *Beauveria bassiana* 2557
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 106 *Beauveria bassiana* 5275
 107 *Beauveria bassiana* 5276
 108 *Beauveria bassiana* 5277
 110 *Beauveria bassiana* 5278
 111 *Beauveria bassiana* 5279
 112 *Beauveria bassiana* 5280
 122 *Beauveria bassiana* 5281
 123 *Beauveria bassiana* 5282
 133 *Beauveria bassiana* 5283
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 134 *Beauveria bassiana* 5284
 144 *Beauveria bassiana* 5285
 155 *Beauveria bassiana* 5286
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 161 *Beauveria bassiana* 5288
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 166 *Beauveria bassiana* 5293
 167 *Beauveria bassiana* 5294
 168 *Beauveria bassiana* 5295
 169 *Beauveria bassiana* 5296
 22 *Beauveria bassiana* 5282
 22 *Beauveria bassiana* 5281
 33 *Beauveria bassiana* 5273
 33 *Beauveria bassiana* 5274
 41 *Beauveria bassiana* 5274

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87-1 *Beauveria bassiana* 2417

Searle, Tanya

CW1 *Beauveria bassiana* 2983
CW2 *Beauveria bassiana* 2984
CW3 *Beauveria bassiana* 2985
CW4 *Beauveria bassiana* 2986
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LD3 *Beauveria bassiana* 2989
LD4 *Beauveria bassiana* 2990
LD5 *Beauveria bassiana* 2991

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F-1101 *Beauveria brongniartii* 6412
F-1208 *Beauveria bassiana* 7518
F-1209 *Beauveria bassiana* 7519
F-1210 *Beauveria bassiana* 7520
F-1211 *Beauveria bassiana* 7521
F-185 *Beauveria bassiana* 1677
F-237 *Beauveria bassiana* 1678
F-263 *Beauveria bassiana* 1679
F-313 *Beauveria amorphia* 1680
F-333 *Beauveria* sp. 1681
F-357(11) *Beauveria* sp. 1682
F-359(30) *Beauveria bassiana* 1683
F-450 *Beauveria* sp. 1685
F-77 *Beauveria amorphia* 1676

Simonsen, Ørjan

p10(II)-1h *Beauveria bassiana* 6809
p2-1c *Beauveria bassiana* 6801
p3-1f *Beauveria bassiana* 6802
p5-7d *Beauveria bassiana* 6803
p6-3h *Beauveria bassiana* 6804
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p8-3a *Beauveria bassiana* 6807
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Soares, George G.

10 *Beauveria bassiana* 814
12 *Beauveria bassiana* 815
20 *Beauveria bassiana* 816
3 *Beauveria bassiana* 812
34 *Beauveria bassiana* 886
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Soper, Richard S.

81226-3 *Beauveria bassiana* 566
8132 *Beauveria bassiana* 560
B *Beauveria bassiana* 1553
Bb-1 *Beauveria bassiana* 356
Bb-2 *Beauveria bassiana* 357
C *Beauveria bassiana* 1554
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Sosa-Gómez, Daniel R.

CNPSo-Bb46 *Beauveria bassiana* 3927
CNPSo-Bb48 *Beauveria* sp. 3929
CNPSo-Bb56 *Beauveria* sp. 3936
CNPSo-Bb56 *Beauveria bassiana* 3934

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F-207 *Beauveria* sp. 7595
F-210 *Beauveria bassiana* 7596
F-234 *Beauveria bassiana* 7585
F-237 *Beauveria bassiana* 7583
F-289 *Beauveria* sp. 7579
F-298 *Beauveria bassiana* 7590
F-321 *Beauveria* sp. 7594
F-64 *Beauveria bassiana* 7592
F-70 *Beauveria bassiana* 7593
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VLI-64/B *Beauveria* sp. 7587
VLI-911 *Beauveria* sp. 7597
VLI/B-182 *Beauveria* sp. 7591
VLI/B-22 *Beauveria* sp. 7580
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Steenberg, Tove

194 *Beauveria bassiana* 4012
195 *Beauveria bassiana* 4013
195-S *Beauveria bassiana* 4014
196 *Beauveria bassiana* 4015
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SSL 631 *Beauveria bassiana* 5863
SSL 633 *Beauveria bassiana* 5864
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SSL 641 *Beauveria bassiana* 5867

Stimac, Jerry L.

UF 18A10 *Beauveria bassiana* 5970
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UF 19D2 *Beauveria bassiana* 5972
UF 434 *Beauveria bassiana* 5956
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UF 555 *Beauveria bassiana* 5960
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UF 901 *Beauveria bassiana* 5969
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UF MVT *Beauveria ?bassiana* 5990
UF SP32 *Beauveria bassiana* 5974
UF SP74 *Beauveria ?bassiana* 5975
UF SP86 *Beauveria ?bassiana* 5976

Sung, Jae-Mo

C-322 *Beauveria* sp. 4850
C-332 *Beauveria* sp. 4853
EFCC 1026 *Beauveria bassiana* 7237
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289	Beauveria bassiana	985	Beauveria brongniartii
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1681	Beauveria sp.	1830	Beauveria brongniartii	2236	Beauveria bassiana
1682	Beauveria sp.	1831	Beauveria bassiana	2248	Beauveria bassiana
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1775	Beauveria bassiana	1872	Beauveria brongniartii	2417	Beauveria bassiana
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2632	Beauveria bassiana	3040	Beauveria bassiana	3460	Beauveria bassiana
2633	Beauveria bassiana	3041	Beauveria bassiana	3462	Beauveria bassiana
2636	Beauveria bassiana	3042	Beauveria bassiana	3477	Beauveria bassiana
2637	Beauveria bassiana	3054	Beauveria brongniartii	3510	Beauveria sp.
2638	Beauveria bassiana	3055	Beauveria bassiana	3513	Beauveria bassiana
2639	Beauveria bassiana	3063	Beauveria bassiana	3514	Beauveria bassiana
2641	Beauveria amorpha	3065	Beauveria bassiana	3515	Beauveria bassiana
2642	Beauveria bassiana	3066	Beauveria bassiana	3516	Beauveria bassiana
2660	Beauveria brongniartii	3070	Beauveria bassiana	3527	Beauveria bassiana
2676	Beauveria bassiana	3086	Beauveria bassiana	3528	Beauveria bassiana
2685	Beauveria bassiana	3097	Beauveria bassiana	3529	Beauveria bassiana
2686	Beauveria bassiana	3098	Beauveria bassiana	3530	Beauveria bassiana
2687	Beauveria bassiana	3111	Beauveria bassiana	3534	Beauveria bassiana
2688	Beauveria bassiana	3112	Beauveria bassiana	3543	Beauveria bassiana
2689	Beauveria bassiana	3113	Beauveria bassiana	3607	Beauveria bassiana
2690	Beauveria bassiana	3120	Beauveria bassiana	3620	Beauveria bassiana
2691	Beauveria bassiana	3121	Beauveria bassiana	3622	Beauveria bassiana
2692	Beauveria bassiana	3153	Beauveria bassiana	3667	Beauveria bassiana
2693	Beauveria bassiana	3154	Beauveria bassiana	3681	Beauveria bassiana
2694	Beauveria bassiana	3155	Beauveria bassiana	3716	Beauveria bassiana
2695	Beauveria bassiana	3156	Beauveria bassiana	3717	Beauveria bassiana
2722	Beauveria bassiana	3157	Beauveria bassiana	3734	Beauveria bassiana
2723	Beauveria bassiana	3158	Beauveria bassiana	3769	Beauveria bassiana
2725	Beauveria bassiana	3166	Beauveria bassiana	3818	Beauveria bassiana
2727	Beauveria bassiana	3167	Beauveria bassiana	3819	Beauveria bassiana
2728	Beauveria bassiana	3168	Beauveria bassiana	3825	Beauveria bassiana
2729	Beauveria bassiana	3169	Beauveria bassiana	3858	Beauveria bassiana
2737	Beauveria bassiana	3181	Beauveria bassiana	3859	Beauveria sp.
2739	Beauveria bassiana	3197	Beauveria bassiana	3866	Beauveria bassiana
2748	Beauveria bassiana	3198	Beauveria bassiana	3867	Beauveria bassiana
2785	Beauveria bassiana	3199	Beauveria bassiana	3890	Beauveria bassiana
2831	Beauveria bassiana	3215	Beauveria bassiana	3891	Beauveria bassiana
2857	Beauveria bassiana	3216	Beauveria bassiana	3892	Beauveria bassiana
2860	Beauveria bassiana	3219	Beauveria bassiana	3893	Beauveria bassiana
2861	Beauveria bassiana	3220	Beauveria bassiana	3897	Beauveria bassiana
2864	Beauveria bassiana	3285	Beauveria bassiana	3898	Beauveria bassiana
2869	Beauveria bassiana	3286	Beauveria bassiana	3905	Beauveria bassiana
2879	Beauveria bassiana	3287	Beauveria bassiana	3906	Beauveria bassiana
2880	Beauveria bassiana	3288	Beauveria bassiana	3907	Beauveria bassiana
2881	Beauveria bassiana	3289	Beauveria sp.	3908	Beauveria bassiana
2882	Beauveria bassiana	3309	Beauveria bassiana	3927	Beauveria bassiana
2883	Beauveria bassiana	3310	Beauveria bassiana	3929	Beauveria sp.
2922	Beauveria vermiconia	3311	Beauveria bassiana	3934	Beauveria bassiana
2938	Beauveria bassiana	3312	Beauveria bassiana	3936	Beauveria sp.
2942	Beauveria bassiana	3385	Beauveria bassiana	3965	Beauveria bassiana
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2944	Beauveria bassiana	3403	Beauveria bassiana	3967	Beauveria bassiana
2945	Beauveria bassiana	3404	Beauveria bassiana	3968	Beauveria bassiana
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2953	Beauveria bassiana	3437	Beauveria bassiana	3970	Beauveria bassiana
2957	Beauveria bassiana	3438	Beauveria bassiana	3971	Beauveria bassiana
2961	Beauveria bassiana	3439	Beauveria bassiana	3972	Beauveria bassiana
2962	Beauveria bassiana	3440	Beauveria bassiana	3973	Beauveria bassiana
2972	Beauveria bassiana	3441	Beauveria bassiana	3974	Beauveria bassiana
2976	Beauveria bassiana	3442	Beauveria bassiana	3975	Beauveria bassiana
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2986	Beauveria bassiana	3446	Beauveria bassiana	3995	Beauveria bassiana

3996	Beauveria bassiana	4258	Beauveria bassiana	4534	Beauveria bassiana
3999	Beauveria bassiana	4261	Beauveria bassiana	4535	Beauveria bassiana
4001	Beauveria bassiana	4271	Beauveria bassiana	4536	Beauveria bassiana
4012	Beauveria bassiana	4273	Beauveria bassiana	4537	Beauveria bassiana
4013	Beauveria bassiana	4274	Beauveria bassiana	4538	Beauveria bassiana
4014	Beauveria bassiana	4276	Beauveria bassiana	4539	Beauveria bassiana
4015	Beauveria bassiana	4285	Beauveria bassiana	4540	Beauveria bassiana
4016	Beauveria bassiana	4289	Beauveria bassiana	4541	Beauveria bassiana
4017	Beauveria bassiana	4297	Beauveria bassiana	4542	Beauveria bassiana
4018	Beauveria bassiana	4300	Beauveria bassiana	4543	Beauveria bassiana
4019	Beauveria bassiana	4301	Beauveria bassiana	4564	Beauveria bassiana
4021	Beauveria bassiana	4302	Beauveria bassiana	4571	Beauveria bassiana
4023	Beauveria bassiana	4305	Beauveria bassiana	4580	Beauveria bassiana
4024	Beauveria brongniartii	4320	Beauveria bassiana	4583	Beauveria bassiana
4026	Beauveria bassiana	4326	Beauveria bassiana	4589	Beauveria bassiana
4027	Beauveria bassiana	4353	Beauveria bassiana	4598	Beauveria bassiana
4028	Beauveria bassiana	4356	Beauveria bassiana	4607	Beauveria bassiana
4030	Beauveria bassiana	4358	Microhilum oncoperae	4611	Beauveria bassiana
4031	Beauveria bassiana	4362	Beauveria sp.	4612	Beauveria bassiana
4032	Beauveria bassiana	4363	Beauveria sp.	4616	Beauveria bassiana
4034	Beauveria bassiana	4364	Beauveria sp.	4622	Beauveria bassiana
4035	Beauveria bassiana	4365	Beauveria sp.	4642	Beauveria bassiana
4038	Beauveria bassiana	4377	Beauveria bassiana	4644	Beauveria bassiana
4041	Beauveria bassiana	4378	Beauveria bassiana	4658	Beauveria bassiana
4042	Beauveria bassiana	4379	Beauveria bassiana	4667	Beauveria bassiana
4046	Beauveria bassiana	4380	Beauveria brongniartii	4670	Beauveria bassiana
4049	Beauveria bassiana	4381	Beauveria brongniartii	4672	Beauveria bassiana
4051	Beauveria bassiana	4382	Beauveria bassiana	4675	Beauveria bassiana
4052	Beauveria bassiana	4384	Beauveria brongniartii	4679	Beauveria bassiana
4053	Beauveria bassiana	4385	Beauveria brongniartii	4685	Beauveria bassiana
4054	Beauveria bassiana	4386	Beauveria brongniartii	4686	Beauveria bassiana
4055	Beauveria bassiana	4388	Beauveria brongniartii	4688	Beauveria bassiana
4056	Beauveria bassiana	4389	Beauveria brongniartii	4691	Beauveria bassiana
4057	Beauveria bassiana	4390	Beauveria sp.	4692	Beauveria bassiana
4091	Beauveria bassiana	4391	Beauveria sp.	4693	Beauveria bassiana
4092	Beauveria bassiana	4392	Beauveria sp.	4694	Beauveria bassiana
4093	Beauveria bassiana	4393	Beauveria sp.	4695	Beauveria bassiana
4099	Beauveria bassiana	4394	Beauveria sp.	4696	Beauveria bassiana
4100	Beauveria bassiana	4395	Beauveria sp.	4697	Beauveria bassiana
4101	Beauveria bassiana	4396	Beauveria sp.	4721	Beauveria bassiana
4105	Beauveria bassiana	4397	Beauveria sp.	4728	Beauveria bassiana
4106	Beauveria bassiana	4458	Beauveria brongniartii	4741	Beauveria bassiana
4107	Beauveria bassiana	4462	Beauveria bassiana	4744	Beauveria bassiana
4108	Beauveria bassiana	4463	Beauveria bassiana	4745	Beauveria bassiana
4109	Beauveria bassiana	4464	Beauveria bassiana	4755	Beauveria amorpha
4110	Beauveria bassiana	4465	Beauveria brongniartii	4767	Microhilum oncoperae
4111	Beauveria bassiana	4466	Beauveria brongniartii	4768	Microhilum oncoperae
4112	Beauveria bassiana	4467	Beauveria brongniartii	4770	Microhilum oncoperae
4113	Beauveria bassiana	4468	Beauveria brongniartii	4771	Microhilum oncoperae
4114	Beauveria bassiana	4469	Beauveria brongniartii	4798	Beauveria bassiana
4115	Beauveria bassiana	4470	Beauveria brongniartii	4799	Beauveria bassiana
4116	Beauveria bassiana	4471	Beauveria brongniartii	4850	Beauveria sp.
4117	Beauveria bassiana	4472	Beauveria brongniartii	4853	Beauveria sp.
4118	Beauveria bassiana	4473	Beauveria brongniartii	4866	Beauveria bassiana
4119	Beauveria bassiana	4474	Beauveria brongniartii	4909	Beauveria sp.
4120	Beauveria bassiana	4475	Beauveria brongniartii	4910	Beauveria sp.
4121	Beauveria bassiana	4476	Beauveria brongniartii	4911	Beauveria sp.
4122	Beauveria bassiana	4477	Beauveria brongniartii	4912	Beauveria sp.
4130	Beauveria bassiana	4478	Beauveria brongniartii	4913	Beauveria sp.
4135	Beauveria bassiana	4523	Beauveria bassiana	4914	Beauveria sp.
4136	Beauveria bassiana	4524	Beauveria bassiana	4915	Beauveria sp.
4149	Beauveria bassiana	4525	Beauveria bassiana	4916	Beauveria sp.
4150	Beauveria bassiana	4526	Beauveria bassiana	4917	Beauveria sp.
4165	Beauveria bassiana	4527	Beauveria bassiana	4918	Beauveria sp.
4196	Beauveria sp.	4528	Beauveria bassiana	4919	Beauveria sp.
4197	Beauveria sp.	4529	Beauveria bassiana	4920	Beauveria sp.
4200	Beauveria bassiana	4530	Beauveria bassiana	4933	Beauveria sp.
4222	Beauveria bassiana	4531	Beauveria bassiana	4973	Beauveria bassiana
4240	Beauveria bassiana	4532	Beauveria bassiana	4974	Beauveria bassiana
4254	Beauveria sp.	4533	Beauveria bassiana	4975	Beauveria bassiana

5769	Beauveria bassiana	6013	Beauveria bassiana	6189	Beauveria bassiana
5770	Beauveria bassiana	6014	Beauveria bassiana	6191	Beauveria bassiana
5796	Beauveria bassiana	6015	Beauveria bassiana	6194	Beauveria bassiana
5807	Beauveria bassiana	6016	Beauveria bassiana	6195	Beauveria bassiana
5808	Beauveria bassiana	6019	Beauveria bassiana	6196	Beauveria bassiana
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5815	Beauveria ?bassiana	6023	Beauveria brongniartii	6201	Beauveria bassiana
5816	Beauveria ?bassiana	6027	Beauveria bassiana	6205	Beauveria bassiana
5817	Beauveria ?bassiana	6039	Beauveria bassiana	6208	Beauveria bassiana
5818	Beauveria ?bassiana	6040	Beauveria bassiana	6209	Beauveria bassiana
5831	Beauveria sp.	6041	Beauveria bassiana	6213	Beauveria bassiana
5832	Beauveria sp.	6042	Beauveria bassiana	6214	Beauveria bassiana
5833	Beauveria sp.	6043	Beauveria bassiana	6215	Beauveria bassiana
5836	Beauveria bassiana	6055	Beauveria bassiana	6216	Beauveria bassiana
5838	Beauveria bassiana	6056	Beauveria bassiana	6217	Beauveria bassiana
5839	Beauveria bassiana	6057	Beauveria bassiana	6227	Beauveria amorpha
5840	Beauveria bassiana	6058	Beauveria bassiana	6228	Beauveria bassiana
5843	Beauveria bassiana	6059	Beauveria bassiana	6229	Beauveria bassiana
5853	Beauveria bassiana	6060	Beauveria bassiana	6230	Beauveria bassiana
5857	Beauveria bassiana	6061	Beauveria bassiana	6231	Beauveria bassiana
5861	Beauveria bassiana	6062	Beauveria bassiana	6232	Beauveria bassiana
5862	Beauveria bassiana	6063	Beauveria bassiana	6233	Beauveria bassiana
5863	Beauveria bassiana	6064	Beauveria bassiana	6234	Beauveria brongniartii
5864	Beauveria bassiana	6065	Beauveria bassiana	6235	Beauveria brongniartii
5865	Beauveria bassiana	6066	Beauveria bassiana	6376	Beauveria amorpha
5866	Beauveria bassiana	6067	Beauveria bassiana	6387	Beauveria bassiana
5867	Beauveria bassiana	6069	Beauveria bassiana	6390	Beauveria bassiana
5886	Beauveria bassiana	6070	Beauveria bassiana	6391	Beauveria bassiana
5887	Beauveria bassiana	6072	Beauveria bassiana	6393	Beauveria bassiana
5888	Beauveria bassiana	6073	Beauveria bassiana	6404	Beauveria bassiana
5956	Beauveria bassiana	6074	Beauveria bassiana	6412	Beauveria brongniartii
5957	Beauveria bassiana	6075	Beauveria bassiana	6426	Beauveria bassiana
5958	Beauveria bassiana	6076	Beauveria bassiana	6437	Beauveria brongniartii
5959	Beauveria ?bassiana	6077	Beauveria bassiana	6438	Beauveria brongniartii
5960	Beauveria bassiana	6078	Beauveria bassiana	6439	Beauveria brongniartii
5961	Beauveria bassiana	6079	Beauveria bassiana	6440	Beauveria brongniartii
5962	Beauveria bassiana	6083	Beauveria bassiana	6444	Beauveria bassiana
5963	Beauveria bassiana	6086	Beauveria bassiana	6459	Beauveria bassiana
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5965	Beauveria bassiana	6088	Beauveria bassiana	6478	Beauveria bassiana
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5968	Beauveria bassiana	6091	Beauveria bassiana	6513	Beauveria bassiana
5969	Beauveria bassiana	6092	Beauveria bassiana	6514	Beauveria bassiana
5970	Beauveria bassiana	6093	Beauveria bassiana	6526	Beauveria bassiana
5971	Beauveria bassiana	6095	Beauveria bassiana	6527	Beauveria bassiana
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5975	Beauveria ?bassiana	6101	Beauveria bassiana	6531	Beauveria bassiana
5976	Beauveria ?bassiana	6109	Beauveria bassiana	6532	Beauveria bassiana
5977	Beauveria bassiana	6111	Beauveria bassiana	6533	Beauveria sp.
5978	Beauveria bassiana	6112	Beauveria bassiana	6534	Beauveria sp.
5979	Beauveria bassiana	6113	Beauveria bassiana	6535	Beauveria sp.
5980	Beauveria bassiana	6115	Beauveria bassiana	6536	Beauveria sp.
5981	Beauveria bassiana	6147	Beauveria bassiana	6537	Beauveria sp.
5982	Beauveria bassiana	6148	Beauveria bassiana	6552	Beauveria bassiana
5983	Beauveria bassiana	6149	Beauveria bassiana	6553	Beauveria bassiana
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5985	Beauveria bassiana	6151	Beauveria bassiana	6556	Beauveria bassiana
5986	Beauveria bassiana	6152	Beauveria bassiana	6557	Beauveria bassiana
5987	Beauveria bassiana	6153	Beauveria bassiana	6559	Beauveria bassiana
5988	Beauveria bassiana	6177	Beauveria bassiana	6560	Beauveria bassiana
5989	Beauveria bassiana	6178	Beauveria bassiana	6563	Beauveria bassiana
5990	Beauveria ?bassiana	6181	Beauveria bassiana	6564	Beauveria bassiana
5991	Beauveria bassiana	6182	Beauveria bassiana	6565	Beauveria bassiana
5997	Beauveria bassiana	6184	Beauveria bassiana	6566	Beauveria bassiana
6008	Beauveria bassiana	6185	Beauveria bassiana	6567	Beauveria bassiana
6009	Beauveria bassiana	6186	Beauveria bassiana	6568	Beauveria bassiana
6011	Beauveria bassiana	6187	Beauveria bassiana	6577	Beauveria amorpha

7363 Beauveria bassiana
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7404 Beauveria bassiana
7463 Beauveria sp.
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7471 Beauveria bassiana
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7525 Beauveria bassiana
7526 Beauveria bassiana
7528 Beauveria brongniartii
7533 Beauveria bassiana
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7552 Beauveria bassiana
7553 Beauveria bassiana
7554 Beauveria bassiana
7555 Beauveria brongniartii
7556 Beauveria brongniartii
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