Initiation of UK Barcode of Life and filling priority gaps

DEFRA Centre of Excellence for DNA Methods

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DEFRA Centre of Excellence for DNA Methods

Benjamin Price, Raju Misra, Gavin Broad and Katie Clark

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Natural England Project manager

Natural England Project Manager: Katie Clark

Contractor

The Natural History Museum, Cromwell Road, London, SW7 5BD

https://nhm.ac.uk/

Author

Benjamin Price, Raju Misra, Gavin Broad and Katie Clark

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Further information

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Acknowledgements

This project was led and funded by the Defra DNA Centre of Excellence, which aims to transform Defra Group science to support policy and delivery by sharing and demonstrating the wider potential of existing methods; enabling the rapid development and trialling of new DNA based method applications; providing a focal point for leadership in Defra, UK and across other Government Departments; and building shared capability including skills and facilities.

Executive summary

Natural England is part of the Defra DNA Centre of Excellence, which champions the uptake of DNA based tools for monitoring the environment to inform its management and regulation. Natural England commissioned this report on behalf of the DNA Centre of Excellence. Natural England commission a range of reports from external contractors to provide evidence and advice to assist us in delivering our duties. The views in this report are those of the authors and do not necessarily represent those of Natural England or the DNA Centre of Excellence.

DNA – based methods offer a significant opportunity to monitor individual species and species assemblages where appropriate, for example those that may be difficult to monitor using traditional methods. However, with the exception of some individual species such as the great crested newt, there is still much development of these techniques required before they can be used in routine monitoring. Natural England has been developing the use of DNA-based methods for monitoring for several years and is a founding member of the Defra DNA Centre of Excellence, which was set up to encourage collaboration across the Defra group to progress the use of DNA based methods by tackling cross-cutting barriers

Gaps in DNA reference libraries of UK species were identified by the Defra DNA Centre of Excellence Working Group as one of the main barriers preventing the further uptake of DNA based methods for environmental species monitoring. This report details the formation of the UK Barcode of Life (UKBOL) steering group and progress in barcoding priority species.

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DEFRA Centre of Excellence for DNA Methods: Initiation of UKBOL and filling priority gaps

Benjamin Price[1], Raju Misra[1], Gavin Broad[1] and Katie Clark[2]

[1] Natural History Museum, Cromwell Road, London

[2] Natural England, Rivers House, East Quay, Bridgwater

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Foreword

- There are approximately 76,000 eukaryote species recognised in the UK, the majority of which are poorly known.
- DNA barcoding uses a short, standardised segment of an organism's genome for identification by comparison to a reference library.
- The UK lags behind several countries in Europe and North America in that we lack trusted, openly accessible reference sequences for key UK taxa.
- A previous gap analysis of public DNA data in major DNA reference libraries highlighted that almost half the known UK species lack DNA barcode data and recommended the formation of a steering group to initiate a UK Barcode of Life (UKBOL) project, including the sequencing of priority species (Price et al. 2020).
- This interim report provides an overview of progress towards these two main goals.
- A steering group was formed, representing government agencies from the devolved nations, national repositories, sequencing centres and citizen scientists.
- Building on previous work the list of priority species was made available as a live and updatable online checklist, embedded in a project website (https://www.ukbol.org/).
- COVID-19 prevented the collection of fresh samples of priority species, thus samples already in hand were used.
- To date 1066 specimens of 742 species have been sequenced with corresponding specimen and sequence data made publicly available on BOLD.

1. Introduction

There are approximately 76,000 eukaryote species recognised in the UK, however the majority are poorly known. For those few species with sufficient data, their abundance and distribution have, on average, declined since 1970 and of the 8,431 species that have been formally assessed, 15% are threatened with extinction and 133 species are already extinct in the UK (Hayhow and others, 2019).

In parallel there is a decline in our taxonomic capacity. For various groups of organisms, including some of our most species-rich groups, we lack the national capacity to identify species. This national shortfall prompted the House of Lords Science and Technology Committee to launch two inquiries into the state of systematics research and taxonomy (House of Lords, 2001-02 and 2007-08). Among their recommendations was to increase our capacity for high throughput molecular identifications, including “DNA barcoding”, specifically:

“The Committee is concerned about lack of co-ordination of barcoding effort nationally and about the potential for duplication of effort. The efficiency of barcoding as a diagnostic technique increases in proportion to the number of different species barcodes available for comparison.” (House of Lords, 2007-08)

DNA barcoding uses a short, standardized segment of an organism’s genome for identification, much like the barcodes found on commercial products (Hebert and others, 2003). These DNA-based identifications require comparison to reference libraries of DNA barcodes sequenced from identified individuals, typically deposited in natural history collections. See Price and others (2020) for additional background information.

The UK lags behind several countries in Europe and North America in that we lack trusted, reliable and openly accessible reference sequences for key UK taxa. A previous gap analysis of public DNA data in major DNA reference libraries highlighted that almost half the known UK species lack DNA barcode data, and that quality assurance is variable for those with data (Price and others, 2020). The previous report recommended the formation of a steering group to initiate a UK Barcode of Life (UKBOL) project to coordinate UK barcoding and begin sequencing priority species (Price and others, 2020).

2. Aims and Objectives

This project aims to deliver on several of the actions previously identified in Price and others (2020), specifically to: (1) Initiate a Steering Group for the UK barcode of life project, with appropriate documentation; (2) List, collect and sequence priority species. Here we report on the progress towards these overarching objectives.

Objective 1: Steering Group

Summary

The objective was to form a steering group with appropriate documentation and hold an initial meeting to agree further work. To maximize representation, organisations were initially invited on to the steering group to represent each devolved government, including government agencies, national repositories, species-based NGO's, recording schemes and sequencing facilities. Steering group membership is reviewed at each quarterly meeting.

Outputs

1. First steering group virtual meeting held
2. Terms of Reference drafted
3. 5-year plan drafted
4. Task and Finish groups formed

Progress

Initial steering group membership was decided in consultation with the Defra DNA CoE (Table 1) with the first meeting held 25/03/2021. A representative for Northern Ireland has not yet been identified. The Terms of Reference (Appendix 1) were agreed by the steering group. The 5-year plan has not yet been drafted. The steering group agreed that there was a need for coordination and expansion of DNA barcoding in the UK, and that the UKBOL project could achieve this. Large-scale funding was identified as the primary limitation to comprehensive species coverage, as previously identified (Price and others, 2020).

Table 1: Current UKBOL steering group membership.

Nation	Organisation Name	Organisation Role	Representative
England	Natural History Museum	Voucher repository; Sequencing centre	Raju Misra
	Royal Botanic Gardens, Kew	Voucher repository; Sequencing centre	Ester Gaya / Brian Douglas
	Natural England	Government Agency	Katie Clark
	Centre for Environment, Fisheries and Aquaculture Science	Government Agency	David Bass
Scotland	Royal Botanic Gardens, Edinburgh	Voucher repository; Sequencing centre	Peter Hollingsworth
	National Museums Scotland	Voucher repository; Sequencing centre	Vladimir Blagoderov
	Marine Scotland	Government Agency	Iveta Matejusova
	NatureScot	Government Agency	Colin Bean
Wales	National Botanic Gardens	Voucher repository; Sequencing centre	Natasha de Vere / Laura Jones
	Natural Resources Wales	Government Agency	Emma Keenan
Northern Ireland	Department of Agriculture, Environment and Rural Affairs	Government Agency	T.B.C.
Wider UK	Joint Nature Conservation Committee	Government Agency	Paul Woodcock

	Wellcome Sanger Institute	Sequencing centre	Mara Lawniczak
	Rethink Nature Partnership Biological Records Centre (UKCEH) Natural History Museum	NGO coordination Citizen Science UKBOL coordinator	Craig Macadam David Roy Ben Price

Task and Finish groups were presented to the steering group (Table 2) and are currently being taken forward by members of the group. The project website is available at: https://www.ukbol.org/ .

Table 2: Task and Finish groups established by the steering group and their current objectives.

Task & Finish Group	Objectives
Communication and engagement	1. Develop a website (http://ukbol.org/) and social media presence. 2. Develop an engagement plan for collectors and taxon experts. 3. Advertise project to relevant groups.
Data standards	1. Publish data standards for UKBOL compliant data. 2. Assist with data curation on BOLD, e.g.: a. BIN with multiple names b. Names with multiple BINS
Priority species	1. Develop and maintain priority species list a. Current list: https://tinyurl.com/PrioritySpecies. 2. Facilitate collection of priority species.
Field SOPs	1. Develop taxon-specific field Standard Operating Procedures.
Lab SOPs	1. Develop lab Standard Operating Procedures 2. Develop sequence assembly and BOLD upload pipeline.
Data portal	1. Scope requirements for UK barcoding data portal. 2. Build data portal and link to project website.

Objective 2: Priority species listed, collected, and sequenced

Summary

Previous work highlighted that half the UK species lack DNA barcode data (Price and others, 2020). This project was tasked with developing a priority species list for collection and DNA barcoding, collect relevant species in the field and sequence standard DNA barcodes which are then uploaded to BOLD.

Outputs

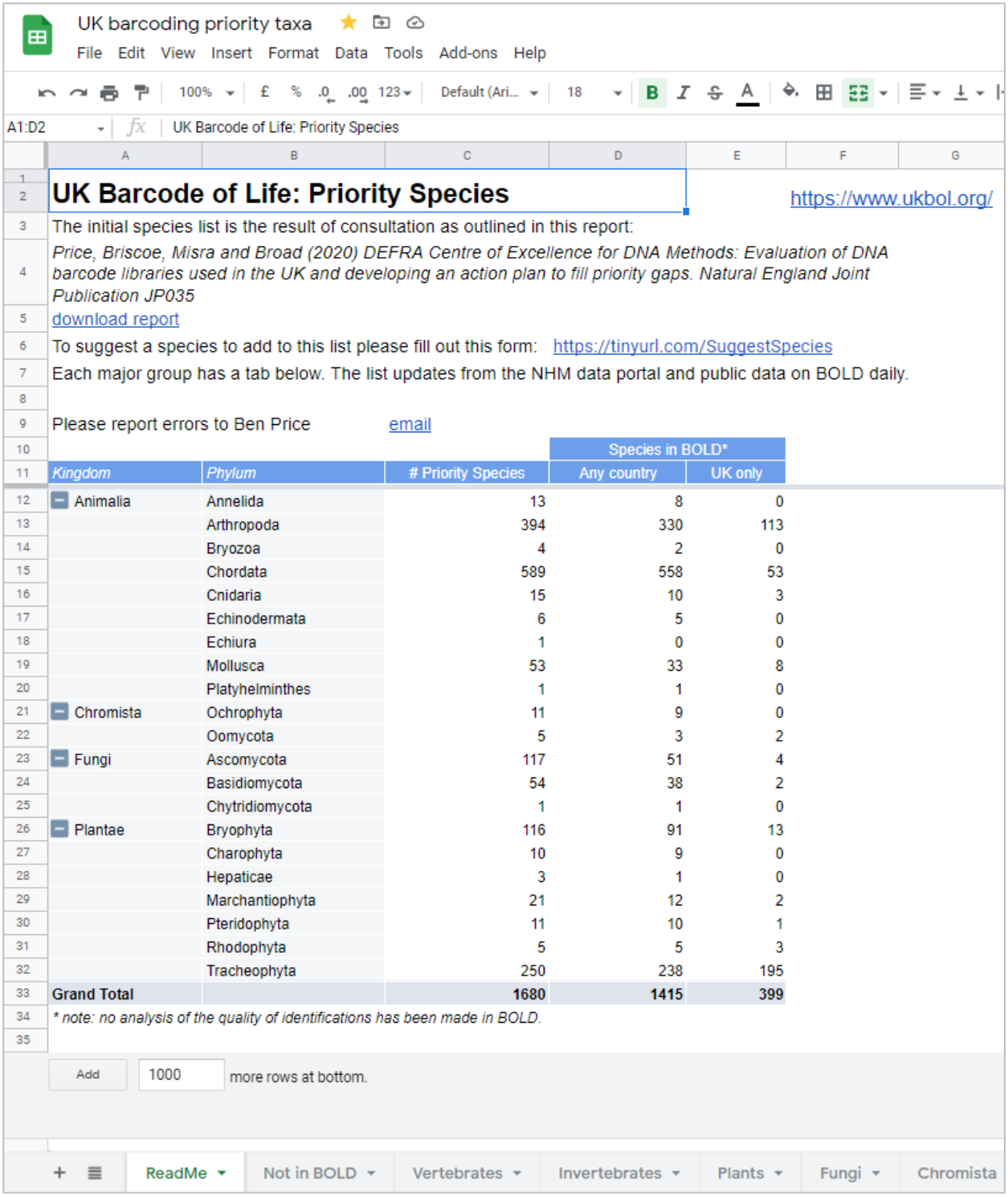
1. Priority species list drafted.
2. Priority species (1500) collected by Natural England and other stakeholders.
3. Priority species (1500) barcoded by NHM and uploaded to BOLD.

Progress

Species list

The priority list developed by previous consultation (Price and others, 2020) was converted into a live checklist which updates daily. The checklist is embedded into the UKBOL website: https://www.ukbol.org/data-portal.html or can be accessed directly via: https://tinyurl.com/PrioritySpecies

The list checks the NHM data portal (https://data.nhm.ac.uk/) to update if samples are available for DNA barcoding, thereby reducing potential duplication of effort in collecting additional specimens. The list also checks the BOLD database (http://www.boldsystems.org/) to update if DNA barcode data are now available for each species, either without a geographic restriction, or restricted to specimens collected in the UK (Figures 1 and 2).



UK barcoding priority taxa

File Edit View Insert Format Data Tools Add-ons Help

A1:D2 | UK Barcode of Life: Priority Species

UK Barcode of Life: Priority Species

https://www.ukbol.org/

The initial species list is the result of consultation as outlined in this report:

Price, Briscoe, Misra and Broad (2020) DEFRA Centre of Excellence for DNA Methods: Evaluation of DNA barcode libraries used in the UK and developing an action plan to fill priority gaps. Natural England Joint Publication JP035

download report

To suggest a species to add to this list please fill out this form: https://tinyurl.com/SuggestSpecies

Each major group has a tab below. The list updates from the NHM data portal and public data on BOLD daily.

Please report errors to Ben Price email

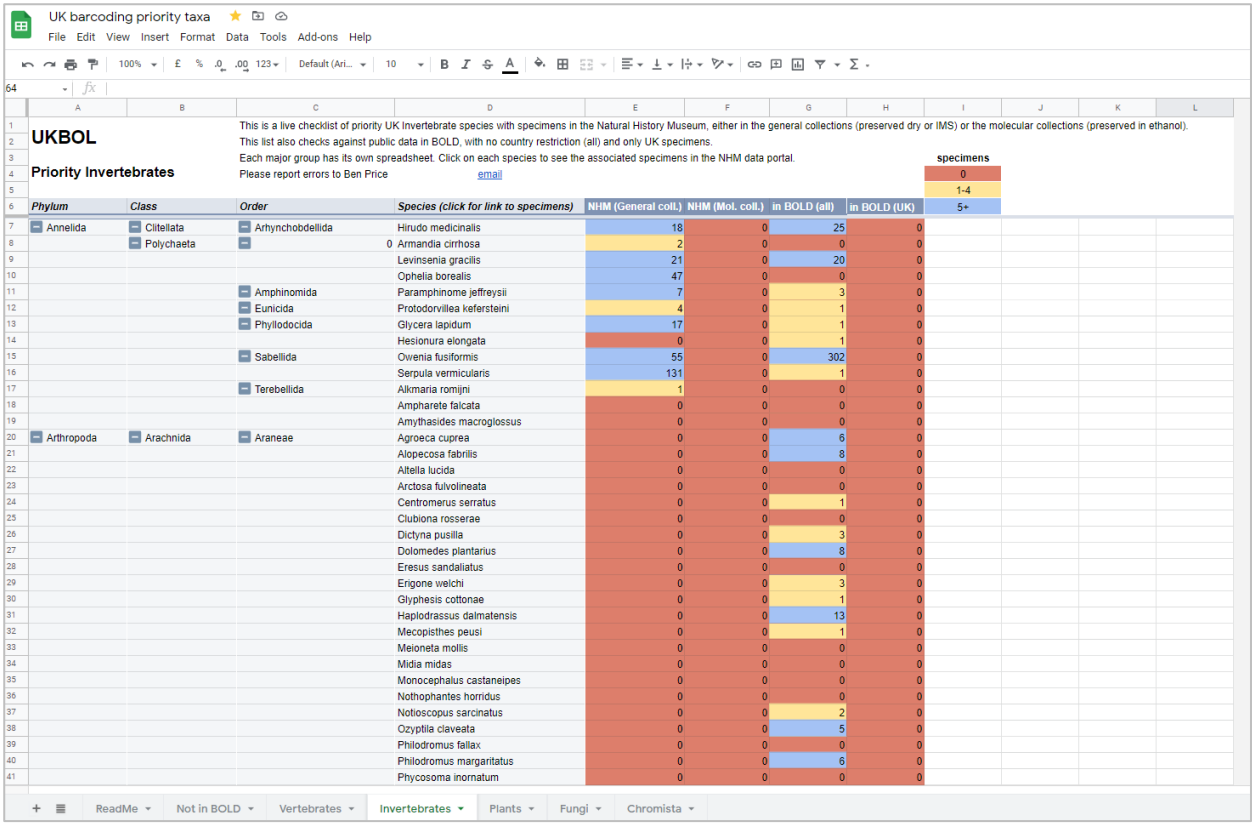
			Species in BOLD*	
Kingdom	*Phylum*	# Priority Species	Any country	UK only
Animalia	Annelida	13	8	0
	Arthropoda	394	330	113
	Bryozoa	4	2	0
	Chordata	589	558	53
	Cnidaria	15	10	3
	Echinodermata	6	5	0
	Echiura	1	0	0
	Mollusca	53	33	8
	Platyhelminthes	1	1	0
Chromista	Ochrophyta	11	9	0
	Oomycota	5	3	2
Fungi	Ascomycota	117	51	4
	Basidiomycota	54	38	2
	Chytridiomycota	1	1	0
Plantae	Bryophyta	116	91	13
	Charophyta	10	9	0
	Hepaticae	3	1	0
	Marchantiophyta	21	12	2
	Pteridophyta	11	10	1
	Rhodophyta	5	5	3
	Tracheophyta	250	238	195
Grand Total		**1680**	**1415**	**399**

** note: no analysis of the quality of identifications has been made in BOLD.*

Add 1000 more rows at bottom.

ReadMe | Not in BOLD | Vertebrates | Invertebrates | Plants | Fungi | Chromista

Figure 1: Overview of live priority species checklist, highlighting UK representation of species in BOLD for each major group. Each major group has a tab listing species.



UK barcoding priority taxa

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UKBOL

Priority Invertebrates

This is a live checklist of priority UK Invertebrate species with specimens in the Natural History Museum, either in the general collections (preserved dry or IMS) or the molecular collections (preserved in ethanol).
This list also checks against public data in BOLD, with no country restriction (all) and only UK specimens.
Each major group has its own spreadsheet. Click on each species to see the associated specimens in the NHM data portal.
Please report errors to Ben Price email

specimens
0
1-4
5+

Phylum	Class	Order	Species (click for link to specimens)	NHM (General coll.)	NHM (Mol. coll.)	in BOLD (all)	in BOLD (UK)
Annelida	Clitellata	Arhynchobdellida	Hirudo medicinalis	18	0	25	0
	Polychaeta		Armandia cirrhosa	2	0	0	0
			Levinsenia gracilis	21	0	20	0
			Ophelia borealis	47	0	0	0
		Amphinomida	Paramphinome jeffreysii	7	0	3	0
		Eunicida	Protodorvillea kefersteini	4	0	1	0
		Phyllodocida	Glycera lapidum	17	0	1	0
			Hesionura elongata	0	0	1	0
		Sabellida	Owenia fusiformis	55	0	302	0
			Serpula vermicularis	131	0	1	0
		Terebellida	Alkmaria romijni	1	0	0	0
			Ampharete falcata	0	0	0	0
			Amythasides macroglossus	0	0	0	0
Arthropoda	Arachnida	Araneae	Agroeca cuprea	0	0	6	0
			Alopecosa fabrilis	0	0	8	0
			Altella lucida	0	0	0	0
			Arctosa fulvolineata	0	0	0	0
			Centromerus serratus	0	0	1	0
			Clubiona rosserae	0	0	0	0
			Dictyna pusilla	0	0	3	0
			Dolomedes plantarius	0	0	8	0
			Eresus sandaliatus	0	0	0	0
			Erigone welchi	0	0	3	0
			Glyphesis cottonae	0	0	1	0
			Haplodrassus dalmatensis	0	0	13	0
			Mecopisthes peusi	0	0	1	0
			Meioneta mollis	0	0	0	0
			Midia midas	0	0	0	0
			Monocephalus castaneipes	0	0	0	0
			Nothophantes horridus	0	0	0	0
			Notioscopus sarcinatus	0	0	2	0
			Ozyptila claveata	0	0	5	0
			Philodromus fallax	0	0	0	0
			Philodromus margaritatus	0	0	6	0
			Phycosoma inornatum	0	0	0	0

ReadMe | Not in BOLD | Vertebrates | Invertebrates | Plants | Fungi | Chromista

Figure 2: Live priority species checklist for invertebrates. The colour-coded columns on the right summarise specimens available in the NHM collection, and barcodes available on BOLD for all countries or just the UK. Each species name links to the specimens on the NHM data portal.

A survey was developed to add to the live list: https://tinyurl.com/SuggestSpecies . The live list and associated survey have been shared with the secretary of the UK DNA working group for wider circulation.

Species collection

Natural England had planned fieldwork to collect specimens for this project, which was prevented by the COVID-19 pandemic. Alternative specimens, identified as important for ecological monitoring and already collected and stored at NHM were selected for barcoding.

Species barcoding

A UKBOL container project was registered and made public on BOLD. Several projects were created and associated with the UKBOL container to manage specimens from

different source projects. Relevant projects already on BOLD were also associated with the UKBOL container and corresponding specimens were incorporated into the UKBOL dataset (Table 3). While account registration (free) is required to contribute to the project, the samples and sequences are publicly visible in search results and can be used for DNA-based identification. To retrieve barcodes restricted to the UKBOL dataset use:

http://www.boldsystems.org/index.php/Public_SearchTerms?query=DS-UKBOL

Table 3: Projects associated with the UKBOL project on BOLD and current totals

Project	Description	Specimens	Species
Newly created:			
ANBIO	"Ainsdale BioBlitz": Natural England and NHM BioBlitz held at Ainsdale NNR July 2019.	420	200
FBUK	"FreshBase UK": Freshwater invertebrates collected for barcoding and genomics.	426	411
UKAN	"UK Barcoding – Animals": General project for UK animal barcoding.	220	153
Other projects:			
BEEEE	"British Bee COI database". See Tang and others (2017) for further information.	448	226
FPUK	"Flowering Plants of the United Kingdom". See Jones and others (2021) for further information.	4750	1455
DTNHM	"Darwin Tree of Life (NHM)". Samples barcoded as part of ID check for whole genome sequencing.	1071	220

Standard COI barcoding was undertaken at NHM for 1066 specimens of 742 different species (Table 4). These specimens were previously collected for other ongoing projects (see Appendices 2 – 4 for specimen details). Samples were databased, imaged and then dissected or tissue subsampled as appropriate for the taxon group. In the case of very small specimens the whole body was used for DNA extraction, with the voucher recovered after the extraction was completed.

For the "FBUK" and "UKAN" projects DNA was extracted using the KAPA Express Extraction Kit, then amplified using standard in-house protocols and group-specific barcoding primers. Resulting amplicons were sequenced bidirectionally on an Applied Biosystems 3730XL sequencer, contigs were assembled using CodonCode Aligner and then aligned and checked manually using MEGA X (Kumar and others, 2018).

For the “ANBIO” project DNA was extracted using 5% Chelex resin in TE buffer with ProK at 56°C for 30min, followed by a one-step PCR with uniquely indexed LCO/HCO primers (Folmer and others, 1994). Resulting amplicons were sequenced on a MinION (Oxford Nanopore), using a single R9 flowcell, and demultiplexed using ONTbarcoder (Srivathsan and others, 2021).

Of the 1066 specimens, 837 produced a DNA barcode sequence, while the remaining 229 either failed to amplify due to age / preservation / primer mismatch; produced a barcode with more than 1% ambiguous bases; or resulted in a non-target barcode sequence (i.e., a known contaminant such as human or microbial) which were subsequently excluded from BOLD pending additional sequencing. In addition to the sequencing undertaken in this project the other projects now included within the UKBOL dataset include a further 6,269 specimens corresponding to a further 1,901 species (Table 3).

Table 4: Summary of samples and species sequenced to date under the UKBOL project

Phylum	Class	Order	# Samples	# Species
Annelida	Clitellata	Arhynchobdellida	3	3
		Haplotaxida	1	1
		Rhynchobdellida	6	6
		NA	3	
	Polychaeta	Phyllodocida	1	1
		NA	6	
Arthropoda	Arachnida	Araneae	16	7
		Mesostigmata	5	4
		Sarcoptiformes	3	3
		Trombidiformes	1	1
	Branchiopoda	Anomopoda	12	12
		Notostraca	1	1
	Collembola	Entomobryomorpha	4	4
	Diplopoda	NA	1	
	Insecta	Coleoptera	175	129
		Dermaptera	4	1
		Diptera	187	151
		Ephemeroptera	44	39
		Hemiptera	63	49
		Hymenoptera	152	73
		Lepidoptera	143	63
		Mecoptera	1	
		Megaloptera	3	3
		Neuroptera	4	2
		Odonata	25	17
		Orthoptera	13	4
		Plecoptera	29	26
		Trichoptera	79	79
		NA	1	
	Malacostraca	Amphipoda	21	12
		Isopoda	4	2
		Mysida	1	1
	Ostracoda	Podocopida	7	7
Chordata	Reptilia	Squamata	1	1
Cnidaria	Hydrozoa	Anthoathecata	1	1
Mollusca	Bivalvia	Cardiida	1	
		Myida	1	1
		Sphaeriida	7	7
		Venerida	1	1
	Gastropoda	Cycloneritida	1	1
		Hygrophila	3	3
		Littorinimorpha	4	4
		Pulmonata	2	2
		Stylommatophora	4	4
		Triganglionata	2	2

		NA	14	12
	NA	NA	1	
Nematoda	Enoplea	Dorylaimida	1	
Platyhelminthes	Rhabditophora	Tricladida	3	2
Total			**1066**	**742**

3. Next steps

As monitoring programmes begin to incorporate more DNA-based techniques to identify species, filling the gaps in UK DNA reference libraries becomes more important to the success of these programmes. The UKBOL project is uniquely set up to do this in the UK and is currently funded to sequence priority species identified during the previous consultation, however this only covers a tiny proportion of the UK species currently missing barcode data.

The next steps for the project are to (1) tackle the objectives listed in each Task and Finish groups (Table 2); (2) secure large-scale funding to fill the remaining gaps, enabling comprehensive DNA-based biodiversity exploration and monitoring through such initiatives as the Natural Capital and Ecosystem Assessment programme; (3) additionally, several projects based in UK overseas territories are beginning to incorporate DNA-based identification and should be incorporated into the UKBOL network.

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Appendix 1 - UK Barcode of Life (UKBOL): Terms of Reference

Date	Version	Author(s)	Notes
2021-03-23	0.1	Ben Price	Initial draft
2021-03-27	1.0	Ben Price	Minor updates following steering group meeting.

Background and Purpose

There are approximately 76,000 eukaryote species in the UK, and while we know some of them in detail, the majority of these species are poorly known, and hundreds of new species are discovered each year. DNA-based methods, such as barcoding, offer an opportunity to greatly improve our understanding of biodiversity from individual, bulk or environmental samples. DNA barcoding uses short, standardised segment(s) of an organism's genome for identification by comparison to a reference library; however, the UK lacks reliable and openly accessible reference sequences for key taxa. Gaps in DNA reference libraries of UK species were identified by the Defra DNA Centre of Excellence Working Group as one of the main barriers preventing the further uptake of DNA based methods for environmental species monitoring (see report: Price et al. 2020).

The UK Barcode of Life (UKBOL) steering group aims to coordinate the development of comprehensive DNA reference libraries for all UK eukaryote species. The steering group was established by the Defra Centre of Excellence for DNA in March 2021. The group is coordinated by Ben Price (Natural History Museum, London) with membership reviewed quarterly.

Aims

- Coordinate voucher collection and DNA barcoding activities between partner organisations.
- Identify and secure funding to enable comprehensive UK species coverage.
- Identify and establish "Task and Finish" working groups.

Meetings

Steering group meetings will be held quarterly and will be online / conference calls. If members are not able to attend, they may nominate a deputy. Task and Finish working

group meetings will be held online as required. The coordinator (Ben Price) will organise the steering group meetings and chair the first meeting, with subsequent chairing arrangements agreed at the first meeting. Topics for the agenda are to be emailed to the coordinator (Ben Price) in advance of the meeting, though smaller items can be brought up in the AOB section as required. The meeting agenda and relevant documents will be circulated in advance of each meeting. Meetings will be recorded and agreed actions will be circulated after each meeting.

Membership

While the wider project will be open to all, current membership of the steering group will be initially limited to a few representative organisations in the devolved nations (see table below). Additional members will be based on majority agreement of the current steering group members. Steering group membership will be reviewed at each meeting. Each member of the steering group is responsible for representing their organisation at meetings and communicating with other stakeholders they represent.

Nation	Organisation Name	Organisation Role	Representative
England	Natural History Museum	Voucher repository; Sequencing center	Raju Misra
	Royal Botanic Gardens Kew	Voucher repository; Sequencing center	Ester Gaya
	Natural England	Government Agency	Katie Clark
	CEFAS	Government Agency	David Bass
Scotland	Royal Botanic Gardens Edinburgh	Voucher repository; Sequencing center	Peter Hollingsworth
	National Museums Scotland	Voucher repository; Sequencing center	Vladimir Blagoderov
	Marine Scotland	Government Agency	Iveta Matejusova
	NatureScot	Government Agency	Colin Bean
Wales	National Botanic Gardens	Voucher repository; Sequencing center	Natasha de Vere / Laura Jones
	Natural Resources Wales	Government Agency	Emma Keenan

Northern Ireland	Department of Agriculture, Environment and Rural Affairs	Government Agency	T.B.C.
Wider UK	Joint Nature Conservation Committee	Government Agency	Paul Woodcock
	Wellcome Sanger Institute	Sequencing center	Mara Lawniczak

Ways of working

The steering group will identify and initiate “Task and Finish” working groups to deal with various aspects of the project as needed. These groups will meet independently and report back to the steering group as needed.

Communication

Group members will share information and resources via email. Document storage will be provided by NHM through SharePoint or similar and will be facilitated by the coordinator. Document storage will be reviewed once a project website is online.

Deliverables

1. Regular steering group meetings held.
2. Task and Finish working groups identified and established with timelines for delivery.
3. 5-year plan developed.
4. Business case developed for large-scale funding.
5. Priority species collected and sequenced.

Review

The project goals and terms of reference will be reviewed at the first meeting each calendar year.

Appendix 2 - Project:ANBIO

Project:ANBIO - Voucher info:

Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
4038077354	4038077354	014486716	NHMUK	Natural History Museum, London
4038077353	4038077353	014487954	NHMUK	Natural History Museum, London
4038077352	4038077352	014487723	NHMUK	Natural History Museum, London
4038077350	4038077350	014486873	NHMUK	Natural History Museum, London
4038077351	4038077351	014486872	NHMUK	Natural History Museum, London
4038077349	4038077349	014487148	NHMUK	Natural History Museum, London
4038077347	4038077347	014487147	NHMUK	Natural History Museum, London
4038077346	4038077346	014487146	NHMUK	Natural History Museum, London
4038077348	4038077348	014486871	NHMUK	Natural History Museum, London
4038080295	4038080295	014486987	NHMUK	Natural History Museum, London
014035335	014035335	014035335	NHMUK	Natural History Museum, London
014035337	014035337	014035337	NHMUK	Natural History Museum, London
014035342	014035342	014035342	NHMUK	Natural History Museum, London
014035350	014035350	014035350	NHMUK	Natural History Museum, London
014035356	014035356	014035356	NHMUK	Natural History Museum, London
014035349	014035349	014035349	NHMUK	Natural History Museum, London
014035344	014035344	014035344	NHMUK	Natural History Museum, London
014035352	014035352	014035352	NHMUK	Natural History Museum, London
014035354	014035354	014035354	NHMUK	Natural History Museum, London
014035324	014035324	014035324	NHMUK	Natural History Museum, London
014035325	014035325	014035325	NHMUK	Natural History Museum, London
014035317	014035317	014035317	NHMUK	Natural History Museum, London
014035321	014035321	014035321	NHMUK	Natural History Museum, London
014035351	014035351	014035351	NHMUK	Natural History Museum, London
014035404	014035404	014035404	NHMUK	Natural History Museum, London
014035398	014035398	014035398	NHMUK	Natural History Museum, London
014035332	014035332	014035332	NHMUK	Natural History Museum, London
014035366	014035366	014035366	NHMUK	Natural History Museum, London
014035329	014035329	014035329	NHMUK	Natural History Museum, London
014035327	014035327	014035327	NHMUK	Natural History Museum, London
014035320	014035320	014035320	NHMUK	Natural History Museum, London
014035413	014035413	014035413	NHMUK	Natural History Museum, London
014035347	014035347	014035347	NHMUK	Natural History Museum, London
014035363	014035363	014035363	NHMUK	Natural History Museum, London
014035343	014035343	014035343	NHMUK	Natural History Museum, London
014035385	014035385	014035385	NHMUK	Natural History Museum, London
014035341	014035341	014035341	NHMUK	Natural History Museum, London
014035358	014035358	014035358	NHMUK	Natural History Museum, London
014035368	014035368	014035368	NHMUK	Natural History Museum, London

Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
014035362	014035362	014035362	NHMUK	Natural History Museum, London
014035394	014035394	014035394	NHMUK	Natural History Museum, London
014035410	014035410	014035410	NHMUK	Natural History Museum, London
014035412	014035412	014035412	NHMUK	Natural History Museum, London
014035414	014035414	014035414	NHMUK	Natural History Museum, London
014035330	014035330	014035330	NHMUK	Natural History Museum, London
014035339	014035339	014035339	NHMUK	Natural History Museum, London
014035374	014035374	014035374	NHMUK	Natural History Museum, London
014035401	014035401	014035401	NHMUK	Natural History Museum, London
014035348	014035348	014035348	NHMUK	Natural History Museum, London
014035420	014035420	014035420	NHMUK	Natural History Museum, London
014035381	014035381	014035381	NHMUK	Natural History Museum, London
014035392	014035392	014035392	NHMUK	Natural History Museum, London
014035328	014035328	014035328	NHMUK	Natural History Museum, London
014035367	014035367	014035367	NHMUK	Natural History Museum, London
014035403	014035403	014035403	NHMUK	Natural History Museum, London
014035396	014035396	014035396	NHMUK	Natural History Museum, London
014035424	014035424	014035424	NHMUK	Natural History Museum, London
014035419	014035419	014035419	NHMUK	Natural History Museum, London
014035364	014035364	014035364	NHMUK	Natural History Museum, London
014035340	014035340	014035340	NHMUK	Natural History Museum, London
014035378	014035378	014035378	NHMUK	Natural History Museum, London
014035428	014035428	014035428	NHMUK	Natural History Museum, London
4038077345	4038077345	014487661	NHMUK	Natural History Museum, London
014035427	014035427	014035427	NHMUK	Natural History Museum, London
014035426	014035426	014035426	NHMUK	Natural History Museum, London
014035386	014035386	014035386	NHMUK	Natural History Museum, London
014035406	014035406	014035406	NHMUK	Natural History Museum, London
014035338	014035338	014035338	NHMUK	Natural History Museum, London
014035360	014035360	014035360	NHMUK	Natural History Museum, London
014035318	014035318	014035318	NHMUK	Natural History Museum, London
014035384	014035384	014035384	NHMUK	Natural History Museum, London
014035389	014035389	014035389	NHMUK	Natural History Museum, London
014035400	014035400	014035400	NHMUK	Natural History Museum, London
014035323	014035323	014035323	NHMUK	Natural History Museum, London
014035425	014035425	014035425	NHMUK	Natural History Museum, London
014035380	014035380	014035380	NHMUK	Natural History Museum, London
014035365	014035365	014035365	NHMUK	Natural History Museum, London
014035402	014035402	014035402	NHMUK	Natural History Museum, London
014035387	014035387	014035387	NHMUK	Natural History Museum, London
014035373	014035373	014035373	NHMUK	Natural History Museum, London
014035418	014035418	014035418	NHMUK	Natural History Museum, London
014035397	014035397	014035397	NHMUK	Natural History Museum, London
014035409	014035409	014035409	NHMUK	Natural History Museum, London
014035399	014035399	014035399	NHMUK	Natural History Museum, London

Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
014035322	014035322	014035322	NHMUK	Natural History Museum, London
014035377	014035377	014035377	NHMUK	Natural History Museum, London
014035407	014035407	014035407	NHMUK	Natural History Museum, London
014035353	014035353	014035353	NHMUK	Natural History Museum, London
014035333	014035333	014035333	NHMUK	Natural History Museum, London
014035319	014035319	014035319	NHMUK	Natural History Museum, London
014035345	014035345	014035345	NHMUK	Natural History Museum, London
014035379	014035379	014035379	NHMUK	Natural History Museum, London
014035334	014035334	014035334	NHMUK	Natural History Museum, London
014035417	014035417	014035417	NHMUK	Natural History Museum, London
014035405	014035405	014035405	NHMUK	Natural History Museum, London
014035415	014035415	014035415	NHMUK	Natural History Museum, London
4038077344	4038077344	014486715	NHMUK	Natural History Museum, London
4038077337	4038077337	014487632	NHMUK	Natural History Museum, London
4038077338	4038077338	014486683	NHMUK	Natural History Museum, London
4022671646	4022671646	014487716	NHMUK	Natural History Museum, London
4038077342	4038077342	014487715	NHMUK	Natural History Museum, London
4038077315	4038077315	014486869	NHMUK	Natural History Museum, London
4038077323	4038077323	014486868	NHMUK	Natural History Museum, London
4038077314	4038077314	014486867	NHMUK	Natural History Museum, London
4038077330	4038077330	014486878	NHMUK	Natural History Museum, London
4038077340	4038077340	014487717	NHMUK	Natural History Museum, London
4038077341	4038077341	014486877	NHMUK	Natural History Museum, London
4038077308	4038077308	014486876	NHMUK	Natural History Museum, London
4038077336	4038077336	014487699	NHMUK	Natural History Museum, London
4038077332	4038077332	014486875	NHMUK	Natural History Museum, London
014035437	014035437	014035437	NHMUK	Natural History Museum, London
014035436	014035436	014035436	NHMUK	Natural History Museum, London
014035440	014035440	014035440	NHMUK	Natural History Museum, London
014035446	014035446	014035446	NHMUK	Natural History Museum, London
014035431	014035431	014035431	NHMUK	Natural History Museum, London
014035372	014035372	014035372	NHMUK	Natural History Museum, London
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014035441	014035441	014035441	NHMUK	Natural History Museum, London
014035371	014035371	014035371	NHMUK	Natural History Museum, London
4038080268	4038080268	014486880	NHMUK	Natural History Museum, London
4038080269	4038080269	014486908	NHMUK	Natural History Museum, London

Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
4038080270	4038080270	014486969	NHMUK	Natural History Museum, London
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4038080240	4038080240	014486593	NHMUK	Natural History Museum, London
4038080246	4038080246	014486967	NHMUK	Natural History Museum, London
4035758136	4035758136	014487707	NHMUK	Natural History Museum, London
4035758135	4035758135	014486767	NHMUK	Natural History Museum, London
4038080260	4038080260	014486957	NHMUK	Natural History Museum, London
4038080261	4038080261	014486961	NHMUK	Natural History Museum, London
4038080262	4038080262	014486557	NHMUK	Natural History Museum, London
4038080247	4038080247	014486596	NHMUK	Natural History Museum, London
4038080520	4038080520	014486891	NHMUK	Natural History Museum, London
4038080238	4038080238	014486914	NHMUK	Natural History Museum, London
4035758138	4035758138	014486803	NHMUK	Natural History Museum, London
4035758129	4035758129	014486572	NHMUK	Natural History Museum, London
4038080252	4038080252	014487590	NHMUK	Natural History Museum, London
4038080253	4038080253	014486938	NHMUK	Natural History Museum, London
4038080254	4038080254	014486897	NHMUK	Natural History Museum, London
4038080239	4038080239	014486600	NHMUK	Natural History Museum, London
4038080265	4038080265	014486932	NHMUK	Natural History Museum, London
4038080272	4038080272	014486929	NHMUK	Natural History Museum, London
4035758137	4035758137	014487709	NHMUK	Natural History Museum, London
4035755262	4035755262	014487783	NHMUK	Natural History Museum, London
4038080244	4038080244	014486913	NHMUK	Natural History Museum, London
4038080245	4038080245	014487610	NHMUK	Natural History Museum, London
4038080518	4038080518	014486912	NHMUK	Natural History Museum, London
4038080519	4038080519	014486970	NHMUK	Natural History Museum, London
4038080257	4038080257	014486614	NHMUK	Natural History Museum, London
4038080248	4038080248	014486930	NHMUK	Natural History Museum, London
4035758139	4035758139	014486825	NHMUK	Natural History Museum, London
4035753520	4035753520	014486658	NHMUK	Natural History Museum, London
4038080271	4038080271	014487596	NHMUK	Natural History Museum, London
4038080236	4038080236	014486949	NHMUK	Natural History Museum, London
4038080237	4038080237	014487609	NHMUK	Natural History Museum, London
4038080264	4038080264	014486558	NHMUK	Natural History Museum, London
4038080249	4038080249	014486554	NHMUK	Natural History Museum, London
4038080273	4038080273	014486972	NHMUK	Natural History Museum, London
4035757120	4035757120	014487802	NHMUK	Natural History Museum, London
4035731666	4035731666	014487811	NHMUK	Natural History Museum, London
4038080516	4038080516	014486898	NHMUK	Natural History Museum, London
4038080517	4038080517	014486601	NHMUK	Natural History Museum, London
4038080263	4038080263	014486943	NHMUK	Natural History Museum, London
4038080256	4038080256	014486946	NHMUK	Natural History Museum, London
4038080241	4038080241	014486900	NHMUK	Natural History Museum, London
4038080251	4038080251	014486594	NHMUK	Natural History Museum, London
4038080652	4038080652	014486629	NHMUK	Natural History Museum, London

Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
4035731642	4035731642	014487927	NHMUK	Natural History Museum, London
4035758131	4035758131	014486776	NHMUK	Natural History Museum, London
4035758128	4035758128	014486652	NHMUK	Natural History Museum, London
4035758101	4035758101	014487950	NHMUK	Natural History Museum, London
014041387	014041387	014041387	NHMUK	Natural History Museum, London
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014041392	014041392	014041392	NHMUK	Natural History Museum, London
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014041389	014041389	014041389	NHMUK	Natural History Museum, London
014041391	014041391	014041391	NHMUK	Natural History Museum, London
014041385	014041385	014041385	NHMUK	Natural History Museum, London
4035758096	4035758096	014487933	NHMUK	Natural History Museum, London
4035758097	4035758097	014487946	NHMUK	Natural History Museum, London
4035758098	4035758098	014487938	NHMUK	Natural History Museum, London
4035755200	4035755200	014487644	NHMUK	Natural History Museum, London
4035755225	4035755225	014487970	NHMUK	Natural History Museum, London
4035755201	4035755201	014487643	NHMUK	Natural History Museum, London
4035755217	4035755217	014487642	NHMUK	Natural History Museum, London
4035755218	4035755218	014487638	NHMUK	Natural History Museum, London
4035755219	4035755219	014487633	NHMUK	Natural History Museum, London
4035755224	4035755224	014487710	NHMUK	Natural History Museum, London
4035755209	4035755209	014486857	NHMUK	Natural History Museum, London
4035755244	4035755244	014487964	NHMUK	Natural History Museum, London
4035755211	4035755211	014487663	NHMUK	Natural History Museum, London
4035755202	4035755202	014487963	NHMUK	Natural History Museum, London
4035755210	4035755210	014487961	NHMUK	Natural History Museum, London
4035755207	4035755207	014487703	NHMUK	Natural History Museum, London
4035755208	4035755208	014487708	NHMUK	Natural History Museum, London
4035755213	4035755213	014487714	NHMUK	Natural History Museum, London
4038080604	4038080604	014486707	NHMUK	Natural History Museum, London
4038080605	4038080605	014486706	NHMUK	Natural History Museum, London
4038080606	4038080606	014486705	NHMUK	Natural History Museum, London
4038080607	4038080607	014486704	NHMUK	Natural History Museum, London
4038080608	4038080608	014486703	NHMUK	Natural History Museum, London
4038080609	4038080609	014486702	NHMUK	Natural History Museum, London
4038080610	4038080610	014486701	NHMUK	Natural History Museum, London
4038080611	4038080611	014486700	NHMUK	Natural History Museum, London
4038080596	4038080596	014487660	NHMUK	Natural History Museum, London
4035755249	4035755249	014486655	NHMUK	Natural History Museum, London
4035755250	4035755250	014486579	NHMUK	Natural History Museum, London
4035758082	4035758082	014487935	NHMUK	Natural History Museum, London
4035758083	4035758083	014487936	NHMUK	Natural History Museum, London
4035758084	4035758084	014487944	NHMUK	Natural History Museum, London
4035758085	4035758085	014487939	NHMUK	Natural History Museum, London
4038080597	4038080597	014486611	NHMUK	Natural History Museum, London

Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
4035755257	4035755257	014486805	NHMUK	Natural History Museum, London
4035755252	4035755252	014486721	NHMUK	Natural History Museum, London
4035755251	4035755251	014486574	NHMUK	Natural History Museum, London
4035755248	4035755248	014486654	NHMUK	Natural History Museum, London
4035755255	4035755255	014487701	NHMUK	Natural History Museum, London
4035755256	4035755256	014486782	NHMUK	Natural History Museum, London
4035755254	4035755254	014486783	NHMUK	Natural History Museum, London
4035731640	4035731640	014487788	NHMUK	Natural History Museum, London
4035731663	4035731663	014487787	NHMUK	Natural History Museum, London
4035731664	4035731664	014487785	NHMUK	Natural History Museum, London
4035731656	4035731656	014487786	NHMUK	Natural History Museum, London
4035731672	4035731672	014487835	NHMUK	Natural History Museum, London
4035731633	4035731633	014486855	NHMUK	Natural History Museum, London
4035754335	4035754335	014486659	NHMUK	Natural History Museum, London
4035754329	4035754329	014486657	NHMUK	Natural History Museum, London
4035754330	4035754330	014486635	NHMUK	Natural History Museum, London
4035754332	4035754332	014486726	NHMUK	Natural History Museum, London
4035754334	4035754334	014487618	NHMUK	Natural History Museum, London
4035754331	4035754331	014486804	NHMUK	Natural History Museum, London
4035754317	4035754317	014486801	NHMUK	Natural History Museum, London
4035754318	4035754318	014486835	NHMUK	Natural History Museum, London
4035729617	4035729617	014486830	NHMUK	Natural History Museum, London
4035754295	4035754295	014486829	NHMUK	Natural History Museum, London
4035754290	4035754290	014486827	NHMUK	Natural History Museum, London
4035754300	4035754300	014486823	NHMUK	Natural History Museum, London
4035754294	4035754294	014486758	NHMUK	Natural History Museum, London
4035754301	4035754301	014487621	NHMUK	Natural History Museum, London
4035754299	4035754299	014487620	NHMUK	Natural History Museum, London
4035754302	4035754302	014486751	NHMUK	Natural History Museum, London
4035755253	4035755253	014486784	NHMUK	Natural History Museum, London
4035755258	4035755258	014486747	NHMUK	Natural History Museum, London
4035755259	4035755259	014486746	NHMUK	Natural History Museum, London
4035755242	4035755242	014487674	NHMUK	Natural History Museum, London
4035755205	4035755205	014487962	NHMUK	Natural History Museum, London
4035754293	4035754293	014487630	NHMUK	Natural History Museum, London
4035754297	4035754297	014487631	NHMUK	Natural History Museum, London
4035754296	4035754296	014486748	NHMUK	Natural History Museum, London
4035758086	4035758086	014487947	NHMUK	Natural History Museum, London
4035758088	4035758088	014487795	NHMUK	Natural History Museum, London
4035758089	4035758089	014487932	NHMUK	Natural History Museum, London
4035758090	4035758090	014487945	NHMUK	Natural History Museum, London
4035758093	4035758093	014487952	NHMUK	Natural History Museum, London
014035370	014035370	014035370	NHMUK	Natural History Museum, London
014035359	014035359	014035359	NHMUK	Natural History Museum, London
014035383	014035383	014035383	NHMUK	Natural History Museum, London

Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
014035326	014035326	014035326	NHMUK	Natural History Museum, London
014035382	014035382	014035382	NHMUK	Natural History Museum, London
014035393	014035393	014035393	NHMUK	Natural History Museum, London
014035388	014035388	014035388	NHMUK	Natural History Museum, London
014035411	014035411	014035411	NHMUK	Natural History Museum, London
014035355	014035355	014035355	NHMUK	Natural History Museum, London
4038077343	4038077343	014487145	NHMUK	Natural History Museum, London
014035357	014035357	014035357	NHMUK	Natural History Museum, London
014035430	014035430	014035430	NHMUK	Natural History Museum, London
014035369	014035369	014035369	NHMUK	Natural History Museum, London
014035408	014035408	014035408	NHMUK	Natural History Museum, London
014035391	014035391	014035391	NHMUK	Natural History Museum, London
014035395	014035395	014035395	NHMUK	Natural History Museum, London
014035438	014035438	014035438	NHMUK	Natural History Museum, London
014035435	014035435	014035435	NHMUK	Natural History Museum, London
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014035416	014035416	014035416	NHMUK	Natural History Museum, London
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4034488614	4034488614	014486578	NHMUK	Natural History Museum, London
4035753594	4035753594	014487822	NHMUK	Natural History Museum, London
4034488628	4034488628	014486729	NHMUK	Natural History Museum, London
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4038078183	4038078183	014486824	NHMUK	Natural History Museum, London
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4035754289	4035754289	014486623	NHMUK	Natural History Museum, London
4038078176	4038078176	014486832	NHMUK	Natural History Museum, London
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Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
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Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
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Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
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014432501	014432501	014432501	NHMUK	Natural History Museum, London
014432508	014432508	014432508	NHMUK	Natural History Museum, London

Project: ANBIO - Taxonomy

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species
4038077354	Arthropoda	Insecta	Dermaptera	Forficulidae	Forficulinae		Forficula	*Forficula auricularia*
4038077353	Arthropoda	Arachnida	Araneae	Pholcidae			Pholcus	*Pholcus phalangioides*
4038077352	Arthropoda	Insecta	Coleoptera	Carabidae	Cicindelinae	Cicindelini	Cicindela	*Cicindela hybrida*
4038077350	Arthropoda	Insecta	Lepidoptera	Erebidae	Lymantriinae	Leucomini	Leucoma	*Leucoma salicis*
4038077351	Arthropoda	Insecta	Lepidoptera	Geometridae	Sterrhinae		Rhodometra	*Rhodometra sacraria*
4038077349	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Hadenini	Polia	*Polia nebulosa*
4038077347	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Xylenini	Apterogenum	*Apterogenum ypsillon*
4038077346	Arthropoda	Insecta	Lepidoptera	Geometridae	Sterrhinae		Idaea	*Idaea subsericeata*
4038077348	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae		Mythimna	*Mythimna litoralis*
4038080295	Arthropoda	Insecta	Lepidoptera	Erebidae	Arctiinae	Arctiini	Tyria	*Tyria jacobaeae*
14035335	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Noctuini	Noctua	*Noctua pronuba*
14035337	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
14035342	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Noctuini	Noctua	*Noctua pronuba*
14035350	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Rusina	*Rusina ferruginea*
14035356	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Rusina	*Rusina ferruginea*
14035349	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
14035344	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae		Apamea	*Apamea monoglypha*
14035352	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Apameini	Oligia	*Oligia strigilis*
14035354	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Apameini	Oligia	*Oligia strigilis*
14035324	Arthropoda	Insecta	Lepidoptera	Sphingidae	Smerinthinae	Smerinthini	Laothoe	*Laothoe populi*
14035325	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Noctuini	Noctua	*Noctua pronuba*
14035317	Arthropoda	Insecta	Lepidoptera	Sphingidae	Smerinthinae	Smerinthini	Laothoe	*Laothoe populi*

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species
14035321	Arthropoda	Insecta	Lepidoptera	Sphingidae	Smerinthinae	Smerinthini	Smerinthus	*Smerinthus ocellatus*
14035351	Arthropoda	Insecta	Lepidoptera	Geometridae	Sterrhinae		Idaea	*Idaea dimidiata*
14035404	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae		Diarsia	*Diarsia mendica*
14035398	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Apameini	Oligia	*Oligia strigilis*
14035332	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
14035366	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
14035329	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
14035327	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae		Apamea	*Apamea monoglypha*
14035320	Arthropoda	Insecta	Lepidoptera	Sphingidae	Smerinthinae	Smerinthini	Laothoe	*Laothoe populi*
14035413	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae		Axylia	*Axylia putris*
14035347	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae		Xestia	*Xestia rhomboidea*
14035363	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Noctuini	Noctua	*Noctua pronuba*
14035343	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Rusina	*Rusina ferruginea*
14035385	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Campaea	*Campaea margaritata*
14035341	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae		Xestia	*Xestia rhomboidea*
14035358	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Rusina	*Rusina ferruginea*
14035368	Arthropoda	Insecta	Lepidoptera	Erebidae	Arctiinae	Lithosiini	Eilema	*Eilema lurideola*
14035362	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Noctuini	Noctua	*Noctua pronuba*
14035394	Arthropoda	Insecta	Lepidoptera	Erebidae	Arctiinae	Lithosiini	Eilema	*Eilema lurideola*
14035410	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
14035412	Arthropoda	Insecta	Lepidoptera	Erebidae	Arctiinae	Arctiini	Tyria	*Tyria jacobaeae*
14035414	Arthropoda	Insecta	Lepidoptera	Erebidae	Arctiinae	Arctiini	Tyria	*Tyria jacobaeae*
14035330	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Noctuini	Noctua	*Noctua pronuba*

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species
14035339	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Rusina	*Rusina ferruginea*
14035374	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Lomaspilis	*Lomaspilis marginata*
14035401	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Apameini	Oligia	*Oligia strigilis*
14035348	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae		Xestia	*Xestia rhomboidea*
14035420	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae		Leucania	*Leucania comma*
14035381	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Campaea	*Campaea margaritata*
14035392	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
14035328	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
14035367	Arthropoda	Insecta	Lepidoptera	Erebidae	Arctiinae	Lithosiini	Eilema	*Eilema lurideola*
14035403	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
14035396	Arthropoda	Insecta	Lepidoptera	Geometridae	Sterrhinae		Idaea	*Idaea aversata*
14035424	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae		Apamea	*Apamea lithoxylea*
14035419	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
14035364	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Noctuini	Noctua	*Noctua pronuba*
14035340	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Noctuini	Noctua	*Noctua pronuba*
14035378	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Alcis	*Alcis repandata*
14035428	Arthropoda	Insecta	Lepidoptera	Geometridae	Larentiinae	Eupitheciini	Eupithecia	*Eupithecia lariciata*
4038077345	Arthropoda	Insecta	Lepidoptera	Zygaenidae	Zygaeninae	Zygaenini	Zygaena	*Zygaena trifolii*
14035427	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Alcis	*Alcis repandata*
14035426	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Hylaea	*Hylaea fasciaria*
14035386	Arthropoda	Insecta	Lepidoptera	Geometridae	Geometrinae		Hemithea	*Hemithea aestivaria*
14035406	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
14035338	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Noctuini	Ochropleura	*Ochropleura plecta*

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species
14035360	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Noctuini	Ochropleura	*Ochropleura plecta*
14035318	Arthropoda	Insecta	Lepidoptera	Sphingidae	Macroglossinae	Macroglossini	Deilephila	*Deilephila elpenor*
14035384	Arthropoda	Insecta	Lepidoptera	Erebidae	Arctiinae	Arctiini	Spilosoma	*Spilosoma lutea*
14035389	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Rusina	*Rusina ferruginea*
14035400	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Apameini	Oligia	*Oligia strigilis*
14035323	Arthropoda	Insecta	Lepidoptera	Sphingidae	Smerinthinae	Smerinthini	Laothoe	*Laothoe populi*
14035425	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Noctuini	Noctua	*Noctua comes*
14035380	Arthropoda	Insecta	Lepidoptera	Drepanidae	Thyatirinae		Thyatira	*Thyatira batis*
14035365	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
14035402	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
14035387	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Alcis	*Alcis repandata*
14035373	Arthropoda	Insecta	Lepidoptera	Erebidae	Arctiinae	Lithosiini	Eilema	*Eilema lurideola*
14035418	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Apameini	Oligia	*Oligia strigilis*
14035397	Arthropoda	Insecta	Lepidoptera	Crambidae	Pyraustinae		Anania	*Anania hortulata*
14035409	Arthropoda	Insecta	Lepidoptera	Erebidae	Hypeninae		Hypena	*Hypena proboscidalis*
14035399	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Rusina	*Rusina ferruginea*
14035322	Arthropoda	Insecta	Lepidoptera	Sphingidae	Smerinthinae	Smerinthini	Laothoe	*Laothoe populi*
14035377	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Peribatodes	*Peribatodes rhomboidaria*
14035407	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Hadenini	Lacanobia	*Lacanobia oleracea*
14035353	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Hadenini	Lacanobia	*Lacanobia oleracea*
14035333	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Rusina	*Rusina ferruginea*
14035319	Arthropoda	Insecta	Lepidoptera	Sphingidae	Smerinthinae	Smerinthini	Laothoe	*Laothoe populi*
14035345	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae		Xestia	*Xestia rhomboidea*
14035379	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Lomaspilis	*Lomaspilis marginata*

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species
14035334	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
14035417	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Rusina	*Rusina ferruginea*
14035415	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Noctuini	Agrotis	*Agrotis exclamationis*
4038077344	Arthropoda	Insecta	Diptera	Asilidae	Asilinae		Philonicus	*Philonicus albiceps*
4038077337	Arthropoda	Insecta	Odonata	Libellulidae	Libellulinae		Libellula	*Libellula depressa*
4038077338	Arthropoda	Insecta	Lepidoptera	Nymphalidae	Heliconiinae		Argynnis	*Argynnis aglaja*
4022671646	Arthropoda	Insecta	Odonata	Aeshnidae	Aeshninae		Anax	*Anax imperator*
4038077342	Arthropoda	Insecta	Odonata	Libellulidae	Sympetrinae		Sympetrum	*Sympetrum striolatum*
4038077315	Arthropoda	Insecta	Hemiptera	Acanthosomatidae	Acanthosomatinae		Acanthosoma	*Acanthosoma haemorrhoidale*
4038077323	Arthropoda	Insecta	Hemiptera	Pentatomidae	Pentatominae		Pentatoma	*Pentatoma rufipes*
4038077314	Arthropoda	Insecta	Diptera	Syrphidae	Syrphinae		Baccha	*Baccha elongata*
4038077330	Arthropoda	Insecta	Coleoptera	Coccinellidae	Coccinellinae	Coccinellini	Harmonia	*Harmonia quadripunctata*
4038077340	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ichneumoninae		Amblyteles	*Amblyteles armatorius*
4038077341	Arthropoda	Insecta	Hemiptera	Aphrophoridae	Aphrophorinae		Aphrophora	*Aphrophora alni*
4038077308	Arthropoda	Insecta	Coleoptera	Elateridae	Agrypninae	Agrypnini	Agrypnus	*Agrypnus murinus*
4038077336	Arthropoda	Insecta	Coleoptera	Tenebrionidae	Lagriinae	Lagriini	Lagria	*Lagria hirta*
4038077332	Arthropoda	Insecta	Coleoptera	Coccinellidae	Coccinellinae	Coccinellini	Myrrha	*Myrrha octodecimguttata*
14035437	Arthropoda	Insecta	Lepidoptera	Tortricidae	Tortricinae	Tortricini	Acleris	*Acleris hastiana*
14035436	Arthropoda	Insecta	Lepidoptera	Tortricidae	Olethreutinae	Eucosmini	Eucosma	*Eucosma cana*
14035440	Arthropoda	Insecta	Lepidoptera	Crambidae	Scopariinae		Eudonia	*Eudonia mercurella*
14035446	Arthropoda	Insecta	Lepidoptera	Tortricidae	Olethreutinae	Eucosmini	Spilonota	*Spilonota ocellana*

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species
14035431	Arthropoda	Insecta	Lepidoptera	Tortricidae	Olethreutinae		Hedya	*Hedya nubiferana*
14035372	Arthropoda	Insecta	Lepidoptera	Geometridae	Sterrhinae		Idaea	*Idaea fuscovenosa*
14035376	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Lomaspilis	*Lomaspilis marginata*
14035375	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Lomaspilis	*Lomaspilis marginata*
14035432	Arthropoda	Insecta	Lepidoptera	Tortricidae	Tortricinae	Archipini	Pandemis	*Pandemis cerasana*
14035434	Arthropoda	Insecta	Lepidoptera	Crambidae	Crambinae		Crambus	*Crambus lathoniellus*
14035448	Arthropoda	Insecta	Lepidoptera	Tortricidae	Olethreutinae		Celypha	*Celypha lacunana*
14035447	Arthropoda	Insecta	Lepidoptera	Crambidae	Crambinae		Chrysoteuchia	*Chrysoteuchia culmella*
14035445	Arthropoda	Insecta	Lepidoptera	Argyresthiidae			Argyresthia	*Argyresthia bonnetella*
14035439	Arthropoda	Insecta	Lepidoptera	Blastobasidae	Blastobasinae		Blastobasis	*Blastobasis lacticolella*
14035423	Arthropoda	Insecta	Lepidoptera	Tischeriidae			Coptotriche	*Coptotriche marginea*
14035441	Arthropoda	Insecta	Lepidoptera	Crambidae	Acentropinae		Acentria	*Acentria ephemerella*
14035371	Arthropoda	Insecta	Lepidoptera	Geometridae	Sterrhinae		Idaea	*Idaea aversata*
4035758136	Arthropoda	Insecta	Odonata	Coenagrionidae	Coenagrioninae		Coenagrion	*Coenagrion puella*
4035758138	Arthropoda	Insecta	Orthoptera	Acrididae	Gomphocerinae		Chorthippus	*Chorthippus brunneus*
4035758129	Arthropoda	Insecta	Diptera	Syrphidae	Syrphinae		Episyrphus	*Episyrphus balteatus*
4035758137	Arthropoda	Insecta	Odonata	Coenagrionidae	Ischnurinae		Ischnura	*Ischnura elegans*
4035758139	Arthropoda	Insecta	Orthoptera	Acrididae	Gomphocerinae		Omocestus	*Omocestus viridulus*

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species
4035753520	Arthropoda	Insecta	Coleoptera	Scarabaeidae	Rutelinae	Anomalini	Phyllopertha	*Phyllopertha horticola*
4035757120	Arthropoda	Arachnida	Araneae	Lycosidae			Pirata	*Pirata piraticus*
4038080251	Arthropoda	Insecta	Coleoptera	Cantharidae	Cantharinae	Cantharini	Rhagonycha	*Rhagonycha fulva*
4035731642	Arthropoda	Malacostraca	Amphipoda	Haustoriidae			Haustorius	*Haustorius arenarius*
4035758128	Arthropoda	Insecta	Coleoptera	Coccinellidae	Coccinellinae	Coccinellini	Halyzia	*Halyzia sedecimguttata*
4035758101	Arthropoda	Collembola	Entomobryomorpha	Isotomidae			Isotoma	*Isotoma caerulea*
14041390	Arthropoda	Arachnida	Araneae	Tetragnathidae			Tetragnatha	*Tetragnatha extensa*
14041389	Arthropoda	Arachnida	Araneae	Thomisidae			Xysticus	*Xysticus cristatus*
14041391	Arthropoda	Arachnida	Araneae	Philodromidae			Philodromus	*Philodromus cespitum*
14041385	Arthropoda	Arachnida	Araneae	Thomisidae			Xysticus	*Xysticus cristatus*
4035758096	Arthropoda	Arachnida	Trombidiformes	Anystidae			Anystis	*Anystis baccarum*
4035758098	Arthropoda	Arachnida	Sarcoptiformes	Galumnidae			Acrogalumna	*Acrogalumna longipluma*
4035755200	Arthropoda	Insecta	Ephemeroptera	Baetidae	Baetinae		Cloeon	*Cloeon dipterum*
4035755225	Arthropoda	Malacostraca	Amphipoda	Crangonyctidae			Crangonyx	*Crangonyx pseudogracilis*
4035755219	Arthropoda	Insecta	Odonata	Libellulidae	Libellulinae		Libellula	*Libellula quadrimaculata*
4035755224	Arthropoda	Insecta	Odonata	Coenagrionidae	Ischnurinae		Ischnura	*Ischnura elegans*
4035755209	Arthropoda	Insecta	Lepidoptera	Nymphalidae	Nymphalinae	Nymphalini	Vanessa	*Vanessa atalanta*
4035755244	Arthropoda	Malacostraca	Isopoda	Asellidae			Asellus	*Asellus aquaticus*

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species
4035755202	Annelida	Clitellata	Rhynchobdellida	Glossiphoniidae			Glossiphonia	*Glossiphonia verrucata*
4035755207	Arthropoda	Insecta	Odonata	Aeshnidae	Aeshninae		Aeshna	*Aeshna grandis*
4035755208	Arthropoda	Insecta	Odonata	Coenagrionidae	Coenagrioninae		Coenagrion	*Coenagrion puella*
4035755213	Arthropoda	Insecta	Odonata	Coenagrionidae	Ischnurinae		Ischnura	*Ischnura elegans*
4038080606	Arthropoda	Insecta	Lepidoptera	Erebidae	Arctiinae	Arctiini	Tyria	*Tyria jacobaeae*
4038080610	Arthropoda	Insecta	Dermaptera	Forficulidae	Forficulinae		Forficula	*Forficula auricularia*
4035755249	Arthropoda	Insecta	Hymenoptera	Crabronidae	Crabroninae	Crabronini	Crossocerus	*Crossocerus binotatus*
4035755250	Arthropoda	Insecta	Neuroptera	Chrysopidae	Chrysopinae	Chrysopini	Chrysopa	*Chrysopa perla*
4035758082	Arthropoda	Arachnida	Sarcoptiformes	Nothridae			Nothrus	*Nothrus palustris*
4035758083	Arthropoda	Arachnida	Mesostigmata	Parasitidae			Pergamasus	*Pergamasus crassipes*
4035758084	Arthropoda	Arachnida	Mesostigmata	Veigaiidae			Veigaia	*Veigaia cerva*
4035758085	Arthropoda	Arachnida	Mesostigmata	Parasitidae			Pergamasus	*Pergamasus septentrionalis*
4038080597	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion arenarius*
4035755257	Arthropoda	Insecta	Orthoptera	Acrididae	Gomphocerinae		Chorthippus	*Chorthippus brunneus*
4035755252	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Pimplinae	Pimplini	Itoplectis	*Itoplectis maculator*
4035755251	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Pimplinae	Pimplini	Itoplectis	*Itoplectis maculator*
4035755248	Arthropoda	Insecta	Hymenoptera	Figitidae	Aspicerinae		Callaspidia	*Callaspidia defonscolombei*
4035755255	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Cryptinae		Bathythrix	*Bathythrix pellucidator*

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4035754335	Arthropoda	Insecta	Diptera	Tephritidae	Tephritinae	Tephritini	Tephritis	*Tephritis bardanae*
4035754329	Arthropoda	Insecta	Hemiptera	Pentatomidae	Pentatomina e		Palomena	*Palomena prasina*
4035754330	Arthropoda	Insecta	Diptera	Sciomyzidae	Sciomyzinae		Pherbellia	*Pherbellia cinerella*
4035754332	Arthropoda	Insecta	Hemiptera	Rhopalidae	Rhopalinae		Corizus	*Corizus hyoscyami*
4035754334	Arthropoda	Insecta	Diptera	Rhagionidae	Chrysopilinae		Chrysopilus	*Chrysopilus cristatus*
4035754331	Arthropoda	Insecta	Diptera	Asilidae	Asilinae		Dysmachus	*Dysmachus trigonus*
4035754317	Arthropoda	Insecta	Diptera	Sarcophagidae	Sarcophagin ae		Sarcophaga	*Sarcophaga teretirostris*
4035754318	Arthropoda	Insecta	Diptera	Bombyliidae	Phthiriinae		Phthiria	*Phthiria pulicaria*
4035729617	Arthropoda	Insecta	Diptera	Tephritidae	Tephritinae		Terellia	*Terellia ruficauda*
4035754295	Arthropoda	Insecta	Diptera	Syrphidae	Syrphinae		Paragus	*Paragus haemorrhous*
4035754290	Arthropoda	Insecta	Diptera	Syrphidae	Syrphinae		Platycheirus	*Platycheirus albimanus*
4035754300	Arthropoda	Insecta	Diptera	Syrphidae	Syrphinae	Syrphini	Sphaerophori a	*Sphaerophoria scripta*
4035754294	Arthropoda	Insecta	Diptera	Syrphidae	Syrphinae		Eupeodes	*Eupeodes corollae*
4035754301	Arthropoda	Insecta	Diptera	Rhagionidae	Chrysopilinae		Chrysopilus	*Chrysopilus cristatus*
4035754299	Arthropoda	Insecta	Diptera	Rhagionidae	Chrysopilinae		Chrysopilus	*Chrysopilus cristatus*
4035754302	Arthropoda	Insecta	Hymenoptera	Sphecidae	Ammophilina e		Ammophila	*Ammophila sabulosa*
4035755242	Arthropoda	Insecta	Hemiptera	Potamocoridae	Naucorinae		Ilyocoris	*Ilyocoris cimicoides*
4035755205	Mollusca	Gastropoda		Physidae			Aplexa	*Aplexa hypnorum*
4035754293	Arthropoda	Insecta	Diptera	Heleomyzidae	Trixoscelidin ae		Trixoscelis	*Trixoscelis obscurella*

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4035754297	Arthropoda	Insecta	Diptera	Heleomyzidae	Trixoscelidinae		Trixoscelis	*Trixoscelis obscurella*
4035754296	Arthropoda	Insecta	Diptera	Anthomyiidae	Anthomyiinae	Hydrophoriini	Delia	*Delia penicillosa*
4035758086	Arthropoda	Arachnida	Mesostigmata	Macrochelidae			Dissoloncha	*Dissoloncha superbus*
4035758088	Arthropoda	Collembola	Entomobryomorpha	Entomobryidae	Entomobryinae		Entomobrya	*Entomobrya nivalis*
4035758089	Arthropoda	Collembola	Entomobryomorpha	Entomobryidae	Orchesellinae		Orchesella	*Orchesella cincta*
4035758090	Arthropoda	Collembola	Entomobryomorpha	Entomobryidae	Orchesellinae		Orchesella	*Orchesella villosa*
4035758093	Arthropoda	Arachnida	Sarcoptiformes	Euzetidae			Euzetes	*Euzetes globulus*
14035370	Arthropoda	Insecta	Lepidoptera	Geometridae	Sterrhinae		Idaea	*Idaea aversata*
14035359	Arthropoda	Insecta	Lepidoptera	Drepanidae	Thyatirinae		Thyatira	*Thyatira batis*
14035383	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Apameini	Oligia	*Oligia strigilis*
14035326	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Noctuini	Agrotis	*Agrotis exclamationis*
14035382	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Apameini	Oligia	*Oligia strigilis*
14035393	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae		Axylia	*Axylia putris*
14035388	Arthropoda	Insecta	Lepidoptera	Geometridae	Sterrhinae		Idaea	*Idaea aversata*
14035411	Arthropoda	Insecta	Lepidoptera	Geometridae	Sterrhinae		Idaea	*Idaea aversata*
14035355	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Caradrinini	Hoplodrina	*Hoplodrina octogenaria*
4038077343	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Xylenini	Parastichtis	*Parastichtis suspecta*
14035357	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Apameini	Oligia	*Oligia strigilis*
14035430	Arthropoda	Insecta	Lepidoptera	Crambidae	Crambinae		Crambus	*Crambus lathoniellus*
14035369	Arthropoda	Insecta	Lepidoptera	Erebidae	Arctiinae	Lithosiini	Eilema	*Eilema lurideola*

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14035408	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Apameini	Oligia	*Oligia strigilis*
14035391	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Lomaspilis	*Lomaspilis marginata*
14035395	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Apameini	Oligia	*Oligia strigilis*
14035438	Arthropoda	Insecta	Lepidoptera	Tortricidae	Tortricinae		Epiphyas	*Epiphyas postvittana*
14035435	Arthropoda	Insecta	Lepidoptera	Pyralidae	Phycitinae		Dioryctria	*Dioryctria abietella*
14035442	Arthropoda	Insecta	Lepidoptera	Crambidae	Crambinae		Chrysoteuchia	*Chrysoteuchia culmella*
14035416	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Campaea	*Campaea margaritata*
14035422	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae		Mythimna	*Mythimna impura*
14035336	Arthropoda	Insecta	Lepidoptera	Noctuidae	Noctuinae	Apameini	Oligia	*Oligia strigilis*
14035433	Arthropoda	Insecta	Lepidoptera	Tortricidae	Olethreutinae	Eucosmini	Eucosma	*Eucosma cana*
4034488614	Arthropoda	Insecta	Diptera	Limoniidae	Limnophilinae		Austrolimnophila	*Austrolimnophila ochracea*
4034488654	Arthropoda	Insecta	Diptera	Limoniidae	Chioneinae		Symplecta	*Symplecta stictica*
4035729631	Arthropoda	Insecta	Diptera	Therevidae	Therevinae		Thereva	*Thereva nobilitata*
4038078183	Arthropoda	Insecta	Orthoptera	Acrididae	Gomphocerinae		Chorthippus	*Chorthippus brunneus*
4035754289	Arthropoda	Insecta	Diptera	Asilidae	Asilinae		Philonicus	*Philonicus albiceps*
4038078176	Arthropoda	Insecta	Orthoptera	Acrididae	Gomphocerinae		Omocestus	*Omocestus viridulus*
4034488636	Arthropoda	Insecta	Orthoptera	Acrididae	Gomphocerinae		Omocestus	*Omocestus viridulus*
4035755260	Arthropoda	Insecta	Hymenoptera	Braconidae	Homolobinae		Homolobus	*Homolobus infumator*
4034488612	Arthropoda	Insecta	Coleoptera	Coccinellidae	Coccinellinae	Coccinellini	Calvia	*Calvia quatuordecimguttata*

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species
4034488645	Arthropoda	Insecta	Hemiptera	Pentatomidae	Pentatomina e		Aelia	*Aelia acuminata*
4034488652	Arthropoda	Insecta	Coleoptera	Tenebrionidae	Lagriinae	Lagriini	Lagria	*Lagria hirta*
4035753568	Arthropoda	Insecta	Dermaptera	Forficulidae	Forficulinae		Forficula	*Forficula auricularia*
4034488613	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Lomaspilis	*Lomaspilis marginata*
4035754298	Arthropoda	Insecta	Diptera	Stratiomyidae	Sarginae		Chloromyia	*Chloromyia formosa*
4035753600	Arthropoda	Insecta	Hymenoptera	Ichneumonida e	Banchinae	Atrophini	Lissonota	*Lissonota lineolaris*
4035753601	Arthropoda	Arachnida	Araneae	Philodromidae			Philodromus	*Philodromus sp.*
4035731665	Arthropoda	Malacostraca	Amphipoda	Haustoriidae			Haustorius	*Haustorius arenarius*
4035731673	Arthropoda	Malacostraca	Amphipoda	Haustoriidae			Haustorius	*Haustorius arenarius*
4035758368	Arthropoda	Insecta	Lepidoptera	Erebidae	Arctiinae	Arctiini	Tyria	*Tyria jacobaeae*
4035758369	Arthropoda	Insecta	Lepidoptera	Hesperiidae	Hesperiinae	Hesperiini	Thymelicus	*Thymelicus sylvestris*
4035758370	Arthropoda	Insecta	Coleoptera	Coccinellidae	Coccinellinae	Coccinellini	Coccinella	*Coccinella septempunctata*
4034488644	Arthropoda	Insecta	Diptera	Limoniidae	Limoniinae		Metalimnobia	*Metalimnobia quadrinotata*
4035758372	Arthropoda	Insecta	Coleoptera	Tenebrionidae	Lagriinae	Lagriini	Lagria	*Lagria hirta*
4035758373	Arthropoda	Insecta	Dermaptera	Forficulidae	Forficulinae		Forficula	*Forficula auricularia*
4035754288	Arthropoda	Insecta	Diptera	Therevidae	Therevinae		Thereva	*Thereva nobilitata*
4035758375	Mollusca	Gastropoda	Stylommatop hora	Oxychilidae	Oxychilinae		Oxychilus	*Oxychilus alliarius*
4035758376	Mollusca	Gastropoda	Stylommatop hora	Cochlicopidae			Cochlicopa	*Cochlicopa lubrica*

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4035758377	Mollusca	Gastropoda	Stylommatophora	Gastrodontidae			Zonitoides	*Zonitoides nitidus*
4038078179	Arthropoda	Insecta	Hemiptera	Pentatomidae	Pentatominae		Dolycoris	*Dolycoris baccarum*
4038077804	Arthropoda	Insecta	Coleoptera	Coccinellidae	Coccinellinae	Coccinellini	Coccinella	*Coccinella septempunctata*
4034488653	Arthropoda	Insecta	Coleoptera	Brentidae	Nanophyinae	Nanophyini	Nanophyes	*Nanophyes marmoratus*
4035758381	Mollusca	Gastropoda	Stylommatophora	Hygromiidae			Candidula	*Candidula intersecta*
4035755263	Arthropoda	Insecta	Coleoptera	Chrysomelidae	Galerucinae	Hylaspini	Agelastica	*Agelastica alni*
4035757888	Arthropoda	Insecta	Diptera	Syrphidae	Syrphinae		Chrysotoxum	*Chrysotoxum festivum*
4035731634	Arthropoda	Malacostraca	Amphipoda	Haustoriidae			Haustorius	*Haustorius arenarius*
4035758134	Arthropoda	Insecta	Hemiptera	Pentatomidae	Pentatominae		Aelia	*Aelia acuminata*
4035753525	Arthropoda	Insecta	Coleoptera	Oedemeridae	Oedemerinae	Oedemerini	Oedemera	*Oedemera nobilis*
4035758132	Arthropoda	Insecta	Coleoptera	Oedemeridae	Oedemerinae	Oedemerini	Oedemera	*Oedemera lurida*
4035758140	Arthropoda	Insecta	Diptera	Therevidae	Therevinae		Thereva	*Thereva nobilitata*
4035757889	Arthropoda	Insecta	Diptera	Therevidae	Therevinae		Thereva	*Thereva nobilitata*
4035758100	Arthropoda	Insecta	Hymenoptera	Formicidae	Myrmicinae	Myrmicini	Myrmica	*Myrmica sulcinodis*
14432512	Arthropoda	Insecta	Diptera	Fanniidae			Fannia	*Fannia monilis*
14432513	Arthropoda	Insecta	Diptera	Fanniidae			Fannia	*Fannia armata*
14432520	Arthropoda	Insecta	Diptera	Muscidae	Azeliinae		Hydrotaea	*Hydrotaea armipes*
14432525	Arthropoda	Insecta	Diptera	Fanniidae			Fannia	*Fannia fuscula*
14432528	Arthropoda	Insecta	Diptera	Muscidae	Phaoniinae		Helina	*Helina depuncta*
14432529	Arthropoda	Insecta	Diptera	Rhagionidae	Rhagioninae		Rhagio	*Rhagio scolopaceus*

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14432530	Arthropoda	Insecta	Diptera	Muscidae	Reinwardtiinae		Muscina	*Muscina levida*
14432531	Arthropoda	Insecta	Diptera	Anthomyiidae	Anthomyiinae	Anthomyiini	Hylemya	*Hylemya vagans*
14432497	Arthropoda	Insecta	Diptera	Dolichopodidae	Sympycninae		Anepsiomyia	*Anepsiomyia flaviventris*
14432519	Arthropoda	Insecta	Diptera	Anthomyiidae	Anthomyiinae	Anthomyiini	Hylemya	*Hylemya urbica*
14432522	Arthropoda	Insecta	Diptera	Opomyzidae			Opomyza	*Opomyza germinationis*
14432524	Arthropoda	Insecta	Diptera	Psilidae	Psilinae		Imantimyia	*Imantimyia albiseta*
14432526	Arthropoda	Insecta	Diptera	Rhagionidae	Chrysopilinae		Chrysopilus	*Chrysopilus cristatus*
14432527	Arthropoda	Insecta	Diptera	Scathophagidae	Scathophaginae	Scathophagini	Scathophaga	*Scathophaga stercoraria*
14432532	Arthropoda	Insecta	Diptera	Muscidae	Phaoniinae		Phaonia	*Phaonia valida*
14432511	Arthropoda	Insecta	Diptera	Anthomyiidae	Pegomyinae	Myopinini	Pegoplata	*Pegoplata aestiva*
14432514	Arthropoda	Insecta	Diptera	Tachinidae	Tachininae	Siphonini	Siphona	*Siphona geniculata*
14432515	Arthropoda	Insecta	Hemiptera	Miridae	Mirinae		Acetropis	*Acetropis gimmerthalii*
14432517	Arthropoda	Insecta	Diptera	Hybotidae	Hybotinae	Hybotini	Hybos	*Hybos culiciformis*
14432518	Arthropoda	Insecta	Hemiptera	Miridae	Mirinae		Pithanus	*Pithanus maerkelii*
14432516	Arthropoda	Insecta	Diptera	Sepsidae	Sepsinae		Sepsis	*Sepsis cynipsea*
14432521	Arthropoda	Insecta	Diptera	Lauxaniidae	Lauxaniinae		Minettia	*Minettia fasciata*
14432523	Arthropoda	Insecta	Diptera	Platypezidae	Platypezinae		Lindneromyia	*Lindneromyia dorsalis*
14421605	Arthropoda	Insecta	Diptera	Hybotidae	Tachydromiinae	Tachydromiini	Platypalpus	*Platypalpus pallidiventris*
14421606	Arthropoda	Insecta	Diptera	Dolichopodidae	Dolichopodinae		Gymnopternus	*Gymnopternus metallicus*
14421607	Arthropoda	Insecta	Diptera	Dolichopodidae	Dolichopodinae		Gymnopternus	*Gymnopternus aerosus*

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species
14421608	Arthropoda	Insecta	Diptera	Dolichopodidae	Dolichopodinae		Hercostomus	*Hercostomus nigripennis*
14421609	Arthropoda	Insecta	Diptera	Anthomyiidae	Pegomyinae	Myopinini	Pegoplata	*Pegoplata annulata*
14421610	Arthropoda	Insecta	Diptera	Opomyzidae			Opomyza	*Opomyza petrei*
14421611	Arthropoda	Insecta	Diptera	Lauxaniidae	Lauxaniinae		Sapromyza	*Sapromyza quadripunctata*
14421612	Arthropoda	Insecta	Diptera	Lauxaniidae	Lauxaniinae		Tricholauxania	*Tricholauxania praeusta*
14421613	Arthropoda	Insecta	Diptera	Muscidae	Phaoniinae		Helina	*Helina reversio*
14421614	Arthropoda	Insecta	Diptera	Anthomyiidae	Anthomyiinae	Anthomyiini	Botanophila	*Botanophila fugax*
14421615	Arthropoda	Insecta	Diptera	Dolichopodidae	Dolichopodinae		Dolichopus	*Dolichopus ungulatus*
14421616	Arthropoda	Insecta	Diptera	Dryomyzidae	Dryomyzinae		Dryomyza	*Dryomyza anilis*
14432498	Arthropoda	Insecta	Diptera	Dolichopodidae	Xanthochlorinae		Xanthochlorus	*Xanthochlorus galbanus*
14432499	Arthropoda	Insecta	Diptera	Dolichopodidae	Sympycninae		Campsicnemus	*Campsicnemus curvipes*
14432500	Arthropoda	Insecta	Diptera	Lauxaniidae	Lauxaniinae		Meiosimyza	*Meiosimyza rorida*
14432502	Arthropoda	Insecta	Diptera	Empididae	Clinocerinae		Clinocera	*Clinocera stagnalis*
14432503	Arthropoda	Insecta	Diptera	Empididae	Empidinae	Empidini	Rhamphomyia	*Rhamphomyia flava*
14432504	Arthropoda	Insecta	Diptera	Anthomyiidae	Pegomyinae	Pegomyini	Paradelia	*Paradelia intersecta*
14432505	Arthropoda	Insecta	Diptera	Dolichopodidae	Diaphorinae		Chrysotus	*Chrysotus neglectus*
14432506	Arthropoda	Insecta	Diptera	Fanniidae			Fannia	*Fannia similis*
14432507	Arthropoda	Insecta	Diptera	Dolichopodidae	Sciapodinae		Sciapus	*Sciapus platypterus*
14432509	Arthropoda	Insecta	Diptera	Dolichopodidae	Dolichopodinae		Gymnopternus	*Gymnopternus celer*
14432510	Arthropoda	Insecta	Diptera	Dolichopodidae	Dolichopodinae		Dolichopus	*Dolichopus simplex*

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species
14432501	Arthropoda	Insecta	Diptera	Lauxaniidae	Lauxaniinae		Meiosimyza	*Meiosimyza decipiens*
14432508	Arthropoda	Insecta	Diptera	Lauxaniidae	Lauxaniinae		Meiosimyza	*Meiosimyza illota*

Project:ANBIO - Specimen details

Sample ID	Sex	Sample ID	Sex	Sample ID	Sex	Sample ID	Sex	Sample ID	Sex	Sample ID	Sex	Sample ID	Sex
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4038077351		014035343		014035426		014035405		014035423		4038080519		014041385	
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4038080295		014035362		014035318		4022671646		4038080270		4038080271		4035755225	
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Sample ID	Sex	Sample ID	Sex	Sample ID	Sex	Sample ID	Sex	Sample ID	Sex	Sample ID	Sex	Sample ID	Sex
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4038080596		4035754295		014035357		4035753608		4034488644		4035731676		014432518	F
4035755249		4035754290		014035430		4035753612		4035758372		4035758140		014432516	M
4035755250		4035754300		014035369		4035753568		4035758373		4035753521		014432521	F
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4035755255		4035754293		014035433		4035753577		4035755263		014432513	F	014421613	
4035755256		4035754297		4034488614		4035753593		4035753523		014432520	M	014421614	M
4035755254		4035754296		4035753594		4035753609		4035757890		014432525	M	014421615	
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Project:ANBIO - Collection data

Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
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Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
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Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
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4038077344	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.585	-3.078
4038077337	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 39	53.584	-3.073
4038077338	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.583	-3.08
4022671646	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 39	53.584	-3.073
4038077342	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 39	53.584	-3.073
4038077315	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.591	-3.054
4038077323	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.591	-3.054
4038077314	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.591	-3.054
4038077330	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4038077340	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4038077341	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4038077308	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4038077336	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4038077332	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014035437	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035436	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035440	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035446	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057

Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
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014035372	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035376	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035375	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035432	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035434	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035448	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035447	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035445	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035439	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035423	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035441	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035371	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
4038080268	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080269	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080270	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080255	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080240	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080246	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4035758136	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035758135	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4038080260	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080261	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064

Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
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4038080247	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080520	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080238	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4035758138	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.053
4035758129	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4038080252	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080253	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080254	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080239	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080265	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080272	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4035758137	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755262	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Beach	53.579	-3.092
4038080244	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080245	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080518	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080519	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080257	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064

Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
4038080248	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4035758139	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.053
4035753520	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
4038080271	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080236	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080237	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080264	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080249	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080273	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4035757120	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.616	-3.049
4035731666	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.091
4038080516	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080517	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080263	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080256	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080241	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Pine Forest Edge	53.59	-3.064
4038080251	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.057
4038080652	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.598	-3.067
4035731642	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.092
4035758131	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4035758128	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061

Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
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014041387	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014041388	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014041392	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014041390	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014041389	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014041391	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014041385	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
4035758096	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.059
4035758097	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.06
4035758098	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.06
4035755200	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755225	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755201	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755217	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755218	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755219	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755224	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755209	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755244	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755211	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755202	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755210	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755207	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755208	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035755213	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4038080604	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.59	-3.064
4038080605	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.59	-3.064
4038080606	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.59	-3.064

Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
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4038080608	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.59	-3.064
4038080609	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.59	-3.064
4038080610	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.59	-3.064
4038080611	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.59	-3.064
4038080596	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.59	-3.064
4035755249	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4035755250	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4035758082	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4035758083	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4035758084	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4035758085	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4038080597	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.058
4035755257	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4035755252	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4035755251	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4035755248	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4035755255	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4035755256	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4035755254	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4035731640	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.569	-3.075
4035731663	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.569	-3.075
4035731664	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.569	-3.075
4035731656	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.569	-3.075
4035731672	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.591	-3.074
4035731633	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.569	-3.075
4035754335	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.057
4035754329	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.057
4035754330	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056

Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
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4035754334	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 49	53.59	-3.074
4035754331	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 49	53.59	-3.074
4035754317	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 49	53.59	-3.074
4035754318	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 49	53.59	-3.074
4035729617	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 49	53.59	-3.074
4035754295	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 49	53.59	-3.074
4035754290	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 49	53.59	-3.074
4035754300	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 49	53.59	-3.074
4035754294	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 49	53.59	-3.074
4035754301	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 49	53.59	-3.074
4035754299	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 49	53.59	-3.074
4035754302	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.59	-3.072
4035755253	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4035755258	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 49	53.59	-3.074
4035755259	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 49	53.59	-3.074
4035755242	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.596	-3.063
4035755205	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.596	-3.063
4035754293	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.59	-3.072
4035754297	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.59	-3.072
4035754296	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 49	53.59	-3.074
4035758086	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4035758088	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4035758089	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4035758090	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4035758093	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.059
014035370	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035359	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035383	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057

Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
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014035382	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035393	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035388	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035411	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035355	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
4038077343	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014035357	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035430	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035369	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035408	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035391	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035395	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035438	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
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014035442	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035416	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035422	01-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035336	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
014035433	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.057
4034488614	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035753594	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4034488628	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4034488654	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.596	-3.063
4035729631	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.058
4035753584	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4038078183	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.596	-3.063
4035753578	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035754289	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.59	-3.072

Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
4038078176	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.596	-3.063
4034488636	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.596	-3.063
4035753592	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035755260	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4034488612	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4034488620	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4034488645	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.596	-3.063
4034488652	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.048
4035753608	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035753612	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.584	-3.072
4035753568	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035753579	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.584	-3.072
4034488613	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035753570	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035753576	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035753610	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035754298	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
4035753603	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.584	-3.072
4035753595	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.584	-3.072
4035753585	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035753577	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035753593	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035753609	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035753569	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035753602	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035753600	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035753601	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.587	-3.062
4035753571	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.584	-3.072
4035755261	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056

Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
4035731665	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.092
4035731673	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.092
4035731657	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.094
4035731649	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.094
4035731650	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.091
4035731658	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.091
4035758368	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.584	-3.076
4035758369	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.584	-3.076
4035758370	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.584	-3.076
4034488644	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035758372	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.584	-3.076
4035758373	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.584	-3.076
4035754288	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.058
4035758375	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.583	-3.079
4035758376	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.583	-3.081
4035758377	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.583	-3.081
4038078179	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4038077804	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.596	-3.063
4035731632	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.59	-3.059
4034488653	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.596	-3.063
4035758381	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.584	-3.076
4035755263	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035753523	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.585	-3.076
4035757890	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.585	-3.078
4035757888	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.585	-3.078
4035731634	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.092
4035731674	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.091
4035753522	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.585	-3.076
4035731659	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.095

Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
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4035731667	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.095
4035753528	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.585	-3.077
4035731675	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.095
4035758134	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4035753527	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.585	-3.077
4035729082	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.091
4035753525	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.585	-3.076
4035758132	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4035731676	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.095
4035758140	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.055
4035753521	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.585	-3.076
4035753529	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.585	-3.077
4035757889	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.585	-3.078
4035758133	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.586	-3.061
4035753530	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.585	-3.077
4035731635	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.579	-3.091
4035753526	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.585	-3.077
4035753524	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale Slack 13	53.585	-3.076
4035758100	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.06
014432512	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432513	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432520	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432525	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432528	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432529	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432530	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432531	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056

Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
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014432519	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432522	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432524	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432526	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432527	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432532	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432511	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432514	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432515	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432517	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432518	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432516	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432521	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432523	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014421605	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014421606	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014421607	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014421608	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014421609	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014421610	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014421611	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014421612	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014421613	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014421614	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014421615	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014421616	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432498	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432499	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056

Sample ID	Collection Date	Country/Ocean	State/Province	Region	Exact Site	Lat	Lon
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014432503	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432504	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432505	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432506	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432507	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432509	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432510	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.592	-3.056
014432501	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056
014432508	02-Jul-2019	United Kingdom	England	Merseyside	Ainsdale NNR	53.593	-3.056

Appendix 3 – Project FBUK

Project FBUK – Voucher info

Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
014420679	014420679	014420679	NHMUK	Natural History Museum, London
013268861	013268861	013268861	NHMUK	Natural History Museum, London
013265598	013265598	013265598	NHMUK	Natural History Museum, London
013268520	013268520	013268520	NHMUK	Natural History Museum, London
014420640	014420640	014420640	NHMUK	Natural History Museum, London
014420677	014420677	014420677	NHMUK	Natural History Museum, London
013269088	013269088	013269088	NHMUK	Natural History Museum, London
013265623	013265623	013265623	NHMUK	Natural History Museum, London
013265261	013265261	013265261	NHMUK	Natural History Museum, London
013269268	013269268	013269268	NHMUK	Natural History Museum, London
013265146	013265146	013265146	NHMUK	Natural History Museum, London
013573421	013573421	013573421	NHMUK	Natural History Museum, London
013268514	013268514	013268514	NHMUK	Natural History Museum, London
013269079	013269079	013269079	NHMUK	Natural History Museum, London
013391455	013391455	013391455	NHMUK	Natural History Museum, London
013264588	013264588	013264588	NHMUK	Natural History Museum, London
013266377	013266377	013266377	NHMUK	Natural History Museum, London
014420685	014420685	014420685	NHMUK	Natural History Museum, London
014420671	014420671	014420671	NHMUK	Natural History Museum, London
013265649	013265649	013265649	NHMUK	Natural History Museum, London
013265595	013265595	013265595	NHMUK	Natural History Museum, London
013266173	013266173	013266173	NHMUK	Natural History Museum, London
013573313	013573313	013573313	NHMUK	Natural History Museum, London
014421122	014421122	014421122	NHMUK	Natural History Museum, London
014421119	014421119	014421119	NHMUK	Natural History Museum, London
013266417	013266417	013266417	NHMUK	Natural History Museum, London
014421126	014421126	014421126	NHMUK	Natural History Museum, London
013571495	013571495	013571495	NHMUK	Natural History Museum, London
013265616	013265616	013265616	NHMUK	Natural History Museum, London
013571510	013571510	013571510	NHMUK	Natural History Museum, London
013571272	013571272	013571272	NHMUK	Natural History Museum, London
013266121	013266121	013266121	NHMUK	Natural History Museum, London
014420661	014420661	014420661	NHMUK	Natural History Museum, London
013268570	013268570	013268570	NHMUK	Natural History Museum, London
013571474	013571474	013571474	NHMUK	Natural History Museum, London
013268852	013268852	013268852	NHMUK	Natural History Museum, London
013269537	013269537	013269537	NHMUK	Natural History Museum, London
013266304	013266304	013266304	NHMUK	Natural History Museum, London
013573424	013573424	013573424	NHMUK	Natural History Museum, London
013265596	013265596	013265596	NHMUK	Natural History Museum, London

Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
013268507	013268507	013268507	NHMUK	Natural History Museum, London
013391490	013391490	013391490	NHMUK	Natural History Museum, London
013265661	013265661	013265661	NHMUK	Natural History Museum, London
013265613	013265613	013265613	NHMUK	Natural History Museum, London
014421120	014421120	014421120	NHMUK	Natural History Museum, London
013266143	013266143	013266143	NHMUK	Natural History Museum, London
013265607	013265607	013265607	NHMUK	Natural History Museum, London
013571505	013571505	013571505	NHMUK	Natural History Museum, London
014420664	014420664	014420664	NHMUK	Natural History Museum, London
013266219	013266219	013266219	NHMUK	Natural History Museum, London
014420652	014420652	014420652	NHMUK	Natural History Museum, London
013269264	013269264	013269264	NHMUK	Natural History Museum, London
013391466	013391466	013391466	NHMUK	Natural History Museum, London
013265600	013265600	013265600	NHMUK	Natural History Museum, London
013265621	013265621	013265621	NHMUK	Natural History Museum, London
013268563	013268563	013268563	NHMUK	Natural History Museum, London
014421142	014421142	014421142	NHMUK	Natural History Museum, London
013269558	013269558	013269558	NHMUK	Natural History Museum, London
013573269	013573269	013573269	NHMUK	Natural History Museum, London
013267363	013267363	013267363	NHMUK	Natural History Museum, London
013571374	013571374	013571374	NHMUK	Natural History Museum, London
013265611	013265611	013265611	NHMUK	Natural History Museum, London
014420641	014420641	014420641	NHMUK	Natural History Museum, London
013391414	013391414	013391414	NHMUK	Natural History Museum, London
013265663	013265663	013265663	NHMUK	Natural History Museum, London
013268592	013268592	013268592	NHMUK	Natural History Museum, London
013269525	013269525	013269525	NHMUK	Natural History Museum, London
013573318	013573318	013573318	NHMUK	Natural History Museum, London
014420657	014420657	014420657	NHMUK	Natural History Museum, London
013266216	013266216	013266216	NHMUK	Natural History Museum, London
013269263	013269263	013269263	NHMUK	Natural History Museum, London
013391140	013391140	013391140	NHMUK	Natural History Museum, London
013269080	013269080	013269080	NHMUK	Natural History Museum, London
013265642	013265642	013265642	NHMUK	Natural History Museum, London
013265632	013265632	013265632	NHMUK	Natural History Museum, London
013265599	013265599	013265599	NHMUK	Natural History Museum, London
013265617	013265617	013265617	NHMUK	Natural History Museum, London
013265648	013265648	013265648	NHMUK	Natural History Museum, London
013265655	013265655	013265655	NHMUK	Natural History Museum, London
014420662	014420662	014420662	NHMUK	Natural History Museum, London
013264621	013264621	013264621	NHMUK	Natural History Museum, London
014420663	014420663	014420663	NHMUK	Natural History Museum, London
014420669	014420669	014420669	NHMUK	Natural History Museum, London
014421137	014421137	014421137	NHMUK	Natural History Museum, London
011250097	011250097	011250097	NHMUK	Natural History Museum, London

Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
013265609	013265609	013265609	NHMUK	Natural History Museum, London
014420656	014420656	014420656	NHMUK	Natural History Museum, London
014420658	014420658	014420658	NHMUK	Natural History Museum, London
014420653	014420653	014420653	NHMUK	Natural History Museum, London
014421134	014421134	014421134	NHMUK	Natural History Museum, London
014421129	014421129	014421129	NHMUK	Natural History Museum, London
014421991	014421991	014421991	NHMUK	Natural History Museum, London
014422014	014422014	014422014	NHMUK	Natural History Museum, London
013708127	013708127	013708127	NHMUK	Natural History Museum, London
013708126	013708126	013708126	NHMUK	Natural History Museum, London
014421983	014421983	014421983	NHMUK	Natural History Museum, London
014421589	014421589	014421589	NHMUK	Natural History Museum, London
014421600	014421600	014421600	NHMUK	Natural History Museum, London
013266046	013266046	013266046	NHMUK	Natural History Museum, London
014422015	014422015	014422015	NHMUK	Natural History Museum, London
014422017	014422017	014422017	NHMUK	Natural History Museum, London
014422016	014422016	014422016	NHMUK	Natural History Museum, London
013266045	013266045	013266045	NHMUK	Natural History Museum, London
014432496	014432496	014432496	NHMUK	Natural History Museum, London
014422001	014422001	014422001	NHMUK	Natural History Museum, London
014422002	014422002	014422002	NHMUK	Natural History Museum, London
014422003	014422003	014422003	NHMUK	Natural History Museum, London
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014421104	014421104	014421104	NHMUK	Natural History Museum, London
014421105	014421105	014421105	NHMUK	Natural History Museum, London
014421988	014421988	014421988	NHMUK	Natural History Museum, London
014421989	014421989	014421989	NHMUK	Natural History Museum, London
014421990	014421990	014421990	NHMUK	Natural History Museum, London

Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
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014422011	014422011	014422011	NHMUK	Natural History Museum, London
014422007	014422007	014422007	NHMUK	Natural History Museum, London
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014422010	014422010	014422010	NHMUK	Natural History Museum, London
014422006	014422006	014422006	NHMUK	Natural History Museum, London
014422005	014422005	014422005	NHMUK	Natural History Museum, London
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014421984	014421984	014421984	NHMUK	Natural History Museum, London
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Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
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Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
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Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
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Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
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Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
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013266369	013266369	013266369	NHMUK	Natural History Museum, London
013265647	013265647	013265647	NHMUK	Natural History Museum, London

Project FBUK – Taxonomy

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14420679	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Sigara	*Sigara fossarum*	
13268861	Mollusca	Bivalvia	Sphaeriida	Sphaeriidae			Sphaerium	*Sphaerium corneum*	
13265598	Arthropoda	Insecta	Plecoptera	Chloroperlidae	Chloroperlinae		Siphonoperla	*Siphonoperla torrentium*	
13268520	Arthropoda	Insecta	Diptera	Ptychopteridae	Ptychopterinae		Ptychoptera	*Ptychoptera minuta*	
14420640	Arthropoda	Insecta	Coleoptera	Helophoridae			Helophorus	*Helophorus minutus*	
14420677	Arthropoda	Insecta	Plecoptera	Taeniopterygidae	Brachypterainae		Brachyptera	*Brachyptera risi*	
13269088	Arthropoda	Insecta	Ephemeroptera	Ameletidae			Ameletus	*Ameletus inopinatus*	
13265623	Arthropoda	Insecta	Trichoptera	Limnephilidae	Drusinae		Drusus	*Drusus annulatus*	
13265261	Arthropoda	Insecta	Odonata	Coenagrionidae	Coenagrioninae		Pyrrhosoma	*Pyrrhosoma nymphula*	
13269268	Arthropoda	Insecta	Trichoptera	Hydropsychidae	Hydropsychinae		Hydropsyche	*Hydropsyche contubernalis*	
13265146	Arthropoda	Insecta	Trichoptera	Hydroptilidae	Hydroptilinae		Agraylea	*Agraylea multipunctata*	
13573421	Arthropoda	Insecta	Odonata	Libellulidae	Libellulinae		Orthetrum	*Orthetrum coerulescens*	
13268514	Arthropoda	Insecta	Diptera	Thaumaleidae			Thaumalea	*Thaumalea testacea*	
13269079	Arthropoda	Insecta	Diptera	Simuliidae	Simuliinae	Simuliini	Simulium	*Simulium cryophilum*	
13391455	Arthropoda	Insecta	Coleoptera	Dytiscidae	Agabinae	Agabini	Agabus	*Agabus affinis*	
13264588	Arthropoda	Insecta	Odonata	Aeshnidae	Aeshninae		Aeshna	*Aeshna grandis*	
13266377	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Hydrophilinae	Berosini	Berosus	*Berosus affinis*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14420685	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Sigara	*Sigara dorsalis*	
14420671	Arthropoda	Insecta	Trichoptera	Odontoceridae	Odontocerinae		Odontocerum	*Odontocerum albicorne*	
13265649	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Nectoporus	*Nectoporus sanmarkii*	
13265595	Arthropoda	Insecta	Trichoptera	Sericostomatidae			Sericostoma	*Sericostoma personatum*	
13266173	Arthropoda	Insecta	Diptera	Athericidae	Athericinae		Atherix	*Atherix ibis*	
13573313	Arthropoda	Insecta	Coleoptera	Dytiscidae	Agabinae	Agabini	Platambus	*Platambus maculatus*	
14421122	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Chaetarthriinae	Anacaenini	Anacaena	*Anacaena lutescens*	
14421119	Arthropoda	Insecta	Coleoptera	Staphylinidae	Steninae		Dianous	*Dianous coerulescens*	
13266417	Arthropoda	Insecta	Coleoptera	Elmidae	Elminae		Stenelmis	*Stenelmis canaliculata*	
14421126	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Hydroporus	*Hydroporus pubescens*	
13571495	Arthropoda	Insecta	Coleoptera	Dytiscidae	Agabinae	Agabini	Agabus	*Agabus didymus*	
13265616	Arthropoda	Malacostraca	Amphipoda	Gammaridae			Gammarus	*Gammarus pulex*	
13571510	Mollusca	Gastropoda	Hygrophila	Lymnaeidae			Radix	*Radix auricularia*	
13571272	Arthropoda	Insecta	Coleoptera	Dytiscidae	Colymbetinae	Colymbetini	Colymbetes	*Colymbetes fuscus*	
13266121	Arthropoda	Insecta	Plecoptera	Taeniopterygidae	Brachypterainae		Brachyptera	*Brachyptera putata*	
14420661	Arthropoda	Insecta	Odonata	Coenagrionidae	Pseudagrioninae		Ceriagrion	*Ceriagrion tenellum*	
13268570	Arthropoda	Malacostraca	Amphipoda	Gammaridae			Gammarus	*Gammarus fossarum*	
13571474	Arthropoda	Insecta	Coleoptera	Chrysomelidae	Donaciinae		Donacia	*Donacia clavipes*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
13268852	Arthropoda	Insecta	Trichoptera	Hydropsychidae	Hydropsychinae		Cheumatopsyche	*Cheumatopsyche lepida*	
13269537	Arthropoda	Insecta	Trichoptera	Hydropsychidae	Hydropsychinae		Hydropsyche	*Hydropsyche angustipennis*	
13266304	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Paracorixa	*Paracorixa concinna*	
13573424	Arthropoda	Insecta	Ephemeroptera	Heptageniidae	Ecdyonurinae		Ecdyonurus	*Ecdyonurus dispar*	
13265596	Arthropoda	Insecta	Plecoptera	Nemouridae	Amphinemurinae		Amphinemura	*Amphinemura sulcicollis*	
13268507	Arthropoda	Insecta	Trichoptera	Hydropsychidae	Hydropsychinae		Hydropsyche	*Hydropsyche fulvipes*	
13391490	Arthropoda	Insecta	Hemiptera	Nepidae	Ranatrinae		Ranatra	*Ranatra linearis*	
13265661	Arthropoda	Insecta	Plecoptera	Nemouridae	Nemourinae		Nemoura	*Nemoura avicularis*	
13265613	Arthropoda	Insecta	Trichoptera	Philopotamidae	Philopotaminae		Philopotamus	*Philopotamus montanus*	
14421120	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Hydroporus	*Hydroporus tessellatus*	
13266143	Arthropoda	Insecta	Plecoptera	Perlidae	Perlinae		Perla	*Perla bipunctata*	
13265607	Arthropoda	Insecta	Ephemeroptera	Baetidae	Baetinae		Baetis	*Baetis muticus*	
13571505	Mollusca	Gastropoda		Planorbidae			Anisus	*Anisus vortex*	
14420664	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Hydroporus	*Hydroporus gyllenhalii*	
13266219	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Limnephilus	*Limnephilus marmoratus*	
14420652	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hygrotini	Hygrotus	*Hygrotus confluens*	
13269264	Annelida	Clitellata	Rhynchobdellida	Glossiphoniidae			Hemiclepsis	*Hemiclepsis marginata*	
13391466	Arthropoda	Insecta	Coleoptera	Hydraenidae	Hydraeninae		Limnebius	*Limnebius truncatellus*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
13265600	Arthropoda	Insecta	Ephemeroptera	Heptageniidae	Rhithrogeniinae		Rhithrogena	*Rhithrogena semicolorata*	
13265621	Arthropoda	Insecta	Trichoptera	Hydropsychidae	Hydropsychinae		Hydropsyche	*Hydropsyche instabilis*	
13268563	Arthropoda	Insecta	Coleoptera	Elmidae	Elminae		Riolus	*Riolus subviolaceus*	
14421142	Arthropoda	Insecta	Coleoptera	Helophoridae			Helophorus	*Helophorus griseus*	
13269558	Arthropoda	Insecta	Trichoptera	Molannidae			Molanna	*Molanna angustata*	
13573269	Arthropoda	Insecta	Trichoptera	Polycentropodidae	Polycentropodinae		Cyrnus	*Cyrnus flavidus*	
13267363	Annelida	Clitellata	Rhynchobdellida	Glossiphoniidae			Theromyzon	*Theromyzon tessulatum*	
13571374	Arthropoda	Insecta	Coleoptera	Dytiscidae	Agabinae	Agabini	Agabus	*Agabus bipustulatus*	
13265611	Arthropoda	Insecta	Coleoptera	Elmidae	Elminae		Esolus	*Esolus parallelepipedus*	
14420641	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hygrotini	Hygrotus	*Hygrotus impressopunctatus*	
13391414	Arthropoda	Insecta	Diptera	Muscidae	Coenosiinae	Limnophorini	Limnophora	*Limnophora riparia*	
13265663	Arthropoda	Insecta	Ephemeroptera	Caenidae	Caeninae		Caenis	*Caenis rivulorum*	
13268592	Mollusca	Gastropoda	Littorinimorpha	Bithyniidae			Bithynia	*Bithynia leachii*	
13269525	Arthropoda	Insecta	Trichoptera	Glossosomatidae	Agapetinae		Agapetus	*Agapetus fuscipes*	
13573318	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Melampophylax	*Melampophylax mucoreus*	
14420657	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Hesperocorixa	*Hesperocorixa sahlbergi*	
13266216	Mollusca	Gastropoda	Littorinimorpha	Bithyniidae			Bithynia	*Bithynia tentaculata*	
13269263	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Micropterna	*Micropterna lateralis*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
13391140	Arthropoda	Insecta	Ephemeroptera	Heptageniidae	Heptageniinae		Kageronia	*Kageronia fuscogrisea*	
13269080	Arthropoda	Insecta	Coleoptera	Dytiscidae	Agabinae	Agabini	Agabus	*Agabus paludosus*	
13265642	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Halesus	*Halesus radiatus*	
13265632	Arthropoda	Insecta	Megaloptera	Sialidae	Sialinae		Sialis	*Sialis fuliginosa*	
13265599	Arthropoda	Insecta	Coleoptera	Elmidae	Elminae		Limnius	*Limnius volckmari*	
13265617	Arthropoda	Insecta	Ephemeroptera	Heptageniidae	Ecdyonurinae		Ecdyonurus	*Ecdyonurus venosus*	
13265648	Arthropoda	Insecta	Coleoptera	Gyrinidae	Gyrininae	Gyrinini	Gyrinus	*Gyrinus substriatus*	
13265655	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Sigara	*Sigara distincta*	
14420662	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Hydroporus	*Hydroporus nigrita*	
13264621	Arthropoda	Insecta	Hemiptera	Notonectidae	Notonectinae		Notonecta	*Notonecta viridis*	
14420663	Arthropoda	Insecta	Coleoptera	Helophoridae			Helophorus	*Helophorus flavipes*	
14420669	Arthropoda	Insecta	Coleoptera	Haliplidae			Haliplus	*Haliplus sibiricus*	
14421137	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Sphaeridiinae	Megasternini	Cercyon	*Cercyon marinus*	
11250097	Arthropoda	Malacostraca	Amphipoda	Gammaridae			Gammarus	*Gammarus lacustris*	
13265609	Arthropoda	Insecta	Coleoptera	Gyrinidae	Gyrininae	Orectochilini	Orectochilus	*Orectochilus villosus*	
14420656	Arthropoda	Insecta	Coleoptera	Dytiscidae	Agabinae	Agabini	Agabus	*Agabus nebulosus*	
14420658	Arthropoda	Insecta	Plecoptera	Nemouridae	Nemourinae		Nemoura	*Nemoura erratica*	
14420653	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hyphydrini	Hyphydrus	*Hyphydrus ovatus*	

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14421134	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Limnephilus	*Limnephilus centralis*	
14421129	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Enochrinae		Cymbiodyta	*Cymbiodyta marginella*	
14421991	Arthropoda	Branchiopoda	Anomopoda	Daphniidae			Daphnia	*Daphnia atkinsoni*	
14422014	Arthropoda	Insecta	Ephemeroptera	Baetidae	Baetinae		Baetis	*Baetis atlanticus*	
13708127	Arthropoda	Insecta	Megaloptera	Sialidae	Sialinae		Sialis	*Sialis nigripes*	
13708126	Arthropoda	Insecta	Odonata	Cordulegastridae	Cordulegastrinae		Cordulegaster	*Cordulegaster boltonii*	
14421983	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Hydroporus	*Hydroporus palustris*	
14421589	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hygrotini	Hygrotus	*Hygrotus versicolor*	
14421600	Arthropoda	Insecta	Ephemeroptera	Baetidae	Baetinae		Baetis	*Baetis vernus*	
13266046	Arthropoda	Insecta	Plecoptera	Taeniopterygidae	Taeniopteriginae		Taeniopteryx	*Taeniopteryx nebulosa*	*Taeniopteryx nebulosa nebulosa*
14422015	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Limnephilus	*Limnephilus politus*	
14422017	Arthropoda	Insecta	Ephemeroptera	Siphlonuridae			Siphlonurus	*Siphlonurus aestivalis*	
14422016	Arthropoda	Insecta	Trichoptera	Leptoceridae	Leptocerinae		Ceraclea	*Ceraclea nigronervosa*	
13266045	Arthropoda	Insecta	Plecoptera	Taeniopterygidae	Taeniopteriginae		Taeniopteryx	*Taeniopteryx nebulosa*	*Taeniopteryx nebulosa britannica*
14432496	Arthropoda	Insecta	Ephemeroptera	Siphlonuridae			Siphlonurus	*Siphlonurus lacustris*	
14422001	Arthropoda	Insecta	Coleoptera	Haliplidae			Haliplus	*Haliplus lineatocollis*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14422002	Arthropoda	Insecta	Diptera	Simuliidae	Simuliinae	Simuliini	Simulium	*Simulium lundstromi*	
14422003	Arthropoda	Insecta	Diptera	Simuliidae	Simuliinae	Simuliini	Simulium		
14422004	Arthropoda	Insecta	Diptera	Simuliidae	Simuliinae	Simuliini	Simulium	*Simulium equinum*	
14421572	Arthropoda	Insecta	Coleoptera	Cryptophagidae	Cryptophaginae		Telmatophilus	*Telmatophilus caricis*	
14421573	Arthropoda	Insecta	Coleoptera	Cryptophagidae	Cryptophaginae		Telmatophilus	*Telmatophilus typhae*	
14421574	Arthropoda	Insecta	Coleoptera	Cryptophagidae	Cryptophaginae		Telmatophilus	*Telmatophilus schoenherrii*	
14421575	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Enochrinae		Enochrus	*Enochrus affinis*	
14421576	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Acidocerinae		Helochares	*Helochares punctatus*	
14421577	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Hydroporus	*Hydroporus obscurus*	
14421578	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Hydroporus	*Hydroporus tristis*	
14421579	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Enochrinae		Enochrus	*Enochrus coarctatus*	
14421580	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Sphaeridiinae	Coelostomatini	Coelostoma	*Coelostoma orbiculare*	
14421581	Arthropoda	Insecta	Coleoptera	Gyrinidae	Gyrininae	Gyrinini	Gyrinus	*Gyrinus suffriani*	
14421582	Arthropoda	Insecta	Hemiptera	Hebridae	Hebrinae		Hebrus	*Hebrus ruficeps*	
14421599	Arthropoda	Insecta	Coleoptera	Chrysomelidae	Donaciinae		Donacia	*Donacia vulgaris*	
14421588	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Hydroporus	*Hydroporus planus*	
14421584	Arthropoda	Insecta	Coleoptera	Scirtidae	Scirtinae		Contacyphon	*Contacyphon padi*	
14421586	Arthropoda	Insecta	Diptera	Chaoboridae	Chaoborinae		Chaoborus	*Chaoborus crystallinus*	

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14421587	Arthropoda	Insecta	Coleoptera	Coccinellidae	Coccinellinae	Coccinellini	Anisosticta	*Anisosticta novemdecimpunctata*	
14421103	Arthropoda	Ostracoda	Podocopida	Cyprididae	Cyprinotinae		Heterocypris	*Heterocypris incongruens*	
14421104	Arthropoda	Ostracoda	Podocopida	Cyprididae	Cypridopsinae		Cypridopsis	*Cypridopsis vidua*	
14421105	Arthropoda	Ostracoda	Podocopida	Cyprididae			Herpetocypris	*Herpetocypris chevreuxi*	
14421988	Arthropoda	Branchiopoda	Anomopoda	Daphniidae			Daphnia	*Daphnia obtusa*	
14421989	Arthropoda	Branchiopoda	Anomopoda	Daphniidae			Daphnia	*Daphnia curvirostris*	
14421990	Arthropoda	Branchiopoda	Anomopoda	Daphniidae			Simocephalus	*Simocephalus vetulus*	
14421992	Arthropoda	Branchiopoda	Anomopoda	Daphniidae			Daphnia	*Daphnia pulex*	
14421993	Arthropoda	Branchiopoda	Anomopoda	Daphniidae			Simocephalus	*Simocephalus serrulatus*	
14421994	Arthropoda	Branchiopoda	Anomopoda	Eurycercidae			Eurycercus	*Eurycercus lamellatus*	
14421995	Arthropoda	Ostracoda	Podocopida	Cyprididae	Eucypridinae		Eucypris	*Eucypris virens*	
14421996	Arthropoda	Ostracoda	Podocopida	Notodromadidae			Notodromas	*Notodromas monacha*	
14421997	Arthropoda	Ostracoda	Podocopida	Cyprididae			Bradleystrandesia	*Bradleystrandesia fuscata*	
14421593	Arthropoda	Branchiopoda	Anomopoda	Chydoridae	Chydorinae		Pleuroxus	*Pleuroxus truncatus*	
14421594	Arthropoda	Branchiopoda	Anomopoda	Daphniidae			Daphnia	*Daphnia magna*	
14421595	Arthropoda	Branchiopoda	Anomopoda	Moinidae			Moina	*Moina macrocopa*	
14421596	Arthropoda	Branchiopoda	Anomopoda	Daphniidae			Simocephalus	*Simocephalus exspinosus*	
14421597	Arthropoda	Ostracoda	Podocopida	Candonidae			Cyclocypris	*Cyclocypris ovum*	

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14422011	Annelida	Clitellata	Arhynchobdellida	Erpobdellidae	Erpobdellinae		Erpobdella	*Erpobdella testacea*	
14422007	Mollusca	Bivalvia	Sphaeriida	Sphaeriidae			Pisidium	*Pisidium subtruncatum*	
14422008	Mollusca	Gastropoda	Triganglionata	Valvatidae			Valvata	*Valvata piscinalis*	
14422009	Mollusca	Gastropoda		Planorbidae			Hippeutis	*Hippeutis complanatus*	
14422010	Mollusca	Gastropoda	Pulmonata	Acroloxidae			Acroloxus	*Acroloxus lacustris*	
14422006	Mollusca	Gastropoda		Planorbidae			Bathyomphalus	*Bathyomphalus contortus*	
14422005	Mollusca	Bivalvia	Sphaeriida	Sphaeriidae			Pisidium	*Pisidium supinum*	
14422000	Mollusca	Gastropoda		Planorbidae			Anisus	*Anisus leucostoma*	
14421998	Cnidaria	Hydrozoa	Anthoathecata	Hydridae			Hydra	*Hydra viridissima*	
14421999	Mollusca	Gastropoda		Physidae			Aplexa	*Aplexa hypnorum*	
14421984	Mollusca	Gastropoda	Littorinimorpha	Assimineidae	Assimineinae		Assiminea	*Assiminea grayana*	
14421985	Annelida	Polychaeta	Phyllodocida	Nereididae	Nereidinae		Hediste	*Hediste diversicolor*	
14421603	Arthropoda	Malacostraca	Amphipoda	Gammaridae			Dikerogammarus	*Dikerogammarus haemobaphes*	
14421986	Mollusca	Gastropoda		Planorbidae	Planorbinae		Gyraulus	*Gyraulus crista*	
14421987	Mollusca	Bivalvia	Venerida	Cyrenidae			Corbicula	*Corbicula fluminea*	
14421591	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae		Brillia	*Brillia flavifrons*	
14421592	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiinae		Chelicorophium	*Chelicorophium curvispinum*	
14421604	Arthropoda	Insecta	Ephemeroptera	Ephemerellidae	Ephemerellinae		Ephemerella	*Ephemerella notata*	

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14421583	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Chaetarthriinae	Chaetharthriini	Chaetarthria	*Chaetarthria simillima*	
14421590	Arthropoda	Insecta	Trichoptera	Hydroptilidae	Orthotrichiinae		Ithytrichia	*Ithytrichia lamellaris*	
14421602	Arthropoda	Insecta	Diptera	Ptychopteridae	Ptychopterinae		Ptychoptera	*Ptychoptera contaminata*	
14422021	Mollusca	Bivalvia	Sphaeriida	Sphaeriidae			Pisidium	*Pisidium amnicum*	
14422013	Arthropoda	Insecta	Coleoptera	Gyrinidae	Gyrininae	Gyrinini	Gyrinus	*Gyrinus paykulli*	
14422020	Arthropoda	Insecta	Diptera	Simuliidae	Simuliinae	Simuliini	Simulium	*Simulium vernum*	
14422018	Arthropoda	Insecta	Trichoptera	Beraeidae			Beraeodes	*Beraeodes minutus*	
14422012	Arthropoda	Insecta	Coleoptera	Chrysomelidae	Donaciinae		Donacia	*Donacia marginata*	
14432483	Arthropoda	Insecta	Coleoptera	Chrysomelidae	Chrysomelinae		Phaedon	*Phaedon armoraciae*	
14432484	Arthropoda	Insecta	Trichoptera	Leptoceridae	Leptocerinae		Triaenodes	*Triaenodes bicolor*	
14422022	Arthropoda	Insecta	Diptera	Tipulidae	Tipulinae		Tipula	*Tipula montium*	*Tipula montium montium*
14432480	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Hydatophylax	*Hydatophylax infumatus*	
14432481	Arthropoda	Insecta	Hemiptera	Hydrometridae	Hydrometrinae		Hydrometra	*Hydrometra stagnorum*	
14422023	Arthropoda	Insecta	Neuroptera	Osmylidae	Osmylinae		Osmylus	*Osmylus fulvicephalus*	
14432482	Arthropoda	Insecta	Hemiptera	Gerridae	Gerrinae		Gerris	*Gerris argentatus*	
14422024	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Corixa	*Corixa punctata*	
14432479	Arthropoda	Insecta	Trichoptera	Phryganeidae	Phryganeinae		Phryganea	*Phryganea bipunctata*	
14421617	Arthropoda	Insecta	Ephemeroptera	Siphlonuridae			Siphlonurus	*Siphlonurus armatus*	

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14421618	Arthropoda	Insecta	Ephemeroptera	Siphlonuridae			Siphlonurus	*Siphlonurus armatus*	
13264618	Arthropoda	Insecta	Trichoptera	Leptoceridae	Leptocerinae		Athripsodes	*Athripsodes albifrons*	
14421113	Arthropoda	Insecta	Coleoptera	Curculionidae	Ceutorhynchinae	Phytobiini	Pelenomus	*Pelenomus olssoni*	
13264624	Arthropoda	Insecta	Ephemeroptera	Caenidae	Caeninae		Caenis	*Caenis robusta*	
13269236	Arthropoda	Malacostraca	Amphipoda	Corophiidae	Corophiinae		Corophium	*Corophium multisetosum*	
13265662	Arthropoda	Insecta	Trichoptera	Glossosomatidae	Glossosomatinae		Glossosoma	*Glossosoma boltoni*	
13265626	Arthropoda	Malacostraca	Isopoda	Asellidae			Asellus	*Asellus aquaticus*	
14420647	Arthropoda	Insecta	Coleoptera	Helophoridae			Helophorus	*Helophorus granularis*	
13264645	Arthropoda	Insecta	Trichoptera	Rhyacophilidae			Rhyacophila	*Rhyacophila fasciata*	
13266958	Arthropoda	Insecta	Ephemeroptera	Caenidae	Caeninae		Caenis	*Caenis robusta*	
13571504	Arthropoda	Insecta	Coleoptera	Haliplidae			Haliplus	*Haliplus ruficollis*	
13391144	Arthropoda	Insecta	Ephemeroptera	Baetidae	Baetinae		Baetis	*Baetis digitatus*	
14420654	Arthropoda	Insecta	Coleoptera	Haliplidae			Haliplus	*Haliplus obliquus*	
13269267	Arthropoda	Insecta	Ephemeroptera	Baetidae	Baetinae		Baetis	*Baetis buceratus*	
13571475	Arthropoda	Insecta	Coleoptera	Chrysomelidae	Donaciinae		Donacia	*Donacia marginata*	
14420665	Arthropoda	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebiinae		Leptophlebia	*Leptophlebia vespertina*	
14421128	Arthropoda	Insecta	Coleoptera	Carabidae	Elaphrinae	Elaphrini	Elaphrus	*Elaphrus cupreus*	
13269178	Arthropoda	Insecta	Diptera	Simuliidae	Simuliinae	Simuliini	Simulium	*Simulium angustitarse*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
13268506	Arthropoda	Insecta	Coleoptera	Elmidae	Elminae		Riolus	*Riolus cupreus*	
13268865	Arthropoda	Insecta	Coleoptera	Elmidae	Elminae		Oulimnius	*Oulimnius tuberculatus*	
13266127	Arthropoda	Insecta	Plecoptera	Perlidae	Perlinae		Perla	*Perla bipunctata*	
13266366	Mollusca	Gastropoda		Planorbidae			Planorbarius	*Planorbarius corneus*	
13571413	Arthropoda	Insecta	Coleoptera	Dytiscidae	Agabinae	Agabini	Ilybius	*Ilybius ater*	
13266101	Arthropoda	Insecta	Ephemeroptera	Siphlonuridae			Siphlonurus	*Siphlonurus lacustris*	
13265652	Arthropoda	Malacostraca	Amphipoda	Gammaridae			Gammarus	*Gammarus zaddachi*	
13266360	Arthropoda	Malacostraca	Amphipoda	Niphargidae			Niphargus	*Niphargus aquilex*	
13265631	Mollusca	Gastropoda	Pulmonata	Ancylidae			Ancylus	*Ancylus fluviatilis*	
13268603	Arthropoda	Insecta	Ephemeroptera	Caenidae	Caeninae		Caenis	*Caenis macrura*	
13266428	Arthropoda	Insecta	Diptera	Chironomidae	Chironominae		Microtendipes	*Microtendipes pedellus*	
14421131	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Sigara	*Sigara nigrolineata*	
13267431	Arthropoda	Insecta	Trichoptera	Polycentropodidae	Polycentropodinae		Polycentropus	*Polycentropus flavomaculatus*	
13268964	Arthropoda	Insecta	Diptera	Simuliidae	Simuliinae	Simuliini	Simulium	*Simulium noelleri*	
13265633	Annelida	Clitellata	Arhynchobdellida	Erpobdellidae	Erpobdellinae		Erpobdella	*Erpobdella octoculata*	
13266384	Arthropoda	Insecta	Coleoptera	Hygrobiidae			Hygrobia	*Hygrobia hermanni*	
14421102	Arthropoda	Malacostraca	Amphipoda	Gammaridae			Gammarus	*Gammarus duebeni*	
13264594	Arthropoda	Insecta	Diptera	Stratiomyidae	Beridinae		Beris	*Beris geniculata*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
13391138	Arthropoda	Insecta	Plecoptera	Nemouridae	Nemourinae		Nemoura	*Nemoura lacustris*	
14420678	Arthropoda	Insecta	Plecoptera	Perlodidae	Perlodinae		Diura	*Diura bicaudata*	
13573312	Arthropoda	Malacostraca	Isopoda	Asellidae			Proasellus	*Proasellus meridianus*	
13265660	Arthropoda	Insecta	Plecoptera	Perlidae	Perlinae		Dinocras	*Dinocras cephalotes*	
13269555	Mollusca	Bivalvia	Sphaeriida	Sphaeriidae			Pisidium	*Pisidium nitidum*	
13266132	Arthropoda	Insecta	Ephemeroptera	Heptageniidae	Rhithrogeniinae		Rhithrogena	*Rhithrogena germanica*	
14421106	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Hydrophilinae	Laccobiini	Laccobius	*Laccobius bipunctatus*	
14421107	Arthropoda	Insecta	Coleoptera	Dytiscidae	Agabinae	Agabini	Agabus	*Agabus sturmii*	
13268610	Arthropoda	Insecta	Ephemeroptera	Baetidae	Baetinae		Baetis	*Baetis fuscatus*	
13265260	Arthropoda	Insecta	Trichoptera	Psychomyiidae	Tinodinae		Tinodes	*Tinodes pallidulus*	
14420667	Arthropoda	Insecta	Hemiptera	Veliidae	Microveliinae		Microvelia	*Microvelia reticulata*	
13265265	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Stictotarsus	*Stictotarsus duodecimpustulatus*	
13571476	Arthropoda	Insecta	Coleoptera	Chrysomelidae	Donaciinae		Donacia	*Donacia simplex*	
13264623	Arthropoda	Malacostraca	Amphipoda	Gammaridae			Gammarus	*Gammarus tigrinus*	
14421108	Arthropoda	Insecta	Coleoptera	Scirtidae	Scirtinae		Scirtes	*Scirtes hemisphaericus*	
13268566	Arthropoda	Insecta	Trichoptera	Psychomyiidae	Tinodinae		Tinodes	*Tinodes unicolor*	
13266434	Arthropoda	Insecta	Coleoptera	Elmidae	Elminae		Macronychus	*Macronychus quadrituberculatus*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
13269363	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Sigara	*Sigara scotti*	
14420642	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Hydrophilinae	Hydrobiusini	Hydrobius	*Hydrobius fuscipes*	
13265618	Arthropoda	Insecta	Ephemeroptera	Baetidae	Baetinae		Baetis	*Baetis rhodani*	
14421124	Arthropoda	Insecta	Coleoptera	Helophoridae			Helophorus	*Helophorus aequalis*	
13269487	Arthropoda	Insecta	Hemiptera	Nepidae	Nepinae		Nepa	*Nepa cinerea*	
13266393	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Hesperocorixa	*Hesperocorixa linnaei*	
13571502	Arthropoda	Insecta	Hemiptera	Potamocoridae	Naucorinae		Ilyocoris	*Ilyocoris cimicoides*	
14420668	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Hydrophilinae	Laccobiini	Laccobius	*Laccobius minutus*	
13269556	Mollusca	Gastropoda	Cycloneritida	Neritidae	Neritininae		Theodoxus	*Theodoxus fluviatilis*	
13391434	Arthropoda	Insecta	Trichoptera	Brachycentridae			Brachycentrus	*Brachycentrus subnubilus*	
13571538	Annelida	Clitellata	Arhynchobdellida	Haemopidae			Haemopis	*Haemopis sanguisuga*	
14421135	Arthropoda	Insecta	Hemiptera	Gerridae	Gerrinae		Gerris	*Gerris thoracicus*	
13267411	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Limnephilus	*Limnephilus lunatus*	
13265630	Arthropoda	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebiinae		Paraleptophlebia	*Paraleptophlebia werneri*	
13269070	Mollusca	Gastropoda		Planorbidae			Planorbis		
14421140	Arthropoda	Insecta	Coleoptera	Coccinellidae	Coccinellinae	Coccidulini	Coccidula	*Coccidula rufa*	
13573362	Arthropoda	Insecta	Diptera	Limoniidae	Limoniinae		Antocha	*Antocha vitripennis*	
11250091	Arthropoda	Branchiopoda	Anomopoda	Chydoridae	Chydorinae		Pleuroxus	*Pleuroxus trigonellus*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
13391526	Mollusca	Bivalvia	Sphaeriida	Sphaeriidae			Pisidium	*Pisidium casertanum*	
14421121	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Hydroporus	*Hydroporus memnonius*	
13267412	Arthropoda	Insecta	Diptera	Rhagionidae	Chrysopilinae		Chrysopilus	*Chrysopilus cristatus*	
13269256	Arthropoda	Insecta	Trichoptera	Rhyacophilidae			Rhyacophila	*Rhyacophila obliterata*	
13269261	Arthropoda	Insecta	Ephemeroptera	Heptageniidae	Ecdyonurinae		Electrogena	*Electrogena lateralis*	
13266322	Mollusca	Gastropoda		Physidae			Physella	*Physella gyrina*	
13571468	Arthropoda	Insecta	Hemiptera	Artheneidae	Artheneinae		Chilacis	*Chilacis typhae*	
13265306	Arthropoda	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebiinae		Habrophlebia	*Habrophlebia fusca*	
13269189	Arthropoda	Insecta	Odonata	Aeshnidae	Brachytroninae		Brachytron	*Brachytron pratense*	
13265597	Arthropoda	Insecta	Plecoptera	Chloroperlidae	Chloroperlinae		Chloroperla	*Chloroperla tripunctata*	
13264626	Arthropoda	Insecta	Hemiptera	Notonectidae	Notonectinae		Notonecta	*Notonecta maculata*	
13571472	Arthropoda	Insecta	Coleoptera	Staphylinidae	Paederinae	Paederini	Paederus	*Paederus riparius*	
13268960	Arthropoda	Insecta	Trichoptera	Lepidostomatidae	Theliopsychinae		Crunoecia	*Crunoecia irrorata*	
13265634	Arthropoda	Insecta	Trichoptera	Goeridae	Goerinae		Goera	*Goera pilosa*	
13265604	Arthropoda	Insecta	Trichoptera	Goeridae	Goerinae		Silo	*Silo pallipes*	
13265643	Arthropoda	Insecta	Coleoptera	Elmidae	Elminae		Elmis	*Elmis aenea*	
13269085	Arthropoda	Insecta	Plecoptera	Leuctridae	Leuctrinae		Leuctra	*Leuctra nigra*	
13267420	Arthropoda	Insecta	Trichoptera	Limnephilidae	Drusinae		Ecclisopteryx	*Ecclisopteryx discoidea*	*Ecclisopteryx*

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
									discoidea dalecarlica
13268997	Arthropoda	Insecta	Odonata	Coenagrionidae	Ischnurinae		Enallagma	*Enallagma cyathigerum*	
14421139	Arthropoda	Insecta	Coleoptera	Hydraenidae	Ochthebiinae		Ochthebius	*Ochthebius minimus*	
13269242	Annelida	Clitellata	Rhynchobdellida	Glossiphoniidae			Helobdella	*Helobdella stagnalis*	
13265603	Arthropoda	Insecta	Trichoptera	Rhyacophilidae			Rhyacophila	*Rhyacophila dorsalis*	
14420687	Arthropoda	Insecta	Hemiptera	Gerridae	Gerrinae		Aquarius	*Aquarius najas*	
13265638	Arthropoda	Insecta	Ephemeroptera	Baetidae	Baetinae		Centroptilum	*Centroptilum luteolum*	
13269181	Arthropoda	Arachnida	Araneae	Dictynidae			Argyroneta	*Argyroneta aquatica*	
13269074	Arthropoda	Insecta	Plecoptera	Nemouridae	Nemourinae		Nemurella	*Nemurella pictetii*	
13265657	Platyhelminthes	Rhabditophora	Tricladida	Dugesiidae			Girardia	*Girardia tigrina*	
14420660	Arthropoda	Insecta	Plecoptera	Nemouridae	Nemourinae		Nemoura	*Nemoura cinerea*	*Nemoura cinerea cinerea*
13573301	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Potamophylax	*Potamophylax latipennis*	
13269247	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Halesus	*Halesus digitatus*	
13267397	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Glyphotaelius	*Glyphotaelius pellucidus*	
13391074	Arthropoda	Insecta	Ephemeroptera	Baetidae	Baetinae		Baetis	*Baetis scambus*	
13264703	Mollusca	Bivalvia	Myida	Dreissenidae			Dreissena	*Dreissena rostriformis*	*Dreissena rostriformis bugensis*
13266238	Arthropoda	Insecta	Plecoptera	Leuctridae	Leuctrinae		Leuctra	*Leuctra fusca*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
13571467	Arthropoda	Insecta	Coleoptera	Chrysomelidae	Donaciinae		Plateumaris	*Plateumaris braccata*	
14420648	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Hydroporus	*Hydroporus angustatus*	
14421125	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Acidocerinae		Helochares	*Helochares lividus*	
13265653	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Corixa	*Corixa panzeri*	
13266430	Arthropoda	Insecta	Odonata	Coenagrionidae	Coenagrioninae		Coenagrion	*Coenagrion pulchellum*	
14421116	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Hydroporus	*Hydroporus striola*	
13267278	Arthropoda	Insecta	Hemiptera	Corixidae	Cymatinae		Cymatia	*Cymatia bonsdorffii*	
14421110	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Chaetarthriinae	Anacaenini	Anacaena	*Anacaena globulus*	
14421138	Arthropoda	Insecta	Coleoptera	Hydraenidae	Ochthebiinae		Ochthebius	*Ochthebius dilatatus*	
13266140	Arthropoda	Insecta	Plecoptera	Leuctridae	Leuctrinae		Leuctra	*Leuctra moselyi*	
13264699	Arthropoda	Malacostraca	Mysida	Mysidae	Mysinae		Hemimysis	*Hemimysis anomala*	
14420650	Arthropoda	Insecta	Coleoptera	Hydraenidae	Hydraeninae		Hydraena	*Hydraena riparia*	
13267427	Arthropoda	Insecta	Trichoptera	Glossosomatidae	Glossosomatinae		Glossosoma	*Glossosoma conformis*	
13267402	Arthropoda	Insecta	Plecoptera	Leuctridae	Leuctrinae		Leuctra	*Leuctra hippopus*	
13265606	Platyhelminthes	Rhabditophora	Tricladida	Planariidae			Polycelis	*Polycelis felina*	
13269529	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Micropterna	*Micropterna sequax*	
13269266	Arthropoda	Insecta	Trichoptera	Leptoceridae	Leptocerinae		Ceraclea	*Ceraclea dissimilis*	
13391396	Annelida	Clitellata	Haplotaxida	Lumbricidae			Eiseniella	*Eiseniella tetraedra*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14421118	Arthropoda	Insecta	Coleoptera	Helophoridae			Helophorus	*Helophorus brevipalpis*	
14421127	Arthropoda	Insecta	Coleoptera	Dytiscidae	Agabinae	Agabini	Ilybius	*Ilybius aenescens*	
14421109	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hygrotini	Hygrotus	*Hygrotus inaequalis*	
13269028	Arthropoda	Insecta	Diptera	Simuliidae	Simuliinae	Simuliini	Simulium	*Simulium armoricanum*	
13269372	Arthropoda	Insecta	Trichoptera	Polycentropodidae	Polycentropodinae		Plectrocnemia	*Plectrocnemia geniculata*	
13265624	Arthropoda	Insecta	Trichoptera	Lepidostomatidae	Lepidostomatinae		Lepidostoma	*Lepidostoma hirtum*	
13573316	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Limnephilus	*Limnephilus rhombicus*	
14420651	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Sigara	*Sigara lateralis*	
13573395	Arthropoda	Insecta	Trichoptera	Leptoceridae	Leptocerinae		Mystacides	*Mystacides longicornis*	
14421112	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Porhydrus	*Porhydrus lineatus*	
13266174	Arthropoda	Insecta	Diptera	Chironomidae	Prodiamesinae		Prodiamesa	*Prodiamesa olivacea*	
13266440	Arthropoda	Insecta	Trichoptera	Leptoceridae	Leptocerinae		Ceraclea	*Ceraclea annulicornis*	
14420672	Arthropoda	Insecta	Ephemeroptera	Ephemeridae	Ephemerinae		Ephemera	*Ephemera danica*	
13265622	Arthropoda	Insecta	Trichoptera	Hydropsychidae	Hydropsychinae		Hydropsyche	*Hydropsyche pellucidula*	
13266215	Mollusca	Gastropoda		Planorbidae			Planorbis	*Planorbis carinatus*	
14421136	Arthropoda	Insecta	Coleoptera	Dytiscidae	Laccophilinae	Laccophilini	Laccophilus	*Laccophilus minutus*	
14420646	Arthropoda	Insecta	Hemiptera	Notonectidae	Notonectinae		Notonecta	*Notonecta obliqua*	
13265639	Arthropoda	Insecta	Trichoptera	Leptoceridae	Leptocerinae		Oecetis	*Oecetis testacea*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
13265610	Arthropoda	Insecta	Coleoptera	Hydraenidae	Hydraeninae		Hydraena	*Hydraena gracilis*	
13267358	Arthropoda	Insecta	Trichoptera	Leptoceridae	Leptocerinae		Athripsodes	*Athripsodes aterrimus*	
13265325	Arthropoda	Insecta	Trichoptera	Rhyacophilidae			Rhyacophila	*Rhyacophila munda*	
13265608	Arthropoda	Insecta	Plecoptera	Leuctridae	Leuctrinae		Leuctra	*Leuctra inermis*	
14421117	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Chaetarthriinae	Anacaenini	Anacaena	*Anacaena limbata*	
13266406	Arthropoda	Insecta	Ephemeroptera	Potamanthidae			Potamanthus	*Potamanthus luteus*	
13266378	Arthropoda	Insecta	Coleoptera	Gyrinidae	Gyrininae	Gyrinini	Gyrinus	*Gyrinus marinus*	
13267389	Mollusca	Gastropoda		Physidae			Physella	*Physella acuta*	
13264641	Arthropoda	Insecta	Trichoptera	Leptoceridae	Leptocerinae		Leptocerus	*Leptocerus tineiformis*	
14420686	Arthropoda	Insecta	Odonata	Calopterygidae	Calopteryginae		Calopteryx	*Calopteryx virgo*	
13391408	Arthropoda	Insecta	Plecoptera	Taeniopterygidae	Taeniopteriginae		Taeniopteryx	*Taeniopteryx nebulosa*	
13268996	Arthropoda	Insecta	Odonata	Coenagrionidae	Coenagrioninae		Erythromma	*Erythromma najas*	
13265594	Arthropoda	Insecta	Plecoptera	Perlodidae	Perlodinae		Perlodes	*Perlodes mortoni*	
13266432	Arthropoda	Insecta	Coleoptera	Dytiscidae	Laccophilinae	Laccophilini	Laccophilus	*Laccophilus hyalinus*	
13264635	Arthropoda	Insecta	Trichoptera	Psychomyiidae	Psychomyiinae		Metalype	*Metalype fragilis*	
13268574	Arthropoda	Insecta	Trichoptera	Leptoceridae	Leptocerinae		Mystacides	*Mystacides nigra*	
13268512	Arthropoda	Insecta	Diptera	Dixidae			Dixa	*Dixa submaculata*	
13265658	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Anabolia	*Anabolia nervosa*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
13265640	Arthropoda	Insecta	Trichoptera	Leptoceridae	Leptocerinae		Mystacides	*Mystacides azurea*	
13265605	Arthropoda	Insecta	Trichoptera	Hydropsychidae	Hydropsychinae		Hydropsyche	*Hydropsyche siltalai*	
13573345	Arthropoda	Insecta	Trichoptera	Psychomyiidae	Psychomyiinae		Psychomyia	*Psychomyia pusilla*	
13264952	Arthropoda	Insecta	Trichoptera	Goeridae	Goerinae		Silo	*Silo nigricornis*	
13264592	Mollusca	Gastropoda	Hygrophila	Lymnaeidae			Lymnaea	*Lymnaea stagnalis*	
13266955	Arthropoda	Insecta	Ephemeroptera	Heptageniidae	Ecdyonurinae		Ecdyonurus	*Ecdyonurus insignis*	
13391481	Arthropoda	Insecta	Odonata	Aeshnidae	Aeshninae		Anax	*Anax imperator*	
14421141	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Hydrophilinae	Laccobiini	Laccobius	*Laccobius sinuatus*	
13391340	Arthropoda	Insecta	Ephemeroptera	Caenidae	Caeninae		Caenis	*Caenis horaria*	
14420655	Arthropoda	Insecta	Coleoptera	Scirtidae	Scirtinae		Odeles	*Odeles marginata*	
14421130	Arthropoda	Insecta	Hemiptera	Veliidae	Veliinae		Velia	*Velia caprai*	
14421123	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Hydroporus	*Hydroporus discretus*	
13269249	Arthropoda	Insecta	Trichoptera	Hydropsychidae	Diplectroninae		Diplectrona	*Diplectrona felix*	
13269084	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Limnephilus	*Limnephilus luridus*	
13269179	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Scarodytes	*Scarodytes halensis*	
14420681	Arthropoda	Insecta	Ephemeroptera	Heptageniidae	Heptageniinae		Heptagenia	*Heptagenia sulphurea*	
13571393	Arthropoda	Insecta	Coleoptera	Dytiscidae	Agabinae	Agabini	Ilybius	*Ilybius fuliginosus*	
13265629	Arthropoda	Insecta	Trichoptera	Psychomyiidae	Tinodinae		Tinodes	*Tinodes waeneri*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
13265328	Arthropoda	Insecta	Diptera	Athericidae	Athericinae		Ibisia	*Ibisia marginata*	
14421133	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Enochrinae		Enochrus	*Enochrus testaceus*	
13264953	Arthropoda	Insecta	Ephemeroptera	Caenidae	Caeninae		Caenis	*Caenis horaria*	
14420682	Arthropoda	Insecta	Diptera	Simuliidae	Simuliinae	Simuliini	Simulium	*Simulium lineatum*	
13266394	Arthropoda	Insecta	Coleoptera	Haliplidae			Haliplus	*Haliplus confinis*	
13269522	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Callicorixa	*Callicorixa praeusta*	
14421101	Arthropoda	Branchiopoda	Notostraca	Triopsidae			Triops	*Triops cancriformis*	
13391415	Arthropoda	Insecta	Trichoptera	Leptoceridae	Leptocerinae		Athripsodes	*Athripsodes cinereus*	
13265654	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Limnephilus	*Limnephilus flavicornis*	
14420675	Arthropoda	Insecta	Trichoptera	Polycentropodidae	Polycentropodinae		Plectrocnemia	*Plectrocnemia conspersa*	
13265659	Arthropoda	Insecta	Odonata	Coenagrionidae	Ischnurinae		Ischnura	*Ischnura elegans*	
14420643	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Hesperocorixa	*Hesperocorixa moesta*	
13269358	Arthropoda	Insecta	Trichoptera	Glossosomatidae	Agapetinae		Agapetus	*Agapetus ochripes*	
14420644	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Hesperocorixa	*Hesperocorixa castanea*	
14420649	Arthropoda	Insecta	Hemiptera	Gerridae	Gerrinae		Gerris	*Gerris odontogaster*	
14420680	Arthropoda	Insecta	Odonata	Coenagrionidae	Coenagrioninae		Coenagrion	*Coenagrion puella*	
13265646	Mollusca	Gastropoda	Hygrophila	Lymnaeidae			Radix	*Radix balthica*	
13265641	Arthropoda	Insecta	Megaloptera	Sialidae	Sialinae		Sialis	*Sialis lutaria*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
13571308	Arthropoda	Insecta	Coleoptera	Chrysomelidae	Donaciinae		Plateumaris	*Plateumaris discolor*	
13265637	Arthropoda	Insecta	Trichoptera	Polycentropodidae	Polycentropodinae		Polycentropus	*Polycentropus irroratus*	
13269182	Arthropoda	Insecta	Coleoptera	Gyrinidae	Gyrininae	Gyrinini	Gyrinus	*Gyrinus aeratus*	
13573434	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Chaetopteryx	*Chaetopteryx villosa*	
13391422	Arthropoda	Insecta	Odonata	Calopterygidae	Calopteryginae		Calopteryx	*Calopteryx splendens*	
13391136	Arthropoda	Insecta	Plecoptera	Nemouridae	Nemourinae		Nemoura	*Nemoura dubitans*	
13267276	Arthropoda	Insecta	Coleoptera	Haliplidae			Haliplus	*Haliplus flavicollis*	
14421111	Arthropoda	Insecta	Coleoptera	Noteridae	Noterinae		Noterus	*Noterus clavicornis*	
13267428	Arthropoda	Insecta	Ephemeroptera	Heptageniidae	Ecdyonurinae		Ecdyonurus	*Ecdyonurus torrentis*	
13269244	Arthropoda	Insecta	Trichoptera	Psychomyiidae	Psychomyiinae		Lype	*Lype reducta*	
13268999	Arthropoda	Insecta	Hemiptera	Notonectidae	Notonectinae		Notonecta	*Notonecta glauca*	
13266374	Arthropoda	Insecta	Ephemeroptera	Baetidae	Baetinae		Cloeon	*Cloeon dipterum*	
13269549	Mollusca	Gastropoda		Planorbidae	Planorbinae		Gyraulus	*Gyraulus albus*	
13264587	Mollusca	Gastropoda	Triganglionata	Valvatidae			Valvata	*Valvata cristata*	
11250079	Arthropoda	Insecta	Coleoptera	Dytiscidae	Agabinae	Agabini	Agabus	*Agabus guttatus*	
13267439	Arthropoda	Insecta	Diptera	Simuliidae	Simuliinae	Simuliini	Simulium	*Simulium erythrocephalum*	
13266957	Arthropoda	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebiinae		Paraleptophlebia	*Paraleptophlebia cincta*	
14420674	Arthropoda	Insecta	Ephemeroptera	Ephemeridae	Ephemerinae		Ephemera	*Ephemera vulgata*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
13264637	Arthropoda	Insecta	Trichoptera	Leptoceridae	Leptocerinae		Ceraclea	*Ceraclea senilis*	
14421114	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Hydroporus	*Hydroporus incognitus*	
14420670	Arthropoda	Insecta	Coleoptera	Gyrinidae	Gyrininae	Gyrinini	Gyrinus	*Gyrinus distinctus*	
14420683	Arthropoda	Insecta	Hemiptera	Aphelocheiridae			Aphelocheirus	*Aphelocheirus aestivalis*	
14420645	Arthropoda	Insecta	Hemiptera	Pleidae			Plea	*Plea minutissima*	
13573319	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Limnephilus	*Limnephilus extricatus*	
13265644	Arthropoda	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebiinae		Paraleptophlebia	*Paraleptophlebia submarginata*	
13267426	Arthropoda	Insecta	Plecoptera	Nemouridae	Nemourinae		Nemoura	*Nemoura cambrica*	
13573388	Arthropoda	Insecta	Plecoptera	Leuctridae	Leuctrinae		Leuctra	*Leuctra geniculata*	
13571344	Arthropoda	Insecta	Odonata	Cordulegastridae	Cordulegastrinae		Cordulegaster	*Cordulegaster boltonii*	
13265651	Mollusca	Gastropoda		Physidae			Physa	*Physa fontinalis*	
14420666	Arthropoda	Insecta	Trichoptera	Polycentropodidae	Polycentropodinae		Polycentropus	*Polycentropus kingi*	
13391134	Arthropoda	Insecta	Plecoptera	Capniidae			Zwicknia	*Zwicknia bifrons*	
14420684	Arthropoda	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebiinae		Leptophlebia	*Leptophlebia marginata*	
13265601	Mollusca	Gastropoda	Littorinimorpha	Tateidae			Potamopyrgus	*Potamopyrgus antipodarum*	
13269360	Arthropoda	Insecta	Hemiptera	Corixidae	Corixinae		Arctocorisa	*Arctocorisa germari*	
14420673	Arthropoda	Insecta	Coleoptera	Dytiscidae	Hydroporinae	Hydroporini	Nebrioporus	*Nebrioporus elegans*	
13265274	Arthropoda	Insecta	Trichoptera	Limnephilidae	Limnephilinae		Potamophylax	*Potamophylax cingulatus*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
13269544	Arthropoda	Insecta	Diptera	Tipulidae	Tipulinae		Tipula	*Tipula couckei*	
14420639	Arthropoda	Insecta	Coleoptera	Helophoridae			Helophorus	*Helophorus obscurus*	
14420659	Arthropoda	Insecta	Hemiptera	Gerridae	Gerrinae		Gerris	*Gerris lacustris*	
13266169	Arthropoda	Insecta	Diptera	Chironomidae	Orthocladiinae		Brillia	*Brillia bifida*	
13266390	Arthropoda	Insecta	Coleoptera	Haliplidae			Peltodytes	*Peltodytes caesus*	
14421115	Arthropoda	Insecta	Coleoptera	Hydrophilidae	Enochrinae		Enochrus	*Enochrus fuscipennis*	
13265299	Arthropoda	Insecta	Trichoptera	Leptoceridae	Leptocerinae		Adicella	*Adicella reducta*	
13265602	Arthropoda	Insecta	Plecoptera	Nemouridae	Nemourinae		Protonemura	*Protonemura meyeri*	
13265628	Arthropoda	Malacostraca	Amphipoda	Crangonyctidae			Crangonyx	*Crangonyx pseudogracilis*	
13265636	Arthropoda	Insecta	Ephemeroptera	Caenidae	Caeninae		Caenis	*Caenis luctuosa*	
13573343	Arthropoda	Insecta	Trichoptera	Lepidostomatidae	Lepidostomatinae		Lepidostoma	*Lepidostoma basale*	
14420676	Arthropoda	Insecta	Ephemeroptera	Ephemerellidae			Serratella	*Serratella ignita*	
13265615	Arthropoda	Insecta	Plecoptera	Perlodidae	Isoperlinae		Isoperla	*Isoperla grammatica*	
13265266	Arthropoda	Insecta	Trichoptera	Polycentropodidae	Polycentropodinae		Cyrnus	*Cyrnus trimaculatus*	
13269012	Mollusca	Bivalvia	Sphaeriida	Sphaeriidae			Pisidium	*Pisidium henslowanum*	
14421132	Arthropoda	Insecta	Coleoptera	Chrysomelidae	Donaciinae		Plateumaris	*Plateumaris sericea*	
13266369	Annelida	Clitellata	Rhynchobdellida	Piscicolidae			Piscicola	*Piscicola geometra*	
13265647	Annelida	Clitellata	Rhynchobdellida	Glossiphoniidae			Glossiphonia	*Glossiphonia complanata*	

Project FBUK – Specimen details

Sample ID	Sex	Reproduction	Life Stage		Sample ID	Sex	Reproduction	Life Stage		Sample ID	Sex	Reproduction	Life Stage
014420679					013571272					013571374			
013268861					013266121					013265611			
013265598					014420661					014420641			
013268520					013268570					013391414			
014420640					013571474					013265663			
014420677					013268852					013268592			
013269088					013269537					013269525			
013265623					013266304					013573318			
013265261					013573424					014420657			
013269268					013265596					013266216			
013265146					013268507					013269263			
013573421					013391490					013391140			
013268514					013265661					013269080			
013269079					013265613					013265642			
013391455	F		Adult		014421120					013265632			
013264588					013266143					013265599			
013266377					013265607					013265617			
014420685					013571505					013265648			
014420671					014420664					013265655			
013265649					013266219					014420662			
013265595					014420652					013264621			
013266173					013269264					014420663			
013573313					013391466					014420669			
014421122					013265600					014421137			
014421119					013265621					011250097			
013266417					013268563					013265609			
014421126					014421142					014420656			
013571495					013269558					014420658			
013265616					013573269					014420653			
013571510					013267363					014421134			

Sample ID	Sex	Reproduction	Life Stage		Sample ID	Sex	Reproduction	Life Stage		Sample ID	Sex	Reproduction	Life Stage
013265616					013573269					014420653			
013571510					013267363					014421134			
014421129					014421588					014421999			
014421991					014421584					014421984			
014422014			Larva		014421586					014421985			
013708127			Larva		014421587					014421603			
013708126			Larva		014421103					014421986			
014421983					014421104					014421987			
014421589					014421105					014421591			
014421600					014421988					014421592			
013266046	F		Adult		014421989					014421604			
014422015			Larva		014421990					014421583			
014422017			Larva		014421992					014421590			
014422016			Pupa		014421993					014421602			
013266045	M		Adult		014421994					014422021			
014432496					014421995					014422013			
014422001					014421996					014422020			
014422002					014421997					014422018			
014422003					014421593					014422012			
014422004					014421594					014432483			
014421572					014421595					014432484			
014421573					014421596					014422022			
014421574					014421597					014432480			
014421575					014422011					014432481			
014421576					014422007					014422023			
014421577					014422008					014432482			
014421578	M		Adult		014422009					014422024			
014421579					014422010					014432479			
014421580					014422006					014421617			Larva
014421581	F		Adult		014422005					014421618			Larva
014421582					014422000					013264618			
014421599					014421998					014421113			

Sample ID	Sex	Reproduction	Life Stage		Sample ID	Sex	Reproduction	Life Stage		Sample ID	Sex	Reproduction	Life Stage
013264624					013266384					013571538			
013269236					014421102					014421135			
013265662					013264594					013267411			
013265626					013391138					013265630			
014420647					014420678					013269070			
013264645					013573312					014421140			
013266958			Larva		013265660					013573362			
013571504					013269555					011250091			
013391144					013266132					013391526			
014420654					014421106					014421121			
013269267					014421107					013267412			
013571475					013268610					013269256			
014420665					013265260					013269261			
014421128					014420667					013266322			
013269178					013265265					013571468			
013268506					013571476					013265306			
013268865					013264623					013269189			
013266127					014421108					013265597			
013266366					013268566					013264626			
013571413					013266434					013571472	F		Adult
013266101					013269363					013268960			
013265652					014420642					013265634			
013266360					013265618					013265604			
013265631					014421124					013265643			
013268603					013269487					013269085			
013266428					013266393					013267420			
014421131					013571502					013268997			
013267431					014420668					014421139			
013268964					013269556					013269242			
013265633					013391434					013265603			
014420687					014421118					013265594			
013265638					014421127					013266432			

Sample ID	Sex	Reproduction	Life Stage		Sample ID	Sex	Reproduction	Life Stage		Sample ID	Sex	Reproduction	Life Stage
013269181					014421109					013264635			
013269074					013269028					013268574			
013265657					013269372					013268512			
014420660					013265624					013265658			
013573301					013573316					013265640			
013269247					014420651					013265605			
013267397					013573395					013573345			
013391074					014421112					013264952			
013264703					013266174					013264592			
013266238					013266440					013266955			Larva
013571467					014420672					013391481			
014420648					013265622					014421141			
014421125					013266215					013391340			
013265653					014421136					014420655			
013266430					014420646					014421130			
014421116					013265639					014421123			
013267278					013265610					013269249			
014421110					013267358					013269084			
014421138					013265325					013269179			
013266140					013265608					014420681			
013264699					014421117					013571393			
014420650	M		Adult		013266406					013265629			
013267427					013266378					013265328			
013267402					013267389					014421133			
013265606					013264641					013264953			
013269529					014420686					014420682			
013269266					013391408					013266394			
013391396					013268996					013269522			
014421101					013264637					013265615			
013391415					014421114					013265266			
013265654					014420670					013269012			
014420675					014420683					014421132			

Sample ID	Sex	Reproduction	Life Stage		Sample ID	Sex	Reproduction	Life Stage		Sample ID	Sex	Reproduction	Life Stage
013265659					014420645					013266369			
014420643					013573319					013265647			
013269358					013265644								
014420644					013267426								
014420649					013573388								
014420680					013571344								
013265646					013265651								
013265641					014420666								
013571308					013391134								
013265637					014420684								
013269182					013265601								
013573434					013269360								
013391422					014420673								
013391136					013265274								
013267276					013269544								
014421111					014420639								
013267428					014420659								
013269244					013266169								
013268999					013266390								
013266374					014421115								
013269549					013265299								
013264587					013265602								
011250079					013265628								
013267439					013265636								
013266957	M		subimago		013573343								
014420674					014420676								

Project FBUK – Collection data

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
014420679	26-Mar-2018	United Kingdom		Counter Drain, Baston Fen Nature Reserve	52.7447	-0.305147
013268861	26-Mar-2018	United Kingdom		River Otter at Dotton	51.5882	-3.31882
013265598	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013268520	06-Nov-2018	United Kingdom		Kites Hill	51.816	-2.18921
014420640	18-Apr-2014	United Kingdom		Dogleg pool, Winteringham	53.6923	-0.580951
014420677	23-Mar-2018	United Kingdom		River Irfon, Wales	52.1863	-3.70888
013269088	21-Mar-2018	United Kingdom		Crowden Leat	53.4897	-1.89508
013265623	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013265261	27-Mar-2018	United Kingdom		River Poulter, near A1 road	53.2696	-0.952392
013269268	11-May-2018	United Kingdom		River Irwell	53.49	-2.26869
013265146	18-May-2017	United Kingdom		Lee at Dobb`s Weir	51.7557	0.006063
013573421	23-May-2018	United Kingdom		Silver Streams, New Forest	50.8234	-1.61711
013268514	06-Nov-2018	United Kingdom		Kites Hill	51.816	-2.18921
013269079	15-Feb-2018	United Kingdom		Rossendale Brook	53.2223	-2.08711
013391455	16-May-2014	United Kingdom		Bwlch Derwyn pingo	52.9962	-4.30353
013264588	24-Feb-2018	United Kingdom		River Torne, near Little Hurst Cottages	53.5794	-0.820546

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
013266377	22-Mar-2018	United Kingdom		Manor Farm, Dengemarsh Sewer	50.9296	0.915628
014420685	26-Mar-2018	United Kingdom		Llyn Fawr	51.7204	-3.56661
014420671	26-Mar-2018	United Kingdom		Devil`s Brook	50.7706	-2.32506
013265649	07-Mar-2018	United Kingdom		Braint at Tyddyn y Felin	53.2324	-4.21289
013265595	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013266173	26-Mar-2018	United Kingdom		River Blithe Hamstall Ridware	52.7693	-1.83972
013573313	23-Sep-2014	United Kingdom		Lathkill Alport	53.1807	-1.66629
014421122		United Kingdom				
014421119	29-Jul-2013	United Kingdom		Cadnant Dingle	53.2361	-4.16804
013266417	26-Mar-2018	United Kingdom		River Wye, Sellers Bridge	52.0768	-2.85938
014421126	18-Aug-2013	United Kingdom		Pond by strait Porthamel	53.1819	-4.23519
013571495	06-Nov-2013	United Kingdom		Pointon Lode, Pointon Fen	52.8663	-0.31687
013265616	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013571510	11-Nov-2013	United Kingdom		Mortons Leam, Eldernell Bridge	53.473	-0.01571
013571272	18-Sep-2013	United Kingdom		Dune pond, Newborough Warren	53.1444	-4.35542
013266121	25-Jan-2019	United Kingdom		Clunie River	56.9612	-3.40337
014420661	23-May-2018	United Kingdom		New Forest	50.87	-1.61
013268570	26-May-2018	United Kingdom		Edgeworth Mill, Frome	51.759	-2.0695
013571474	22-Jun-2014	United Kingdom		Malltraeth Marsh 2	53.2152	-4.32275

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
013268852	26-Mar-2018	United Kingdom		River Otter at Dotton	51.5882	-3.31882
013269537	12-Nov-2013	United Kingdom		Maxey Cut (Welland), MaxeyHelpston Road Bridge	52.6487	-0.34246
013266304	22-Mar-2018	United Kingdom		Selby Dam Selby	53.7774	-1.12549
013573424	23-May-2018	United Kingdom		Dokens Water, New Forest	50.9132	-1.67748
013265596	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013268507	06-Nov-2018	United Kingdom		Kites Hill	51.816	-2.18921
013391490	22-Sep-2014	United Kingdom		River Glen (surfleet old A16)	52.8359	-0.14435
013265661	23-Mar-2018	United Kingdom		Llyn Cwellyn	53.0729	-4.1446
013265613	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
014421120		United Kingdom				
013266143	25-Jan-2019	United Kingdom		Shee Water	56.8138	-3.46244
013265607	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013571505	11-Nov-2013	United Kingdom		Mortons Leam, Eldernell Bridge	53.473	-0.01571
014420664	27-Apr-2014	United Kingdom		Corner pond, Llandegfan Common	53.2529	-4.13291
013266219	26-Mar-2018	United Kingdom		Counter Drain, Baston Fen Nature Reserve	52.7447	-0.305147
014420652	18-Sep-2013	United Kingdom		Dune pond, Newborough Warren	53.1444	-4.35542
013269264	19-Apr-2018	United Kingdom		River Glaze	53.4261	-2.45128

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
013391466	16-May-2014	United Kingdom		Cors Gyfelog	53.0044	-4.29651
013265600	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013265621	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013268563	22-May-2018	United Kingdom		Edgeworth Mill, Frome	51.759	-2.0695
014421142	18-Apr-2014	United Kingdom		Dogleg pool, Winteringham	53.6923	-0.580951
013269558	12-Nov-2013	United Kingdom		Maxey Cut (Welland), MaxeyHelpston Road Bridge	52.6487	-0.34246
013573269	22-Sep-2014	United Kingdom		River Glen (surfleet old A16)	52.8359	-0.14435
013267363	12-Nov-2013	United Kingdom		Maxey Cut (Welland), MaxeyHelpston Road Bridge	52.6487	-0.34246
013571374		United Kingdom				
013265611	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
014420641	18-Apr-2014	United Kingdom		Dogleg pool, Winteringham	53.6923	-0.580951
013391414	25-Nov-2013	United Kingdom		Welland, Tinwell Mill	52.6442	-0.51165
013265663	23-Mar-2018	United Kingdom		Llyn Cwellyn	53.0729	-4.1446
013268592	01-Jun-2018	United Kingdom		US Weir, Harvington Mill, Warickshire Avon	52.1312	-1.90456
013269525	06-Nov-2013	United Kingdom		Hog Dyke, Rounds (OLD A605)	52.3398	-0.54684

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
013573318	23-Sep-2014	United Kingdom		Lathkill Alport	53.1807	-1.66629
014420657	10-Apr-2014	United Kingdom		Marsh, Afon Ceint valley	53.2422	-4.27625
013266216	26-Mar-2018	United Kingdom		Counter Drain, Baston Fen Nature Reserve	52.7447	-0.305147
013269263	19-Apr-2018	United Kingdom		Red Brook	53.4098	-2.43315
013391140	24-Apr-2018	United Kingdom		River Derwent at Stamford Bridge	53.9907	-0.917069
013269080	21-Mar-2018	United Kingdom		Crowden Leat	53.4897	-1.89508
013265642	07-Mar-2018	United Kingdom		Braint at Tyddyn y Felin	53.2324	-4.21289
013265632	06-Mar-2018	United Kingdom		Llyn Padarn	53.1268	-4.13319
013265599	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013265617	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013265648	07-Mar-2018	United Kingdom		Cefni Drain	53.1998	-4.33741
013265655	07-Mar-2018	United Kingdom		Llyn Coron 2	53.2042	-4.4327
014420662	27-Apr-2014	United Kingdom		Corner pond, Llandegfan Common	53.2529	-4.13291
013264621	04-Sep-2018	United Kingdom		Lubbesthorpe Brook, Braunstone Town	52.6016	-1.17814
014420663	27-Apr-2014	United Kingdom		Corner pond, Llandegfan Common	53.2529	-4.13291
014420669	26-Aug-2013	United Kingdom		Halton Drain, Winteringham Lane	53.6812	-0.614332
014421137	27-Aug-2013	United Kingdom		Dogleg pool, Winteringham	53.6923	-0.580951

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
011250097	08-Aug-2014	United Kingdom		Llyn Idwal	53.1136	-4.02888
013265609	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
014420656	26-Aug-2013	United Kingdom		Halton Drain, Winteringham Lane	53.6812	-0.614332
014420658	05-May-2014	United Kingdom		Plantation by Trebarth Rd	53.2117	-4.1677
014420653	28-Aug-2013	United Kingdom		Far Ings	53.693	-0.477638
014421134	26-Mar-2014	United Kingdom		Llandyfan common	53.2531	-4.13322
014421129	16-Aug-2013	United Kingdom		Millbank Marsh	53.2446	-4.14299
014421991		United Kingdom		Chalybeate Winteringham	53.679	-0.569
014422014	30-Mar-2017	United Kingdom		Etchingham, Dudwell, Kent	51.007	0.436
013708127	05-May-2020	United Kingdom	England	Caudworthy Water, near junction with River Ottery	50.674	-4.454
013708126	13-Apr-2020	United Kingdom	England	Darch`s Wood, west of Heathfield	50.971	0.23
014421983	26-Mar-2018	United Kingdom		Vicar Water, Clipstone	53.159	-1.119
014421589	24-Apr-2018	United Kingdom		River Torne, near Little Hurst Cottages	53.579	-0.821
014421600	04-Sep-2018	United Kingdom		Garden Lake, Newstead Abbey	53.078	-1.195
013266046	06-Mar-2021	United Kingdom		Allt Ruigh Chaillich Burn	57.217	-3.73

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
014422015	10-May-2019	United Kingdom		Malham Tarn, near outflow of Malham Water	54.092	-2.163
014422017	19-Jan-2019	United Kingdom		Darwell Reservoir	50.968	0.447
014422016	10-May-2019	United Kingdom		Malham Water, 200m below Henside Road	54.087	-2.163
013266045	14-Mar-2021	United Kingdom		Earl`s Burn at Easter Cringate	56.06	-4.07
014432496	16-May-2018	United Kingdom		River Ashop, near A57	53.402	-1.793
014422001	12-Nov-2013	United Kingdom		Brook Draw, upstream South Draw	52.646	-0.294
014422002	10-Sep-2014	United Kingdom		Mill Brook, Blewbury, Grahame Close	51.57	-1.236
014422003	10-Sep-2014	United Kingdom		Mill Brook, Blewbury, Grahame Close	51.57	-1.236
014422004	11-Sep-2014	United Kingdom		Loddon Kingsbridge	51.377	-0.973
014421572	16-Jul-2014	United Kingdom		Aqueduct ditch, Winteringham	53.688	-0.619
014421573	18-Jun-2014	United Kingdom		Malltraeth marsh, by railway	53.194	-4.371
014421574	26-Jun-2014	United Kingdom		Orton Mere	52.558	-0.28
014421575	16-May-2014	United Kingdom		Bwlch Derwyn pingo	52.996	-4.304
014421576	16-May-2014	United Kingdom		Bwlch Derwyn pingo	52.996	-4.304
014421577	16-May-2014	United Kingdom		Bwlch Derwyn pingo	52.996	-4.304

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
014421578	16-May-2014	United Kingdom		Bwlch Derwyn pingo	52.996	-4.304
014421579	16-May-2014	United Kingdom		Cors Gyfelog	53.004	-4.297
014421580	16-May-2014	United Kingdom		Cors Gyfelog	53.004	-4.297
014421581	11-Jun-2014	United Kingdom		Cors Goch 1	53.308	-4.252
014421582	11-Jun-2014	United Kingdom		Cors Goch 2	53.31	-4.25
014421599	17-Jun-2014	United Kingdom		Pond, Bryn Ddu	53.394	-4.448
014421588	21-Mar-2014	United Kingdom		New pond, Newborough Warren	53.138	-4.362
014421584	16-May-2014	United Kingdom		Bwlch Derwyn pingo	52.996	-4.304
014421586	03-Mar-2014	United Kingdom		Quarry pool, Bangor Mtn	53.219	-4.135
014421587	14-May-2014	United Kingdom		Lefthand marsh drain, Malltraeth marsh	53.232	-4.307
014421103	13-Aug-2013	United Kingdom		Grarg Fawr	53.275	-4.573
014421104	13-Aug-2013	United Kingdom		Grarg Fawr	53.275	-4.573
014421105	30-Apr-2014	United Kingdom		Pond by A55 Froncapel	53.226	-4.26
014421988	27-Jul-2013	United Kingdom		Field pond, Dragonowen	53.247	-4.243
014421989	24-Aug-2013	United Kingdom		Bombhole wintentynan	53.687	-0.607
014421990	03-Apr-2014	United Kingdom		Great Orne resrvoir	53.337	-3.846
014421992	28-Sep-2013	United Kingdom		In flow arm Llyn Pen Y parc	53.206	-4.247
014421993	03-Sep-2013	United Kingdom		Malltraeth Marsh 1	53.216	-4.348
014421994	03-Sep-2013	United Kingdom		Malltraeth Marsh 1	53.216	-4.348

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
014421995	06-Oct-2013	United Kingdom		Seasonal pond, Pentraeth	53.281	-4.216
014421996	05-Oct-2013	United Kingdom		Para menai pond	53.198	-4.187
014421997	03-Apr-2014	United Kingdom		Great Orne resrvoir	53.337	-3.846
014421593	08-Aug-2014	United Kingdom		Llyn Idwal	53.114	-4.029
014421594	07-Feb-2014	United Kingdom		Roxby pond	53.638	-0.613
014421595	16-Jul-2014	United Kingdom		Wheel rut West Halton	53.687	-0.62
014421596	03-Aug-2014	United Kingdom		Coed plas	53.255	-4.162
014421597	09-Mar-2014	United Kingdom		Peat pool, Cwm Idwal	53.115	-4.029
014422011	12-Feb-2018	United Kingdom		Sinderland brook	53.41	-2.434
014422007	07-Feb-2018	United Kingdom		Padgate brook	53.398	-2.564
014422008	07-Feb-2018	United Kingdom		Padgate brook	53.398	-2.564
014422009	07-Feb-2018	United Kingdom		Padgate brook	53.398	-2.564
014422010	12-Feb-2018	United Kingdom		Sinderland brook	53.41	-2.434
014422006	25-Nov-2013	United Kingdom		Welland, Tinwell Mill	52.644	-0.512
014422005	11-Sep-2014	United Kingdom		Blackwater (Thames), above Whitewater	51.365	-0.935
014422000	15-Aug-2013	United Kingdom		Caeau pen y clip	53.233	-4.166
014421998	03-Apr-2014	United Kingdom		Great Orne resrvoir	53.337	-3.846
014421999	22-Sep-2013	United Kingdom		Afon Braint 1	53.222	-4.227
014421984	16-Mar-2018	United Kingdom		Shotwick Brook	53.214	-3.018
014421985	16-Mar-2018	United Kingdom		Shotwick Brook	53.214	-3.018
014421603	28-Mar-2018	United Kingdom		River Weaver	53.044	-2.51

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
014421986	04-May-2018	United Kingdom		River Weaver	53.029	-2.615
014421987	21-Mar-2018	United Kingdom		Shropshire Union Canal, Bagley Lane	52.975	-2.51
014421591	24-Apr-2018	United Kingdom		Upper Ham, Severn	52.061	-2.203
014421592	27-Apr-2018	United Kingdom		Upper Ham, Severn	52.061	-2.203
014421604		United Kingdom		Dee at Tymaen Farm	52.962	-3.054
014421583	16-May-2014	United Kingdom		Bwlch Derwyn pingo	52.996	-4.304
014421590	16-Mar-2018	United Kingdom		Garden Lake, Newstead Abbey	53.078	-1.195
014421602	26-Mar-2018	United Kingdom		Nunbumholme beck	53.924	-0.705
014422021	07-Jun-2018	United Kingdom		US Weir, Harvington Mill, Warickshire Avon	52.131	-1.905
014422013	26-Mar-2018	United Kingdom		Counter Drain, Baston Fen Nature Reserve	52.745	-0.305
014422020	10-Sep-2014	United Kingdom		River Fowey, Respryn Bridge	50.441	-4.677
014422018	04-Nov-2013	United Kingdom		Whilton Branch, Long Buckby	52.305	-1.088
014422012	29-Jun-2014	United Kingdom		Pond east of Tyddyn Adda	53.214	-4.241
014432483	08-Aug-2013	United Kingdom		West of Cartrefle Menai Bridge	53.223	-4.178
014432484	22-Sep-2014	United Kingdom		River Glen (surfleet old A16)	52.836	-0.144

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
014422022	24-Feb-2018	United Kingdom		Fairham Brook, Wilford	52.923	-1.167
014432480	10-Oct-2017	United Kingdom		Nene at Newnham	52.232	-1.21
014432481	30-Jul-2013	United Kingdom		Afon Braint Tuddyn y Falin	53.232	-4.214
014422023	29-Jul-2013	United Kingdom		Cadnant Dingle	53.236	-4.168
014432482	22-Sep-2014	United Kingdom		River Glen (surfleet old A16)	52.836	-0.144
014422024	29-Jun-2014	United Kingdom		Pond east of Tyddyn Adda	53.214	-4.241
014432479	22-Sep-2014	United Kingdom		River Glen (surfleet old A16)	52.836	-0.144
014421617	01-Apr-2020	United Kingdom	England	Botany Bay, River Lox, South East of Chiddingfold	51.1	-0.602
014421618	06-Apr-2020	United Kingdom	England	headwater of River Arun, near Ebernoe Common NR	51.037	-0.615
013264618	13-Jun-2018	United Kingdom		River Derwent, near Great Wilne	52.8776	-1.33018
014421113		United Kingdom				
013264624	04-Sep-2018	United Kingdom		Garden Lake, Newstead Abbey	53.0778	-1.19454
013269236	16-Mar-2018	United Kingdom		Shotwick Brook	53.2142	-3.01849
013265662	23-Mar-2018	United Kingdom		Afon Aber	53.2235	-4.00483
013265626	06-Mar-2018	United Kingdom		Llyn Padarn	53.1268	-4.13319
014420647	30-Apr-2014	United Kingdom		Pond by A55 Froncapel	53.2263	-4.26043

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013264645	03-Nov-2017	United Kingdom		River Wyre	53.8802	-2.78086
013266958	17-Aug-2019	United Kingdom		Wheldrake Ings Nature Reserve	53.8336	-0.946955
013571504	11-Nov-2013	United Kingdom		Mortons Leam, Eldernell Bridge	53.473	-0.01571
013391144	11-May-2018	United Kingdom		Lunan Burn at the Bridge of Essendy	56.5742	-3.38879
014420654	28-Aug-2013	United Kingdom		Far Ings	53.693	-0.477638
013269267	19-Apr-2018	United Kingdom		River Glaze	53.4261	-2.45128
013571475	22-Jun-2014	United Kingdom		Malltraeth Marsh 4	53.217	-4.32135
014420665	23-May-2018	United Kingdom		New Forest	50.87	-1.61
014421128	08-Aug-2013	United Kingdom		Cors Goch 3	53.3128	-4.25149
013269178	14-Mar-2018	United Kingdom		Dunston Bek, Linconshire	53.1478	-0.414759
013268506	21-May-2018	United Kingdom		Edgeworth Mill, Frome	51.759	-2.0695
013268865	26-Mar-2018	United Kingdom		River Otter at Dotton	51.5882	-3.31882
013266127	25-Jan-2019	United Kingdom		Quoich and Dee confluence	56.9988	-3.44682
013266366	22-Mar-2018	United Kingdom		Royal Military Canal, Bilsington	51.068	0.911127
013571413	10-Aug-2013	United Kingdom		Llyn y Fydlyn	53.3944	-4.57017
013266101	25-Jan-2019	United Kingdom		Quoich sandy	56.9999	-3.45184
013265652	07-Mar-2018	United Kingdom		Cefni Drain	53.1998	-4.33741
013266360	14-Mar-2018	United Kingdom		River Rother, Crowhurst Bridge	51.0121	0.399512
013265631	06-Mar-2018	United Kingdom		Llyn Padarn	53.1268	-4.13319
013268603	08-Jun-2018	United Kingdom		US Weir, Harvington Mill,	52.1312	-1.90456

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
				Warickshire Avon		
013266428	26-Mar-2018	United Kingdom		River Wye, Sellers Bridge	52.0768	-2.85938
014421131	02-Aug-2013	United Kingdom		Parys Mountain	53.3858	-4.33504
013267431	08-Feb-2018	United Kingdom		River Goyt	53.3615	-1.99784
013268964	26-Mar-2018	United Kingdom		Len, Spot Lane Nature Reserve	51.262	0.564392
013265633	06-Mar-2018	United Kingdom		Llyn Padarn	53.1268	-4.13319
013266384	22-Mar-2018	United Kingdom		Manor Farm, Dengemarsh Sewer	50.9296	0.915628
014421102	27-Aug-2013	United Kingdom		Dogleg pool, Winteringham	53.6923	-0.580951
013264594	24-Feb-2018	United Kingdom		Fairham Brook, Wilford	52.9233	-1.16723
013391138	04-May-2018	United Kingdom		River Lavant at Charlton	50.9096	-0.736911
014420678	26-Mar-2018	United Kingdom		Nant Cregan at Abercregan	51.6614	-3.67149
013573312	23-Sep-2014	United Kingdom		River Bradford Alport	53.1763	-1.6723
013265660	23-Mar-2018	United Kingdom		Afon Aber	53.2235	-4.00483
013269555	12-Nov-2013	United Kingdom		Maxey Cut (Welland), MaxeyHelpston Road Bridge	52.6487	-0.34246
013266132	25-Jan-2019	United Kingdom		Shee Water	56.8138	-3.46244
014421106		United Kingdom				
014421107		United Kingdom				
013268610	12-Jun-2018	United Kingdom		US Weir, Harvington Mill, Warickshire Avon	52.1312	-1.90456

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
013265260	22-Mar-2018	United Kingdom		Wood Brook, Nanpantan	52.7476	-1.25199
014420667	28-Aug-2013	United Kingdom		Far Ings	53.693	-0.477638
013265265	03-May-2018	United Kingdom		Bailey Brook, near Milnhay road	53.0141	-1.328
013571476	22-Jun-2014	United Kingdom		Malltraeth Marsh 4	53.217	-4.32135
013264623	04-Sep-2018	United Kingdom		Vicar Water, Clipstone	53.1592	-1.11854
014421108	08-Aug-2013	United Kingdom		Cors Goch 3	53.3128	-4.25149
013268566	24-May-2018	United Kingdom		Edgeworth Mill, Frome	51.759	-2.0695
013266434	14-Mar-2018	United Kingdom		Thames at Odney Stream	51.5607	-0.698603
013269363	30-Oct-2018	United Kingdom		Burrator Reservoir CPET site	50.5	-4.03886
014420642	18-Apr-2014	United Kingdom		Dogleg pool, Winteringham	53.6923	-0.580951
013265618	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
014421124	16-Aug-2013	United Kingdom		Millbank Marsh	53.2446	-4.14299
013269487	23-May-2018	United Kingdom		Dokens Water, New Forest	50.9132	-1.67748
013266393	22-Mar-2018	United Kingdom		Manor Farm, Dengemarsh Sewer	50.9296	0.915628
013571502	11-Nov-2013	United Kingdom		Mortons Leam, Eldernell Bridge	53.473	-0.01571
014420668	04-Sep-2013	United Kingdom		Newborough Forest	53.18	-4.37233
013269556	12-Nov-2013	United Kingdom		Maxey Cut (Welland),	52.6487	-0.34246

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
				MaxeyHelpston Road Bridge		
013391434	25-Nov-2013	United Kingdom		Welland, Tinwell Mill	52.6442	-0.51165
013571538	29-Oct-2013	United Kingdom		Haltham Beck, Haltham	53.1504	-0.1353
014421135	27-Aug-2013	United Kingdom		Dogleg pool, Winteringham	53.6923	-0.580951
013267411	07-Feb-2018	United Kingdom		Padgate brook	53.3977	-2.56385
013265630	06-Mar-2018	United Kingdom		Llyn Padarn	53.1268	-4.13319
013269070	12-Feb-2018	United Kingdom		Sinderland brook	53.4097	-2.43388
014421140	27-Aug-2013	United Kingdom		Dogleg pool, Winteringham	53.6923	-0.580951
013573362	22-Sep-2014	United Kingdom		Ure, downstream Kilgram Bridge	54.2676	-1.6949
011250091	08-Aug-2014	United Kingdom		Llyn Idwal	53.1136	-4.02888
013391526	11-Sep-2014	United Kingdom		Loddon Kingsbridge	51.3773	-0.972942
014421121		United Kingdom				
013267412	08-Feb-2018	United Kingdom		River Sett	53.38	-1.92615
013269256	01-May-2018	United Kingdom		River Sett	53.3814	-1.95611
013269261	29-Mar-2018	United Kingdom		Whitewell Brook	53.6935	-2.25183
013266322	26-Mar-2018	United Kingdom		River Wye, Sellers Bridge	52.0768	-2.85938
013571468	22-Jun-2014	United Kingdom		Malltraeth Marsh 2	53.2152	-4.32275
013265306	21-Mar-2018	United Kingdom		Kingston Brook, Costock	52.834	-1.1417
013269189	26-Mar-2018	United Kingdom		Counter Drain, Baston Fen Nature Reserve	52.7447	-0.305147

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013265597	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013264626	04-Sep-2018	United Kingdom		Lubbesthorpe Brook, Braunstone Town	52.6016	-1.17814
013571472	22-Jun-2014	United Kingdom		Malltraeth Marsh 4	53.217	-4.32135
013268960	26-Mar-2018	United Kingdom		Len, Spot Lane Nature Reserve	51.262	0.564392
013265634	06-Mar-2018	United Kingdom		Llyn Padarn	53.1268	-4.13319
013265604	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013265643	07-Mar-2018	United Kingdom		Braint at Tyddyn y Felin	53.2324	-4.21289
013269085	21-Mar-2018	United Kingdom		Crowden Leat	53.4897	-1.89508
013267420	08-Feb-2018	United Kingdom		River Sett	53.38	-1.92615
013268997	26-Mar-2018	United Kingdom		Pocklington Canal, Nottingham	53.8978	-0.910462
014421139	27-Aug-2013	United Kingdom		Dogleg pool, Winteringham	53.6923	-0.580951
013269242	03-May-2018	United Kingdom		Lower Wych Trib	52.9946	-2.76633
013265603	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
014420687	26-Mar-2018	United Kingdom		River Otter at Dotton	51.5882	-3.31882
013265638	06-Mar-2018	United Kingdom		Llyn Padarn	53.1268	-4.13319
013269181	26-Mar-2018	United Kingdom		Counter Drain, Baston Fen Nature Reserve	52.7447	-0.305147
013269074	15-Feb-2018	United Kingdom		Rossendale Brook	53.2223	-2.08711
013265657	07-Mar-2018	United Kingdom		Llyn Coron 2	53.2042	-4.4327

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
014420660	27-Apr-2014	United Kingdom		Corner pond, Llandegfan Common	53.2529	-4.13291
013573301	23-Sep-2014	United Kingdom		Lathkill Alport	53.1807	-1.66629
013269247	24-Apr-2018	United Kingdom		Birkin Brook	53.3638	-2.37654
013267397	07-Feb-2018	United Kingdom		Padgate brook	53.3977	-2.56385
013391074	17-Sep-2018	United Kingdom		River Fowey at Restormel	50.4212	-4.66534
013264703	18-May-2017	United Kingdom		Lee at Dobb`s Weir	51.7557	0.006063
013266238	10-Sep-2014	United Kingdom		Harrop Brook	53.3025	-2.06938
013571467	20-Jun-2014	United Kingdom		Trwynoyo yamedd	52.9382	-4.03257
014420648	22-Sep-2013	United Kingdom		Afon Braint 1	53.2224	-4.22727
014421125	18-Aug-2013	United Kingdom		Pond by strait Porthamel	53.1819	-4.23519
013265653	12-Mar-2018	United Kingdom		Hanmer Mere	52.9505	-2.81239
013266430	27-Mar-2018	United Kingdom		Counter Drain, Baston Fen Nature Reserve	52.7447	-0.305147
014421116	18-Aug-2013	United Kingdom		Pond by strait Porthamel	53.1819	-4.23519
013267278	26-Mar-2018	United Kingdom		Fen Drayton Lakes Nature Reserve	52.3024	-0.024319
014421110		United Kingdom				
014421138	27-Aug-2013	United Kingdom		Dogleg pool, Winteringham	53.6923	-0.580951
013266140	25-Jan-2019	United Kingdom		Shee Water	56.8138	-3.46244
013264699	19-Oct-2017	United Kingdom		Lee, above Dobb`s Weir	51.7554	0.00518
014420650	22-Sep-2013	United Kingdom		Afon Braint 1	53.2224	-4.22727
013267427	08-Feb-2018	United Kingdom		River Sett	53.38	-1.92615

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
013267402	08-Feb-2018	United Kingdom		River Sett	53.38	-1.92615
013265606	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013269529	06-Nov-2013	United Kingdom		Hog Dyke, Rounds (OLD A605)	52.3398	-0.54684
013269266	31-May-2018	United Kingdom		River Gowy	53.2648	-2.85447
013391396	30-Oct-2013	United Kingdom		Winterton Beck, West Halton	53.6713	-0.62404
014421118		United Kingdom				
014421127		United Kingdom				
014421109		United Kingdom				
013269028	14-Sep-2018	United Kingdom		River Walkham at Grenna Ball	50.5846	-4.01948
013269372	10-Sep-2018	United Kingdom		River Yealm at Wisdome Mill	50.4327	-3.95133
013265624	06-Mar-2018	United Kingdom		Llyn Padarn	53.1268	-4.13319
013573316	23-Sep-2014	United Kingdom		Lathkill Alport	53.1807	-1.66629
014420651	18-Sep-2013	United Kingdom		Dune pond, Newborough Warren	53.1444	-4.35542
013573395	23-Sep-2014	United Kingdom		River Great Ouse Brampton mill	52.3206	-0.204415
014421112	10-Aug-2013	United Kingdom		Llyn y Fydlyn	53.3944	-4.57017
013266174	26-Mar-2018	United Kingdom		River Blithe Hamstall Ridware	52.7693	-1.83972
013266440	14-Mar-2018	United Kingdom		Thames at Odney Stream	51.5607	-0.698603
014420672	26-Mar-2018	United Kingdom		Devil`s Brook	50.7706	-2.32506
013265622	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
013266215	26-Mar-2018	United Kingdom		Counter Drain, Baston Fen Nature Reserve	52.7447	-0.305147
014421136	27-Aug-2013	United Kingdom		Dogleg pool, Winteringham	53.6923	-0.580951
014420646	08-Oct-2013	United Kingdom		Tyddyn adda pond	53.214	-4.24181
013265639	06-Mar-2018	United Kingdom		Llyn Padarn	53.1268	-4.13319
013265610	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013267358	12-Nov-2013	United Kingdom		Maxey Cut (Welland), MaxeyHelpston Road Bridge	52.6487	-0.34246
013265325	20-Mar-2018	United Kingdom		River Fowey at Harrowbridge	50.5418	-4.5324
013265608	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
014421117		United Kingdom				
013266406	26-Mar-2018	United Kingdom		River Wye, Sellers Bridge	52.0768	-2.85938
013266378	22-Mar-2018	United Kingdom		Manor Farm, Dengemarsh Sewer	50.9296	0.915628
013267389	07-Feb-2018	United Kingdom		Padgate brook	53.3977	-2.56385
013264641	16-May-2018	United Kingdom		River Eau, Kirton road	53.4859	-0.65228
014420686	26-Mar-2018	United Kingdom		River Otter at Dotton	51.5882	-3.31882
013391408	25-Nov-2013	United Kingdom		Welland, Tinwell Mill	52.6442	-0.51165
013268996	26-Mar-2018	United Kingdom		Pocklington Canal, Nottingham	53.8978	-0.910462

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
013265594	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013266432	27-Mar-2018	United Kingdom		Counter Drain, Baston Fen Nature Reserve	52.7447	-0.305147
013264635	10-May-2018	United Kingdom		River Lathkill, near Alport lane	53.1777	-1.67168
013268574	13-Jun-2018	United Kingdom		US Weir, Harvington Mill, Warickshire Avon	52.1312	-1.90456
013268512	06-Nov-2018	United Kingdom		Kites Hill	51.816	-2.18921
013265658	07-Mar-2018	United Kingdom		Llyn Coron 2	53.2042	-4.4327
013265640	06-Mar-2018	United Kingdom		Llyn Padarn	53.1268	-4.13319
013265605	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013573345	22-Sep-2014	United Kingdom		Ure, Jervaulx	54.2697	-1.74803
013264952	26-Mar-2018	United Kingdom		River Greet, Southwell road	53.1083	-0.992554
013264592	24-Feb-2018	United Kingdom		Fairham Brook, Wilford	52.9233	-1.16723
013266955	12-Jun-2019	United Kingdom		River Wharfe	53.9685	-1.89326
013391481	03-Jul-2014	United Kingdom		Canada pond, Newborough Forest	53.1551	-4.40775
014421141	27-Aug-2013	United Kingdom		Dogleg pool, Winteringham	53.6923	-0.580951
013391340	22-Oct-2013	United Kingdom		West Glen, B1176 Burton Le Goggles	52.823	-0.53619
014420655	25-Apr-2014	United Kingdom		Cadnant Dingle	53.2361	-4.16804
014421130	30-Jul-2013	United Kingdom		Afon Braint Tuddyn y Falin	53.2316	-4.21426
014421123		United Kingdom				

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
013269249	10-May-2018	United Kingdom		River Sett	53.38	-1.92635
013269084	21-Mar-2018	United Kingdom		Crowden Leat	53.4897	-1.89508
013269179	26-Mar-2018	United Kingdom		Counter Drain, Baston Fen Nature Reserve	52.7447	-0.305147
014420681	26-Mar-2018	United Kingdom		Wye at Redbrook	51.788	-2.67601
013571393	29-Jul-2013	United Kingdom		Cadnant Dingle	53.2361	-4.16804
013265629	06-Mar-2018	United Kingdom		Llyn Padarn	53.1268	-4.13319
013265328	20-Mar-2018	United Kingdom		River Fowey at Harrowbridge	50.5418	-4.5324
014421133	28-Aug-2013	United Kingdom		Far Ings	53.693	-0.477638
013264953	15-Mar-2019	United Kingdom		New Brook, below Melbourne Pool	52.8156	-1.43279
014420682	26-Mar-2018	United Kingdom		Wye at Redbrook	51.788	-2.67601
013266394	22-Mar-2018	United Kingdom		Manor Farm, Dengemarsh Sewer	50.9296	0.915628
013269522	12-Nov-2013	United Kingdom		Brook Draw, upstream South Draw	52.6457	-0.29431
014421101		United Kingdom		New Forest	50.87	-1.61
013391415	25-Nov-2013	United Kingdom		Welland, Tinwell Mill	52.6442	-0.51165
013265654	07-Mar-2018	United Kingdom		Cefni Drain	53.1998	-4.33741
014420675	26-Mar-2018	United Kingdom		Devil`s Brook	50.7706	-2.32506
013265659	07-Mar-2018	United Kingdom		Llyn Coron 2	53.2042	-4.4327
014420643	08-Oct-2013	United Kingdom		Tyddyn adda pond	53.214	-4.24181
013269358	08-May-2018	United Kingdom		River Camel, Grogley	50.4835	-4.80081

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
014420644	08-Oct-2013	United Kingdom		Tyddyn adda pond	53.214	-4.24181
014420649	01-Apr-2014	United Kingdom		Newborough Warren	53.1526	-4.35227
014420680	26-Mar-2018	United Kingdom		Counter Drain, Baston Fen Nature Reserve	52.7447	-0.305147
013265646	07-Mar-2018	United Kingdom		Cefni Drain	53.1998	-4.33741
013265641	06-Mar-2018	United Kingdom		Llyn Coron 2	53.2042	-4.4327
013571308	29-Apr-2014	United Kingdom		Aber Cawell	53.4149	-4.31858
013265637	06-Mar-2018	United Kingdom		Llyn Padarn	53.1268	-4.13319
013269182	26-Mar-2018	United Kingdom		Counter Drain, Baston Fen Nature Reserve	52.7447	-0.305147
013573434	23-May-2018	United Kingdom		New Forest	50.87	-1.61
013391422	25-Nov-2013	United Kingdom		Welland, Tinwell Mill	52.6442	-0.51165
013391136	22-Apr-2018	United Kingdom		Surlingham Marsh	52.6108	1.40606
013267276	26-Mar-2018	United Kingdom		Fen Drayton Lakes Nature Reserve	52.3024	-0.024319
014421111		United Kingdom				
013267428	08-Feb-2018	United Kingdom		River Sett	53.38	-1.92615
013269244	24-Apr-2018	United Kingdom		Birkin Brook	53.3638	-2.37654
013268999	26-Mar-2018	United Kingdom		Pocklington Canal, Nottingham	53.8978	-0.910462
013266374	22-Mar-2018	United Kingdom		Manor Farm, Dengemarsh Sewer	50.9296	0.915628
013269549	12-Nov-2013	United Kingdom		Maxey Cut (Welland),	52.6487	-0.34246

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
				MaxeyHelpston Road Bridge		
013264587	21-Mar-2018	United Kingdom		Kingston Brook, Costock	52.834	-1.1417
011250079	09-Mar-2014	United Kingdom		Trichle, Cwm Idwal	53.111	-4.03279
013267439	12-Feb-2018	United Kingdom		Sinderland brook	53.4097	-2.43388
013266957	12-Jun-2019	United Kingdom		River Wharfe	53.9685	-1.89326
014420674	26-Mar-2018	United Kingdom		River Stour	51.9717	0.928856
013264637	23-May-2018	United Kingdom		North Soak Drain, east of A161 road	53.5901	-0.821594
014421114	02-Aug-2013	United Kingdom		Parys Mountain	53.3858	-4.33504
014420670	28-Aug-2013	United Kingdom		Far Ings	53.693	-0.477638
014420683	26-Mar-2018	United Kingdom		Wye at Redbrook	51.788	-2.67601
014420645	08-Oct-2013	United Kingdom		Tyddyn adda pond	53.214	-4.24181
013573319	23-Sep-2014	United Kingdom		River Bradford Alport	53.1763	-1.6723
013265644	07-Mar-2018	United Kingdom		Braint at Tyddyn y Felin	53.2324	-4.21289
013267426	08-Feb-2018	United Kingdom		River Sett	53.38	-1.92615
013573388	23-Sep-2014	United Kingdom		Lathkill Alport	53.1807	-1.66629
013571344	11-Jul-2014	United Kingdom		Pond 1, Cwm Silyn	53.0301	-4.22033
013265651	07-Mar-2018	United Kingdom		Cefni Drain	53.1998	-4.33741
014420666	23-May-2018	United Kingdom		Oberwater, New Forest	50.8246	-1.61693
013391134	14-Feb-2018	United Kingdom		River Dudwell	50.9679	0.282998
014420684	26-Mar-2018	United Kingdom		Llyn Fawr	51.7204	-3.56661
013265601	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
013269360	24-Apr-2018	United Kingdom		Dozmary Pool at Dozmary Pool Farm	50.5435	-4.55113
014420673	26-Mar-2018	United Kingdom		River Stour	51.9717	0.928856
013265274	22-Mar-2018	United Kingdom		Wood Brook, Nanpantan	52.7476	-1.25199
013269544	12-Nov-2013	United Kingdom		Maxey Cut (Welland), MaxeyHelpston Road Bridge	52.6487	-0.34246
014420639	18-Apr-2014	United Kingdom		Dogleg pool, Winteringham	53.6923	-0.580951
014420659	27-Apr-2014	United Kingdom		Corner pond, Llandegfan Common	53.2529	-4.13291
013266169	26-Mar-2018	United Kingdom		River Blithe Hamstall Ridware	52.7693	-1.83972
013266390	22-Mar-2018	United Kingdom		Manor Farm, Dengemarsh Sewer	50.9296	0.915628
014421115	18-Aug-2013	United Kingdom		Pond by strait Porthamel	53.1819	-4.23519
013265299	16-Mar-2018	United Kingdom		Garden Lake, Newstead Abbey	53.0778	-1.19454
013265602	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325
013265628	06-Mar-2018	United Kingdom		Llyn Padarn	53.1268	-4.13319
013265636	06-Mar-2018	United Kingdom		Llyn Padarn	53.1268	-4.13319
013573343	22-Sep-2014	United Kingdom		Ure, Jervaulx	54.2697	-1.74803
014420676	26-Mar-2018	United Kingdom		Devil`s Brook	50.7706	-2.32506
013265615	06-Mar-2018	United Kingdom		Caledffrwd at Brynrefail	53.1436	-4.15325

Sample ID	Collection Date	Country/Ocean	State/Province	Exact Site	Lat	Lon
013265266	03-May-2018	United Kingdom		Bailey Brook, near Milnhay road	53.0141	-1.328
013269012	26-Mar-2018	United Kingdom		River Stour	51.9717	0.928856
014421132	08-Aug-2013	United Kingdom		Cors Goch 3	53.3128	-4.25149
013266369	22-Mar-2018	United Kingdom		Royal Military Canal, Bilsington	51.068	0.911127
013265647	07-Mar-2018	United Kingdom		Cefni Drain	53.1998	-4.33741

Appendix 4 – Project UKAN

Project UKAN - Voucher info:

Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
014425543	014425543	014425543	NHMUK	Natural History Museum, London
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Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
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Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
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Sample ID	Field ID	Museum ID	Collection Code	Institution Storing
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Project UKAN - Taxonomy:

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425543	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Mesochorinae		Cidaphus	*Cidaphus atricillus*	
14425491	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Pimplinae	Perithoini	Perithous	*Perithous divinator*	
14425492	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Campopleginae		Tranosemella	*Tranosemella praerogator*	
14425493	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion variegatus*	
14425495	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Eridolius	*Eridolius alacer*	
14425494	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion variegatus*	
10634977	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Eremotylus	*Eremotylus marginatus*	
14425523	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ctenopelmatinae		Absyrtus	*Absyrtus vernalis*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425549	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ctenopelmatinae		Absyrtus	*Absyrtus vicinator*	
14425547	Arthropoda	Insecta	Hymenoptera	Braconidae	Rogadinae		Aleiodes	*Aleiodes praetor*	
14425542	Arthropoda	Insecta	Hymenoptera	Braconidae	Rogadinae		Aleiodes	*Aleiodes similis*	
14425533	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Cryptinae		Buathra	*Buathra laborator*	
14425414	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Mesochorinae		Cidaphus	*Cidaphus alarius*	
14425520	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ichneumoninae		Diphyus	*Diphyus quadripunctorius*	
14425497	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Enicospilus	*Enicospilus combustus*	
14425546	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Enicospilus	*Enicospilus inflexus*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425426	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Enicospilus	*Enicospilus ramidulus*	
14425502	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Enicospilus	*Enicospilus repentinus*	
14425511	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Enicospilus	*Enicospilus repentinus*	
14425517	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Enicospilus	*Enicospilus repentinus*	
14425441	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ctenopelmatinae		Hadrodactylus	*Hadrodactylus graminicola*	
14425422	Arthropoda	Insecta	Hymenoptera	Braconidae	Homolobinae		Homolobus	*Homolobus discolor*	
14425519	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ichneumoninae		Ichneumon		
14425424	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ichneumoninae		Ichneumon	*Ichneumon extensorius*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425427	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia cristata*	
14425438	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia cristata*	
14425500	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia cristata*	
14425522	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia cristata*	
14425461	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia pallescens*	
14425496	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia fuscicarpa*	
14425499	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia fuscicornis*	
14425551	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia fuscicornis*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425552	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia fuscicornis*	
14425509	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia infractor*	
14425540	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia infractor*	
14425416	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia testacea*	
14425434	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia testacea*	
14425535	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia testacea*	
14425421	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia williamsi*	
14425462	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia williamsi*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425524	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia williamsi*	
14425548	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia williamsi*	
14425460	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ctenopelmatinae	Perilissini	Opheltes	*Opheltes glaucopterus*	
14425498	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ctenopelmatinae	Perilissini	Opheltes	*Opheltes glaucopterus*	
14425428	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion brocki*	
14425442	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion brocki*	
14425513	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion brocki*	
14425423	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion costatus*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425505	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion costatus*	
14425515	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion costatus*	
14425516	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion costatus*	
14425425	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion inclinans*	
14425508	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion inclinans*	
14425463	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion luteus*	
14425521	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion minutus*	
14425433	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion mocsaryi*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425432	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion ocellaris*	
14425437	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion ocellaris*	
14425440	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion paraparvulus*	
14425476	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion paraparvulus*	
14425431	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion parvulus*	
14425435	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion parvulus*	
14425439	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion parvulus*	
14425451	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion parvulus*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425527	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion parvulus*	
14425532	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion scutellaris*	
14425429	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion slaviceki*	
14425504	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion slaviceki*	
14425506	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion slaviceki*	
14425507	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion slaviceki*	
14425510	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion slaviceki*	
14425430	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion splendens*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425436	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion splendens*	
14425528	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion splendens*	
14425529	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion splendens*	
14425531	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion splendens*	
14425537	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion sylvestris*	
14425539	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion sylvestris*	
14425512	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion tenuicornis*	
14425514	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion tenuicornis*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425534	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion variegatus*	
14425536	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion variegatus*	
14425538	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion variegatus*	
14425415	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion ventricosus*	
14425550	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion wuestneii*	
14425459	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ctenopelmatinae		Perilissus	*Perilissus albitarsis*	
14425545	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Stauropoctonus	*Stauropoctonus bombycivorus*	
14425420	Arthropoda	Insecta	Hymenoptera	Braconidae	Euphorinae	Meteorini	Zele	*Zele albiditarsus*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425541	Arthropoda	Insecta	Hymenoptera	Braconidae	Euphorinae	Meteorini	Zele	*Zele chlorophthalmus*	
14425503	Arthropoda	Insecta	Hymenoptera	Braconidae	Euphorinae	Meteorini	Zele	*Zele deceptor*	
14425466	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion arenarius*	
14111535	Arthropoda	Insecta	Diptera	Bombyliidae	Bombyliinae	Bombyliini	Bombylius	*Bombylius discolor*	
14111536	Arthropoda	Insecta	Diptera	Syrphidae	Eristalinae		Rhingia	*Rhingia campestris*	
14111537	Arthropoda	Insecta	Diptera	Syrphidae	Syrphinae		Epistrophe	*Epistrophe eligans*	
14111538	Arthropoda	Insecta	Diptera	Scathophagidae	Scathophaginae	Scathophagini	Scathophaga	*Scathophaga stercoraria*	
14111539	Arthropoda	Insecta	Diptera	Syrphidae	Eristalinae	Eristalini	Eristalis	*Eristalis pertinax*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14111540	Arthropoda	Insecta	Diptera	Bibionidae	Bibioninae		Bibio	*Bibio marci*	
14111541	Arthropoda	Insecta	Diptera	Tipulidae	Tipulinae		Tipula	*Tipula paludosa*	
14111542	Arthropoda	Insecta	Diptera	Syrphidae	Eristalinae		Myathropa	*Myathropa florea*	
14111543	Arthropoda	Insecta	Diptera	Empididae	Empidinae	Empidini	Rhamphomyia	*Rhamphomyia crassirostris*	
14111544	Arthropoda	Insecta	Diptera	Muscidae	Phaoniinae		Phaonia	*Phaonia subventa*	
14111545	Arthropoda	Insecta	Hymenoptera	Apidae	Nomadinae	Nomadini	Nomada	*Nomada marshamella*	
14111546	Arthropoda	Insecta	Hymenoptera	Apidae	Nomadinae	Nomadini	Nomada	*Nomada leucophthalma*	
14111547	Arthropoda	Insecta	Diptera	Stratiomyidae	Sarginae		Sargus	*Sargus iridatus*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14111548	Arthropoda	Insecta	Hymenoptera	Apidae	Apinae	Bombini	Bombus	*Bombus pratorum*	
14111549	Arthropoda	Insecta	Diptera	Muscidae	Reinwardtiinae		Muscina	*Muscina prolapsa*	
14111550	Arthropoda	Insecta	Diptera	Fanniidae			Fannia	*Fannia lustrator*	
14111551	Arthropoda	Insecta	Hemiptera	Pentatomidae	Pentatominae		Palomena	*Palomena prasina*	
14111552	Arthropoda	Insecta	Diptera	Muscidae	Muscinae		Neomyia	*Neomyia cornicina*	
14111553	Arthropoda	Insecta	Diptera	Sarcophagidae	Miltogramminae		Amobia	*Amobia signata*	
14111554	Arthropoda	Insecta	Diptera	Dolichopodidae	Dolichopodinae		Dolichopus	*Dolichopus ungulatus*	
14111555	Arthropoda	Insecta	Diptera	Rhagionidae	Chrysopilinae		Chrysopilus	*Chrysopilus cristatus*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14111556	Arthropoda	Insecta	Diptera	Rhagionidae	Chrysopilinae		Chrysopilus	*Chrysopilus asiliformis*	
14111557	Arthropoda	Insecta	Diptera	Syrphidae	Eristalinae		Merodon	*Merodon equestris*	
14111558	Arthropoda	Insecta	Hemiptera	Membracidae	Centrotinae		Centrotus	*Centrotus cornutus*	
14111559	Arthropoda	Insecta	Diptera	Empididae	Empidinae	Empidini	Empis	*Empis livida*	
14111560	Arthropoda	Insecta	Diptera	Scathophagidae	Scathophaginae	Scathophagini	Scathophaga	*Scathophaga furcata*	
14111562	Arthropoda	Insecta	Diptera	Stratiomyidae	Sarginae		Chloromyia	*Chloromyia formosa*	
14111563	Arthropoda	Insecta	Lepidoptera	Choreutidae	Choreutinae		Anthophila	*Anthophila fabriciana*	
14111564	Arthropoda	Insecta	Coleoptera	Cantharidae	Cantharinae	Cantharini	Cantharis	*Cantharis cryptica*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14111565	Arthropoda	Insecta	Diptera	Dolichopodidae	Dolichopodinae		Dolichopus	*Dolichopus plumipes*	
14111566	Arthropoda	Insecta	Diptera	Dolichopodidae	Dolichopodinae		Poecilobothrus	*Poecilobothrus nobilitatus*	
14111567	Arthropoda	Insecta	Diptera	Opomyzidae			Opomyza	*Opomyza petrei*	
14111568	Arthropoda	Insecta	Diptera	Tachinidae	Tachininae	Siphonini	Siphona	*Siphona geniculata*	
14111569	Arthropoda	Insecta	Diptera	Empididae	Empidinae	Empidini	Rhamphomyia	*Rhamphomyia flava*	
14111570	Arthropoda	Insecta	Diptera	Asilidae	Dioctriinae		Dioctria	*Dioctria linearis*	
14111571	Arthropoda	Insecta	Diptera	Stratiomyidae	Sarginae		Microchrysa	*Microchrysa flavicornis*	
14111572	Arthropoda	Insecta	Diptera	Stratiomyidae	Beridinae		Beris	*Beris fuscipes*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14111573	Arthropoda	Insecta	Diptera	Stratiomyidae	Beridinae		Beris	*Beris vallata*	
14111574	Arthropoda	Insecta	Diptera	Dolichopodidae	Dolichopodinae		Dolichopus	*Dolichopus trivialis*	
14111575	Arthropoda	Insecta	Hemiptera	Miridae	Orthotylinae		Heterotoma	*Heterotoma planicornis*	
14111576	Arthropoda	Insecta	Hemiptera	Miridae	Mirinae	Mirini	Grypocoris	*Grypocoris stysi*	
14111577	Arthropoda	Insecta	Hemiptera	Miridae	Mirinae		Leptopterna	*Leptopterna dolabrata*	
14111578	Arthropoda	Insecta	Hemiptera	Aphrophoridae	Aphrophorinae		Aphrophora	*Aphrophora alni*	
14111579	Arthropoda	Insecta	Diptera	Dolichopodidae	Dolichopodinae		Dolichopus	*Dolichopus griseipennis*	
14111587	Arthropoda	Insecta	Diptera	Rhinophoridae			Rhinophora	*Rhinophora lepida*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14111588	Arthropoda	Insecta	Hymenoptera	Gasteruptiidae	Gasteruptiinae		Gasteruption	*Gasteruption jaculator*	
14111589	Arthropoda	Insecta	Diptera	Stratiomyidae	Beridinae		Chorisops	*Chorisops tibialis*	
14111590	Arthropoda	Insecta	Diptera	Dolichopodidae	Hydrophorinae		Machaerium	*Machaerium maritimae*	
14036717	Arthropoda	Insecta	Diptera	Tephritidae	Tephritinae	Tephritini	Campiglossa	*Campiglossa plantaginis*	
14036718	Arthropoda	Insecta	Diptera	Therevidae	Therevinae		Thereva	*Thereva nobilitata*	
14036719	Arthropoda	Insecta	Diptera	Dolichopodidae	Dolichopodinae		Hercostomus	*Hercostomus gracilis*	
14036720	Arthropoda	Insecta	Diptera	Dolichopodidae	Dolichopodinae		Hercostomus	*Hercostomus nigriplantis*	
14036721	Arthropoda	Insecta	Diptera	Tachinidae	Exoristinae	Blondeliini	Gastrolepta	*Gastrolepta anthracina*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14036722	Arthropoda	Insecta	Diptera	Syrphidae	Syrphinae	Syrphini	Sphaerophoria	*Sphaerophoria scripta*	
14111603	Arthropoda	Insecta	Coleoptera	Tenebrionidae	Tenebrioninae	Tenebrionini	Tenebrio	*Tenebrio molitor*	
14111604	Arthropoda	Insecta	Diptera	Dolichopodidae	Dolichopodinae		Dolichopus	*Dolichopus festivus*	
14111605	Arthropoda	Insecta	Diptera	Syrphidae	Eristalinae		Chrysogaster	*Chrysogaster solstitialis*	
14111606	Arthropoda	Insecta	Diptera	Tachinidae	Tachininae	Megaprosopini	Dexiosoma	*Dexiosoma caninum*	
14036723	Arthropoda	Insecta	Diptera	Anthomyiidae	Anthomyiinae	Anthomyiini	Hylemya	*Hylemya vagans*	
14036725	Arthropoda	Insecta	Orthoptera	Tettigoniidae	Meconematinae		Meconema	*Meconema thalassinum*	
14036726	Arthropoda	Insecta	Lepidoptera	Geometridae	Ennominae		Opisthograptis	*Opisthograptis luteolata*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14036727	Arthropoda	Insecta	Diptera	Stratiomyidae	Beridinae		Beris	*Beris morrisii*	
14036728	Arthropoda	Insecta	Diptera	Empididae	Empidinae	Empidini	Empis	*Empis lutea*	
14036729	Arthropoda	Insecta	Diptera	Syrphidae	Eristalinae	Merodontini	Eumerus	*Eumerus funeralis*	
14036730	Arthropoda	Insecta	Hymenoptera	Tenthredinidae	Allantinae		Athalia	*Athalia rosae*	
14036759	Arthropoda	Insecta	Diptera	Tachinidae	Dexiinae	Dexiini	Dinera	*Dinera carinifrons*	
14036760	Arthropoda	Insecta	Lepidoptera	Erebidae	Arctiinae	Lithosiini	Eilema	*Eilema lurideola*	
14036761	Arthropoda	Insecta	Coleoptera	Scarabaeidae	Aphodiinae	Aphodiini	Acrossus	*Acrossus rufipes*	
14036762	Arthropoda	Insecta	Lepidoptera	Crambidae	Pyraustinae		Pyrausta	*Pyrausta aurata*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14036724	Arthropoda	Insecta	Hemiptera	Acanthosomatidae	Acanthosomatinae		Elasmostethus	*Elasmostethus interstinctus*	
14036763	Arthropoda	Insecta	Diptera	Tachinidae	Tachininae	Tachinini	Tachina	*Tachina fera*	
14036764	Arthropoda	Insecta	Diptera	Tachinidae	Tachininae	Ernestiini	Eurithia	*Eurithia anthophila*	
14036765	Arthropoda	Insecta	Diptera	Asilidae	Asilinae		Tolmerus	*Tolmerus atricapillus*	
14036766	Chordata	Reptilia	Squamata	Anguidae	Anguinae		Anguis	*Anguis fragilis*	
14036767	Arthropoda	Insecta	Orthoptera	Tettigoniidae	Conocephalinae	Conocephalini	Conocephalus	*Conocephalus fuscus*	*Conocephalus fuscus fuscus*
14036768	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion obscuratus*	
14036769	Arthropoda	Insecta	Diptera	Muscidae	Phaoniinae		Phaonia	*Phaonia valida*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14036770	Arthropoda	Insecta	Diptera	Muscidae	Phaoniinae		Phaonia	*Phaonia tuguriorum*	
14036771	Arthropoda	Insecta	Diptera	Sciomyzidae	Sciomyzinae		Tetanocera	*Tetanocera hyalipennis*	
14036772	Arthropoda	Insecta	Diptera	Sciomyzidae	Sciomyzinae		Pherbina	*Pherbina coryleti*	
14036801	Arthropoda	Insecta	Diptera	Stratiomyidae	Sarginae		Sargus	*Sargus bipunctatus*	
14036802	Arthropoda	Insecta	Diptera	Syrphidae	Syrphinae		Baccha	*Baccha elongata*	
14036803	Arthropoda	Insecta	Diptera	Tachinidae	Dexiinae	Voriini	Voria	*Voria ruralis*	
14036804	Arthropoda	Insecta	Diptera	Syrphidae	Syrphinae		Melanostoma	*Melanostoma mellinum*	
14036805	Arthropoda	Insecta	Diptera	Muscidae	Azeliinae		Thricops	*Thricops diaphanus*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14036806	Arthropoda	Insecta	Coleoptera	Silphidae	Nicrophorinae		Nicrophorus	*Nicrophorus vespilloides*	
14036807	Arthropoda	Insecta	Diptera	Heleomyzidae	Suilliinae	Suilliini	Suillia	*Suillia humilis*	
14036808	Arthropoda	Insecta	Diptera	Lonchopteridae			Lonchoptera	*Lonchoptera tristis*	
14036810	Arthropoda	Insecta	Diptera	Pallopteridae	Pallopterinae		Toxonevra	*Toxonevra muliebris*	
14036811	Arthropoda	Insecta	Diptera	Hybotidae	Hybotinae	Hybotini	Hybos	*Hybos culiciformis*	
14036812	Arthropoda	Insecta	Hymenoptera	Formicidae	Formicinae	Formicini	Formica	*Formica rufa*	
14036813	Arthropoda	Insecta	Diptera	Empididae	Clinocerinae		Clinocera	*Clinocera fontinalis*	
14036814	Arthropoda	Insecta	Diptera	Keroplatidae	Macrocerinae	Macrocerini	Macrocera	*Macrocera longibrachiata*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14036843	Arthropoda	Insecta	Diptera	Limoniidae	Limoniinae		Limonia	*Limonia nubeculosa*	
14036844	Arthropoda	Insecta	Diptera	Dryomyzidae	Dryomyzinae		Dryope	*Dryope flaveola*	
14425544	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion arenarius*	
14425465	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Ophioninae		Ophion	*Ophion arenarius*	
14036809	Arthropoda	Insecta	Diptera	Brachystomatidae	Trichopezinae		Trichopeza	*Trichopeza longicornis*	
14425530	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Orthomiscus	*Orthomiscus pectoralis*	
14425624	Arthropoda	Insecta	Hymenoptera	Chalcididae	Haltichellinae		Haltichella	*Haltichella rufipes*	
14425618	Arthropoda	Insecta	Hymenoptera	Braconidae	Aphidiinae		Aphidius	*Aphidius ervi*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425627	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Orthocentrinae		Stenomacrus		
14425635	Arthropoda	Insecta	Hymenoptera	Braconidae	Aphidiinae		Aphidius		
14425633	Arthropoda	Insecta	Hymenoptera	Braconidae	Opiinae		Opius		
14425640	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Cryptinae		Aclastus		
14425639	Arthropoda	Insecta	Hymenoptera	Bethylidae	Epyrinae		Epyris		
14425631	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Metopiinae		Hypsicera		
14425641	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Cryptinae		Theroscopus		
14425642	Arthropoda	Insecta	Hymenoptera	Braconidae	Alysiinae		Phaenocarpa		

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425619	Arthropoda	Insecta	Hymenoptera	Braconidae	Aphidiinae		Ephedrus		
14425620	Arthropoda	Insecta	Hymenoptera	Braconidae	Opiinae		Phaedrotoma		
14425621	Arthropoda	Insecta	Hymenoptera	Braconidae	Alysiinae		Cratospila	*Cratospila circe*	
14425636	Arthropoda	Insecta	Hymenoptera	Braconidae	Aphidiinae		Aphidius		
14425628	Arthropoda	Insecta	Hymenoptera	Braconidae	Opiinae		Phaedrotoma		
14425622	Arthropoda	Insecta	Hymenoptera	Braconidae	Alysiinae		Dinotrema		
14425616	Arthropoda	Insecta	Hymenoptera	Braconidae	Aphidiinae		Dyscritulus	*Dyscritulus planiceps*	
14425632	Arthropoda	Insecta	Hymenoptera	Dryinidae	Aphelopinae		Aphelopus		

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14425638	Arthropoda	Insecta	Hymenoptera	Braconidae	Aphidiinae		Aphidius		
14425626	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Orthocentrinae		Stenomacrus		
14425630	Arthropoda	Insecta	Hymenoptera	Braconidae	Aphidiinae		Ephedrus		
14425623	Arthropoda	Insecta	Hymenoptera	Braconidae	Alysiinae		Dinotrema		
14425637	Arthropoda	Insecta	Hymenoptera	Braconidae	Aphidiinae		Ephedrus		
14425625	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Orthocentrinae		Stenomacrus		
14425634	Arthropoda	Insecta	Hymenoptera	Pteromalidae	Pteromalinae		Pteromalus		
14425617	Arthropoda	Insecta	Hymenoptera	Braconidae	Aphidiinae		Aphidius	*Aphidius ervi*	

Sample ID	Phylum	Class	Order	Family	Subfamily	Tribe	Genus	Species	Subspecies
14421598	Arthropoda	Insecta	Hymenoptera	Tenthredinidae	Blennocampinae		Rhadinoceraea	*Rhadinoceraea micans*	
14425418	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia virgata*	
14425501	Arthropoda	Insecta	Hymenoptera	Ichneumonidae	Tryphoninae		Netelia	*Netelia virgata*	
14111561	Arthropoda	Insecta	Diptera	Lauxaniidae	Lauxaniinae		Lyciella	*Lyciella decipiens*	

Project UKAN - Specimen details

Sample ID	Sex	Reproduction	Life Stage
14425543	M		Adult
14425491	F		Adult
14425492	F		Adult
14425493	M		Adult
14425495	M		Adult
14425494	M		Adult
10634977	M		Adult
14425523	F		Adult
14425549	M		Adult
14425547	F		Adult
14425542	M		Adult
14425533	M		Adult
14425414	M		Adult
14425520	F		Adult
14425497	F		Adult
14425546	F		Adult
14425426	F		Adult
14425502	F		Adult
14425511	F		Adult
14425517	F		Adult
14425441	F		Adult
14425422	F		Adult
14425519	M		Adult
14425424	M		Adult
14425427	F		Adult
14425438	F		Adult
14425500	F		Adult
14425522	F		Adult
14425461	M		Adult
14425496	F		Adult
14425499	F		Adult
14425551	M		Adult
14425552	M		Adult
14425509	M		Adult
14425540	M		Adult
14425416	M		Adult
14425434	M		Adult
14425535	M		Adult
14425421	F		Adult
14425462	M		Adult
14425524	F		Adult

Sample ID	Sex	Reproduction	Life Stage
14111554			
14111555			
14111556			
14111557			
14111558			
14111559			
14111560			
14111562			
14111563			
14111564			
14111565			
14111566			
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14111590			
14036717			
14036718			
14036719			
14036720			
14036721			
14036722			
14111603			
14111604			
14111605			
14111606			
14036723			
14036725			

Sample ID	Sex	Reproduction	Life Stage
14425548	F		Adult
14425460	F		Adult
14425498	F		Adult
14425428	M		Adult
14425442	M		Adult
14425513	M		Adult
14425423	F		Adult
14425505	M		Adult
14425515	F		Adult
14425516	F		Adult
14425425	M		Adult
14425508	F		Adult
14425463	F		Adult
14425521	F		Adult
14425433	F		Adult
14425432	F		Adult
14425437	M		Adult
14425440	F		Adult
14425476	F		Adult
14425431	F		Adult
14425435	M		Adult
14425439	F		Adult
14425451	M		Adult
14425527	M		Adult
14425532	F		Adult
14425429	F		Adult
14425504	M		Adult
14425506	F		Adult
14425507	F		Adult
14425510	F		Adult
14425430	F		Adult
14425436	F		Adult
14425528	M		Adult
14425529	M		Adult
14425531	M		Adult
14425537	F		Adult
14425539	F		Adult
14425512	M		Adult
14425514	M		Adult
14425534	M		Adult
14425536	F		Adult
14425538	F		Adult
14425415	F		Adult

Sample ID	Sex	Reproduction	Life Stage
14036726			
14036727			
14036728			
14036729			
14036730			
14036759			
14036760			
14036761			
14036762			
14036724			
14036763			
14036764			
14036765			
14036766			
14036767			
14036768			
14036769			
14036770			
14036771			
14036772			
14036801			
14036802			
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14036804			
14036805			
14036806			
14036807			
14036808			
14036810			
14036811			
14036812			
14036813			
14036814			
14036843			
14036844			
14425544	F		Adult
14425465	M		Adult
14036809			
14425530	F		Adult
14425624			Adult
14425618			Adult
14425627			Adult
14425635			Adult

Sample ID	Sex	Reproduction	Life Stage
14425550	M		Adult
14425459	M		Adult
14425545	M		Adult
14425420	F		Adult
14425541	M		Adult
14425503	F		Adult
14425466	F		Adult
14111535			
14111536			
14111537			
14111538			
14111539			
14111540			
14111541			
14111542			
14111543			
14111544			
14111545			
14111546			
14111547			
14111548			
14111549			
14111550			
14111551			
14111552			
14111553			

Sample ID	Sex	Reproduction	Life Stage
14425633			Adult
14425640			Adult
14425639			Adult
14425631			Adult
14425641			Adult
14425642			Adult
14425619			Adult
14425620			Adult
14425621			Adult
14425636			Adult
14425628			Adult
14425622			Adult
14425616			Adult
14425632			Adult
14425638			Adult
14425626			Adult
14425630			Adult
14425623			Adult
14425637			Adult
14425625			Adult
14425634			Adult
14425617			Adult
14421598			Larva
14425418	M		Adult
14425501	M		Adult
14111561			

Project UKAN - Collection data:

Collection Date	Country/Ocean	State/Province	Region	Sector	Exact Site	Lat	Lon
01-Jan-19	United Kingdom	England	Herefordshire		Bringsty Common	52.1866	-2.4374
25-Dec-20	United Kingdom	England	Bedfordshire		Clifton		
09-Jan-21	United Kingdom	England	Kent		Tonbridge	51.186	0.287
19-Jan-21	United Kingdom	England	Essex		Magdalen Laver		
17-Nov-20	United Kingdom	England	Gloucestershire		Corse		
13-Jan-21	United Kingdom	England	Gloucestershire		Corse		
01-May-20	United Kingdom	England	Gloucestershire		Corse		
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
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01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
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01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
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01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969

Collection Date	Country/Ocean	State/Province	Region	Sector	Exact Site	Lat	Lon
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
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01-Jan-20	United Kingdom					54.163	-2.8969
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01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969

Collection Date	Country/Ocean	State/Province	Region	Sector	Exact Site	Lat	Lon
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
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01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969

Collection Date	Country/Ocean	State/Province	Region	Sector	Exact Site	Lat	Lon
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
01-Jan-20	United Kingdom					54.163	-2.8969
10-Aug-20	United Kingdom				Hilbre Island, Dee Estuary.		
09-Apr-20	United Kingdom	England			Orchard House	50.9674	-2.67787
20-Apr-20	United Kingdom	England			Orchard House	50.9674	-2.67787
20-Apr-20	United Kingdom	England			Orchard House	50.9674	-2.67787
20-Apr-20	United Kingdom	England			Orchard House	50.9674	-2.67787
20-Apr-20	United Kingdom	England			Orchard House	50.9674	-2.67787
22-Apr-20	United Kingdom	England			Orchard House	50.9674	-2.67787
23-Apr-20	United Kingdom	England			Orchard House	50.9674	-2.67787
24-Apr-20	United Kingdom	England			Orchard House	50.9674	-2.67787
24-Apr-20	United Kingdom	England			Orchard House	50.9674	-2.67787
02-May-20	United Kingdom	England			Orchard House	50.9674	-2.67787
04-May-20	United Kingdom	England			Orchard House	50.9674	-2.67787
07-May-20	United Kingdom	England			Orchard House	50.9674	-2.67787
07-May-20	United Kingdom	England			Orchard House	50.9674	-2.67787

Collection Date	Country/Ocean	State/Province	Region	Sector	Exact Site	Lat	Lon
07-May-20	United Kingdom	England			Orchard House	50.9674	-2.67787
28-Apr-20	United Kingdom	England			Orchard House	50.9674	-2.67787
08-May-20	United Kingdom	England			Orchard House	50.9674	-2.67787
17-May-20	United Kingdom	England			Orchard House	50.9674	-2.67787
22-May-20	United Kingdom	England			Orchard House	50.9674	-2.67787
22-May-20	United Kingdom	England			Orchard House	50.9674	-2.67787
02-Jun-20	United Kingdom	England			Bracketts Coppice	50.8623	-2.68908
02-Jun-20	United Kingdom	England			Bracketts Coppice	50.8623	-2.68908
02-Jun-20	United Kingdom	England			Bracketts Coppice	50.8623	-2.68908
05-Jun-20	United Kingdom	England			Orchard House	50.9674	-2.67787
07-Jun-20	United Kingdom	England			Shapwick Heath NNR	51.1653	-2.82516
07-Jun-20	United Kingdom	England			Shapwick Heath NNR	51.1653	-2.82516
02-Jun-20	United Kingdom	England			Bracketts Coppice	50.8623	-2.68908
14-Jun-20	United Kingdom	England			Black Hole Marsh	50.7183	-3.06235
14-Jun-20	United Kingdom	England			Colyford Common	50.7237	-3.06247
14-Jun-20	United Kingdom	England			Black Hole Marsh	50.7183	-3.06235
14-Jun-20	United Kingdom	England			Colyford Common	50.7237	-3.06247

Collection Date	Country/Ocean	State/Province	Region	Sector	Exact Site	Lat	Lon
14-Jun-20	United Kingdom	England			Black Hole Marsh	50.7183	-3.06235
14-Jun-20	United Kingdom	England			Holyford Woods	50.7225	-3.08936
14-Jun-20	United Kingdom	England			Black Hole Marsh	50.7183	-3.06235
14-Jun-20	United Kingdom	England			Holyford Woods	50.7225	-3.08936
24-Jun-20	United Kingdom	England			West Coker Fen	50.9206	-2.70559
24-Jun-20	United Kingdom	England			West Coker Fen	50.9206	-2.70559
24-Jun-20	United Kingdom	England			West Coker Fen	50.9206	-2.70559
24-Jun-20	United Kingdom	England			West Coker Fen	50.9206	-2.70559
01-Jul-20	United Kingdom	England			Orchard House	50.9674	-2.67787
01-Jul-20	United Kingdom	England			Orchard House	50.9674	-2.67787
24-Jun-20	United Kingdom	England			West Coker Fen	50.9206	-2.70559
24-Jun-20	United Kingdom	England			West Coker Fen	50.9206	-2.70559
24-Jun-20	United Kingdom	England			West Coker Fen	50.9206	-2.70559
02-Jul-20	United Kingdom	England			Orchard House	50.9674	-2.67787
17-Jul-20	United Kingdom	England			Orchard House	50.9674	-2.67787
17-Jul-20	United Kingdom	England			Orchard House	50.9674	-2.67787
17-Jul-20	United Kingdom	England			Orchard House	50.9674	-2.67787

Collection Date	Country/Ocean	State/Province	Region	Sector	Exact Site	Lat	Lon
18-Jul-20	United Kingdom	England			Horsey Sea Wall	51.0875	-4.17126
18-Jul-20	United Kingdom	England			Horsey Sea Wall	51.0875	-4.17126
18-Jul-20	United Kingdom	England			Braunton Burrows	51.0721	-4.19523
18-Jul-20	United Kingdom	England			Braunton Burrows	51.0721	-4.19523
18-Jul-20	United Kingdom	England			Braunton Burrows	51.0721	-4.19523
18-Jul-20	United Kingdom	England			Braunton Burrows	51.0721	-4.19523
18-Jul-20	United Kingdom	England			Braunton Burrows	51.0721	-4.19523
10-Jul-20	United Kingdom	England			Farm Lane	53.3679	-2.56881
29-Jul-20	United Kingdom	England			Orchard House	50.9674	-2.67787
29-Jul-20	United Kingdom	England			Orchard House	50.9674	-2.67787
31-Jul-20	United Kingdom	England			Bracketts Coppice	50.8623	-2.68908
02-Aug-20	United Kingdom	England			Tor Woods	50.2237	-3.79012
06-Aug-20	United Kingdom	England			Orchard House	50.9674	-2.67787
07-Aug-20	United Kingdom	England			Orchard House	50.9674	-2.67787
07-Aug-20	United Kingdom	England			Hibbett Woods	50.8652	-2.64507
07-Aug-20	United Kingdom	England			Hibbett Woods	50.8652	-2.64507
09-Aug-20	United Kingdom	England			Frogmore	50.2696	-3.72588

Collection Date	Country/Ocean	State/Province	Region	Sector	Exact Site	Lat	Lon
02-Aug-20	United Kingdom	England			Tor Woods	50.2237	-3.79012
09-Aug-20	United Kingdom	England			Prawle Point	50.2121	-3.72661
08-Aug-20	United Kingdom	England			Orchard House	50.9674	-2.67787
08-Aug-20	United Kingdom	England			Orchard House	50.9674	-2.67787
12-Aug-20	United Kingdom	England			Orchard House	50.9674	-2.67787
26-Aug-20	United Kingdom	England			Orchard House	50.9674	-2.67787
30-Aug-20	United Kingdom	England			West Coker Fen	50.9206	-2.70559
30-Aug-20	United Kingdom	England			West Coker Fen	50.9206	-2.70559
30-Aug-20	United Kingdom	England			West Coker Fen	50.9206	-2.70559
02-Sep-20	United Kingdom	England			Orchard House	50.9674	-2.67787
11-Sep-20	United Kingdom	England			Shapwick Heath NNR	51.1653	-2.82516
10-Sep-20	United Kingdom	England			Orchard House	50.9674	-2.67787
11-Sep-20	United Kingdom	England			Shapwick Heath NNR	51.1653	-2.82516
11-Sep-20	United Kingdom	England			Shapwick Heath NNR	51.1653	-2.82516
11-Sep-20	United Kingdom	England			Shapwick Heath NNR	51.1653	-2.82516
11-Sep-20	United Kingdom	England			Shapwick Heath NNR	51.1653	-2.82516
16-Sep-20	United Kingdom	England			Orchard House	50.9674	-2.67787

Collection Date	Country/Ocean	State/Province	Region	Sector	Exact Site	Lat	Lon
16-Sep-20	United Kingdom	England			Orchard House	50.9674	-2.67787
16-Sep-20	United Kingdom	England			Orchard House	50.9674	-2.67787
16-Sep-20	United Kingdom	England			Orchard House	50.9674	-2.67787
19-Sep-20	United Kingdom	England			Ausewell Woods	50.5295	-3.79179
19-Sep-20	United Kingdom	England			Ausewell Woods	50.5295	-3.79179
19-Sep-20	United Kingdom	England			Ausewell Woods	50.5295	-3.79179
19-Sep-20	United Kingdom	England			Ausewell Woods	50.5295	-3.79179
19-Sep-20	United Kingdom	England			Ausewell Woods	50.5295	-3.79179
19-Sep-20	United Kingdom	England			Ausewell Woods	50.5295	-3.79179
19-Sep-20	United Kingdom	England			Ausewell Woods	50.5295	-3.79179
19-Sep-20	United Kingdom	England			Ausewell Woods	50.5295	-3.79179
19-Sep-20	United Kingdom	England			Ausewell Woods	50.5295	-3.79179
19-Sep-20	United Kingdom	England			Ausewell Woods	50.5295	-3.79179
15-Nov-20	United Kingdom	England			Combe Hollow	51.0909	-2.71032
01-Jan-20	United Kingdom	England	Herefordshire		Bringsty Common	52.1866	-2.4374
10-Aug-20	United Kingdom				Hilbre Island, Dee Estuary.		
19-Sep-20	United Kingdom	England			Ausewell Woods	50.5295	-3.79179
03-Aug-19	United Kingdom	England	Lincolnshire		Laughton Forest		

Collection Date	Country/Ocean	State/Province	Region	Sector	Exact Site	Lat	Lon
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
03-Apr-20	United Kingdom	England	Hertfordshire		Hitchin, Hampden Road	51.957	-0.2525
18-Jun-14	United Kingdom				Malltraeth marsh, by railway	53.1945	-4.37104
01-Jan-20	United Kingdom					54.163	-2.8969

Collection Date	Country/Ocean	State/Province	Region	Sector	Exact Site	Lat	Lon
01-Jan-20	United Kingdom					54.163	-2.8969
07-Jun-20	United Kingdom	England			Shapwick Heath NNR	51.1653	-2.82516

Natural England is here to secure a healthy natural environment for people to enjoy, where wildlife is protected and England's traditional landscapes are safeguarded for future generations.

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