

Data Standards for Interstate Certificates of Veterinary Inspection (ICVI)

USDA/APHIS/Veterinary Services

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Foreword

Safeguarding animal health in the United States is achieved through State, Federal, and industry collaboration. As part of its role in this collaboration, the U.S. Department of Agriculture's Animal and Plant Health Inspection Service (APHIS), Veterinary Services (VS) institutes regulations governing animal disease traceability and health certifications of various classes of animals moving interstate. It is the purpose of this document to define the data concepts that are associated with electronically generated Interstate Certificates of Veterinary Inspection (ICVI).

Several States and private entities have developed or are developing electronic versions of ICVIs for use by State animal health officials and accredited veterinarians. In order to be better prepared for any animal health event, systems that use a set of common data elements and that have clearly documented methods for effective data exchange will greatly shorten the response time associated with the traceability of animals moved through interstate commerce.

A common set of data elements is necessary for any entity; Federal, State, or private, to effectively share information for the purposes of animal disease traceability and as an overall part of an integrated national surveillance strategy. Additionally, standards are required that allow for effective, error-free data exchange. To ensure congruency and to facilitate discussion and implementation of data-sharing requirements among States, Tribes, eCVI vendors, and industry stakeholders, VS, in collaboration with the National Assembly of State Animal Health Officials, is publishing this set of standards for all systems choosing to generate ICVI data.

These standards were derived from the standard set of data fields identified by the National Assembly of Chief Livestock Health Officials as necessary to comprise an official ICVI. Additionally, data tables were selected based on the established data tables in the Surveillance Collaborative Services (SCS) system. This harmonization between SCS and standard ICVI data was done in order for data to be readily extracted from an ICVI system and compared to data in the standardized SCS system, being deployed as a cooperative State/Federal surveillance system.

Certificate data residing within an approved ICVI system should meet the established requirements for the interstate movement of livestock. The approval process within any system that generates an ICVI should comply with any approved approval process and requirement for the movement of livestock between two States. However, the data within an ICVI system does not constitute an approved movement unless that data was associated with an officially approved certificate.

Introduction to Data Standards for ICVIs

This document provides standards and guidelines for the construction and operation of an ICVI with essential data fields, as approved by the National Assembly of State Animal Health Officials. The standards ensure that the data used to generate the ICVI is predefined; that the collection, organization, and analysis of appropriate data are uniform; and that data can be shared among Federal, State, and third-party systems. Further, these standards allow for review and evaluation to ensure that the standards are providing the appropriate type and quality of information. This uniformity will promote consistent meaning of essential data when CVIs are shared among stakeholders.

A data standard is a conglomeration of many entities, all working together to provide a reliable data set that can be shared between systems. Data standards contain:

- Data Concepts – These are the basic building blocks of a data table; data field names, field lengths, characters types, and if the field is required or not.
- Standard Lists – Some data fields depend on a standardized list of elements that are required to populate that field. Therefore, every time that particular field is populated with data, the choice can only be from the predefined list.
- Standard Data Storage Practices – Systems that exchange data with government systems must operate within some basic and standard pre-defined parameters and conform to some basic IT governance standards.
- Messaging Standards – This standard defines the style and format of data that is packaged for the purposes of transfer to another data system.

These standards offer many benefits to entities wishing to generate ICVI data. The first benefit is the convenience of predefined classes that developers can use for variables within a data field. For example, a predefined list of breed and species codes may be quickly indexed and include suggestions for parameters such as variable lengths, types, and business rules. The next benefit is ease of communication between different databases to allow analysis of information from multiple sources. Additionally, without a data standard, data of poor quality and consistency may not be reliable; therefore, deriving conclusions and analysis from this information would be problematic. Standardization will replace these errors with common, consistent business rules and coding. Finally, standards for data storage and quality ensure proper data entry and storage, and the proper structuring of data systems so they integrate readily with existing and future databases.

ICVIs serve several important functions in our efforts to protect animal health. Primarily, they document the health status of animals moving interstate. They also enhance traceability of livestock by recording the magnitude and spatial characteristics of livestock movements. ICVIs contain information on observational surveillance for physical evidence of freedom from syndromic diseases and laboratory test evidence of freedom from specific diseases. Through ICVIs, States monitor animal movements into and out of States and assist with enforcement of regulations, and individual States can use ICVIs to augment Federal regulations by addressing specific animal health concerns within each State.

ICVI Data Concepts

Data Concept: Event = Certificate

Generation of an ICVI requires a series of information specific to that certificate.

Required	Data class	Description	Specifications (Type, length, precision, units)	Example
X	Certificate Number	Identifier used to uniquely identify an individual ICVI; may be recorded as a numeric code or string variable	String or integer or double	A12345
X	Purpose	The trigger for the event or reason event is recorded	String or integer	(see appendix)
X	Valid For	Number of days that the certificate is valid for.	Integer	15, 30, etc...
	Current State/Area Status	Status of the origin area (e.g., Accredited Free of Tuberculosis)	String	See Appendix "Area Status Codes"
X	Species	Species associated with the event; may be recorded as numeric code or string variable	String or integer	See Appendix "Species Codes"
X	Number of Animals on the ICVI	The number of animals covered by this ICVI	Integer	1,10,200, etc...
	Flock/Herd Free For:	Status of the premises (e.g., quarantine, certified, exposed)	String	See Appendix "Premises Status Codes"
	Flock/Herd Number	A unique identifier for the premises assigned by the State of Origin for herds/flocks with disease program status	String	
	Mode of Transportation		String	Truck, Air, etc...

	Estimated Shipping Date	Proposed Date of animal movement	The standard format for date fields is mm/dd/yyyy	01/01/2012
X	Veterinary Accreditation Number	The six-digit number issued to the Accredited Veterinarian enrolled in the National Veterinary Accreditation Program	Integer	000001, 123456
X	Veterinary Signature Date	Date which Accredited Veterinarian generated the ICVI	The standard format for date field is mm/dd/yyyy	01/01/2012
X	Inspection Date	Date the animal or group of animals were inspected for the purposes of generating the ICVI	The standard format for date field is mm/dd/yyyy	01/01/2012
	Permit Number	Identifier generated by the State of Destination that corresponds to an animal import permit issued to the animal(s) associated with the ICVI	String or integer or double	A12345

Data Concept: Animal

Data classes in this concept may describe an individual animal.

Required	Data class	Description	Specifications (type, length, precision, units)	Example
	Breed	Breed of the subject; may be recorded as a numeric code or string variable	String	See Appendix "Breed Codes"
	Breed Description	Description of the breed or color of the animal or the type of cross-breed of animal	String	BWF (black white face)
	Age	Numeric value of the subject's age, usually in months or years	Single	5
	Age Unit	Unit of measure for age, usually indicates month or year	String or integer	YR, MO 1, 2
	Age Description	Description of the age of the animal based on dentition or a common term other than year or month	String	Broken mouth, Adult
	Animal Identification Type/s	Type of animal identification methods (e.g. tag type)	String or integer	See Appendix "Identification Types"
X*	Animal Identification requires multiple fields. ICVIs should allow for at least 3 forms of animal identification. Official ID should be in first field.	Variable(s) used to identify the animal or herd in the database (e.g., id numbers for the database record) and/or in the field (e.g., tag numbers) When Official Identification is required, that form of ID should occupy the first ID field and conform to the ID standard set in the Appendix "Identification Standards"	String	---

Gender	Gender of the subject; may be recorded as a numeric code or string variable	String or integer	See Appendix "Gender Codes"
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* Additionally, unless the species-specific requirements for ICVIs provide an exception,

- the ICVI must list the official identification number of each animal, except as provided in paragraph (b) of this definition, or group of animals moved that is required to be officially identified, or, if an alternative form of identification has been agreed upon by the sending and receiving States, the ICVI must include a record of that identification.
- If animals moving under a GIN also have individual official identification, only the GIN must be listed on the ICVI. An ICVI may not be issued for any animal that is not officially identified if official identification is required.
- If the animals are not required by the regulations to be officially identified, the ICVI must state the exemption that applies (e.g., the cattle and bison belong to one of the classes of cattle and bison exempted under § 90.4 of this chapter from the official identification requirements of 9 CFR part 90 during the initial stage of the phase-in of those requirements).
- If the animals are required to be officially identified but the identification number does not have to be recorded on the ICVI, the ICVI must state that all animals to be moved under the ICVI are officially identified.

Data Concept: Required Diagnostic Test Results Information

Data classes in this concept describe results from tests performed on samples or observational data collected during the generation of an ICVI.

Required	Data class	Description	Specifications (type, length, precision, units)	Example
	Disease	Name of disease	String	Brucellosis, TB, other
	Test type	Type of test performed or test name	String	Coggins test
	Test date	Date test was conducted	The standard format for date field is mm/dd/yyyy	01/01/2012
	Laboratory Name	Name of laboratory where the sample was sent	String	NVSL, Cornell University, etc...
	Laboratory Accession Number	Identifier used to uniquely identify individual samples; may be recorded as a numeric code or string variable	String or integer or double	A12345
	Test result date	Date the sample results were reported	The standard format for date field is mm/dd/yyyy	01/01/2012
	Test result	A qualitative judgment regarding the test outcome	String	See Appendix "Result Interpretation Codes" or positive, suspect, negative
	Date of Vaccination / Treatment	Date the animal(s) was (were) vaccinated or treated with a specific medication.	The standard format for date field is mm/dd/yyyy	01/01/2012

Product	Product the animal(s) was (were) vaccinated with or treated with a specific medication.	String
Reason	Reason for vaccination or treatment with a specific medication	String

Data Concept: Person/Location

Classes in this concept describe the attributes of any person directly or indirectly related to the generation of an ICVI. For the purposes of a standard ICVI, the same type of person data is required for SIX person categories:

Origin (required)**

Destination (required)**

Consignor (required if different from Origin)**

Consignee (required if different from Destination)**

Carrier

Accredited Veterinarian (validated against a list provided by USDA, APHIS, VS)

Required	Data class	Description	Specifications (type, length, precision, units)	Example
X**	Last Name	Person's last name; should be in a separate field from the first name	String, upper	Smith
X**	First Name	Person's first name; should be in a separate field from the last name	String, upper	John or John Jacob
	Business Name	Agency name or professional affiliation; names or acronyms/codes must be uniform throughout a database so that one agency is not indicated by multiple names or acronyms	String	APHIS
	Phone number(s)(may require multiple fields)	Area code plus 7-digit number	char(10) - a string of 10 characters	3018513500

	Fax Number	Area code plus 7-digit number	char(10) - a string of 10 characters	3018513500
	Premises id	The unique identifier for the premises Premises identification numbers should be assigned using the National Animal Identification System	String Premises identification numbers should be assigned using the National Animal Identification System (alpha-numeric 7, random, character 7 is a check value)	002FVPL
X**	Address 1	Physical address of the location	Use postal service standards	17454 Roller Coaster Rd
X**	Address 2	Remainder of physical address of the location	Use postal service standards	Suite 200, etc...
X**	City	City name	String	
X**	State	Two-character state abbreviation	Use postal service standards	AK, CO, NY
X**	County	County name	String	Erie
X**	Zip Code	U.S. Postal Service 5-digit mail delivery area.	String	80132
	E-mail address	Person's e-mail address	String; no spaces	person@agency.gov
	Person type	The person's role as it relates to the ICVI	String	Origin, Destination, Consignor, Consignee, Carrier, Accredited Veterinarian

Prefix	Prefix to a person's name	String	Dr., Mrs.
State / County FIPS code	State/County Federal Information Processing Standard Code	String	08041
City FIPS code	Metropolitan Areas Federal Information Processing Standard Code	String	CO322
Suffix	Suffix to a person's name	String	Jr., Sr.

Standards for Database Systems

Data Storage, Accessibility, and Transfer

Standard: Data for ICVIs are stored in an electronic relational database using standardized naming and formatting conventions for data fields. The database system allows access to different types of authorized users and allows for easy data transfer and integration with other systems.

- a. Electronic, relational databases are used to store data and are designed using industry standards.
- b. To facilitate the flow of information among systems, the database uses the standardized data naming and formatting conventions described previously.
- c. The data are stored in a manner that facilitates the flow of information across systems.
- d. The database should be scalable to allow for appropriate expansion of the system and reliable for continuous use.
- e. The data storage system should maintain and make accessible legacy data that may not meet the standard set forth in this document.

Supporting Information:

Relational databases. Electronic, relational databases provide the most accessible, reliable, scalable, and secure form for storing surveillance information. Spreadsheets are typically not appropriate for long term storage of ICVI data. Relational databases provide these advantages:

- Tools for efficient and secure data storage, retrieval, and update
 - Descriptions of the stored data items and their formats (i.e., metadata, data
-

dictionaries)

- Tools for transaction and concurrency control that allow multiple users to access and use the database(s) simultaneously
- Tools for data recovery
- Tools for database security, including user authorization and backups

Standardized data formatting. One of the challenges of database design and development is deciding what data to include (i.e., what fields or elements), and how to format the data so it is compatible with other systems. Use of standardized naming and formatting of data fields greatly increases the ability to integrate information from multiple data collection systems. The previous section describes the naming and formatting for ICVI data.

Accessibility. Data and information accessibility is critical to a successful surveillance program. ICVI data must be accessible, in a timely manner, to a variety of authorized users who may need this information for analysis, reporting, and decision-making, particularly in emergencies. Tools should be available that allow access to data by authorized users so this information can be queried or extracted to other software for analysis (e.g., statistical or geospatial analysis).

Exchange of Data Among Systems. More information can be obtained from the same amount of data if the data are stored in a manner that facilitates the transfer of data to other systems or integration of data with other systems. Extensible Markup Language (XML) is commonly used for this purpose; XML facilitates information exchange among systems by encoding data with meaningful structure and semantics that computers and humans can understand (see <www.orafaq.com/glossary>). Other technologies or industry practices may also facilitate data flow among systems. ICVI data must be provided to cooperating partners, using the data standards mentioned in the previous section and in the format described below, under the topic; 'Data Format/Data Exchange'.

Scalable. The database technology and architecture should allow appropriate levels of expansion of the system without compromising system efficiency.

Reliability. Reliability refers to the user's ability to consistently and efficiently use the database system for data entry or retrieval. Systems that store ICVI data must be able to consistently provide many users with simultaneous access to high quality data.

Legacy data (or historical data). Older data from some applications may have been collected and stored using outdated computer technologies. These data are often still a vital source of national animal health surveillance information and should be maintained for use by analysts and decision-makers. Legacy data should be accessible, and clear documentation should be available to describe these data to ensure usability in the future.

Data Security and Backup

Standard: Data stored in systems that generate ICVIs should be accessible to authorized users and be secure, recoverable, and reliable. The database is backed up to minimize intentional or accidental loss of information.

Supporting Information:

Security. The database should be strictly controlled and managed to prevent intentional or accidental loss of information. Security measures should include, but not be limited to, authorization and authentication of users, limiting privileges of users based on roles, encryption, data backups, and data storage in multiple locations. Security measures should address loss of data, loss of confidentiality, loss of privacy, loss of integrity, and loss of availability.

Database backup. Backup is the process of periodically taking a copy of the database and moving it to an offline storage media. Complete backup protocols and systems for animal health surveillance databases should be implemented to prevent loss of data that would affect daily operations. The backup system should consider how fast data recovery needs to occur, how long data must be available online, and methods for maintaining permanent backup media.

Security Certification and Accreditation (C&A)

Standard: All federal IT systems must be officially authorized, from a security standpoint, to operate.

Systems that hold ICVI data that will be dynamically linked to federal IT systems must meet security standards set forth in an Information Security Agreement (ISA) adopted between VS and the entity wishing to dynamically exchange data.

Systems that hold ICVI data that is provided to federal IT systems in the form of a standardized data file should also have security standards in place to assure the integrity of the data.

Supporting Information:

Numerous directives explicitly state the requirement for Federal agencies to perform a security certification and accreditation (C&A) of their IT systems. The C&A process involves a comprehensive evaluation of the technical, operational, and management controls in place to properly secure both the data and infrastructure of a given application. Accreditation is a formal acceptance, by the agency in question, of any residual risks once the security measures identified are in place, and is the official authority to operate the system as described in the associated documentation.

C&A standards require these steps:

- Establish and document access controls
- Maintain configuration management plan
- Perform a risk assessment
- Assess impact of data to personal privacy
- Ensure existence of a disaster recovery plan
- Create and maintain a system security plan

Critical components of the C&A process include:

- The system is certified and accredited every 3 years or following any major change

to the system

- The security classification of the system is properly assessed
- Required security documents are in place and updated as related attributes of the application evolve
- The C&A process is integrated into the system development life cycle of any new system

Information about the C&A process for federal IT systems and specific information about what is required for an ISA is available through the Office of the Chief Information Officer for VS. Developers unfamiliar with the C&A requirements and process should contact VS OCIO.

Data Quality

Standard: The database system is designed, implemented, and maintained to ensure that data are of high quality.

- a. Systematic and proactive procedures, used at multiple points in the data flow for the generation of a ICVI, are implemented to ensure data quality; this includes feedback processes designed to not only inspect data for quality but also to address and fix the root causes of data errors.
- b. Those responsible for data quality are identified and have a clear role in the data quality feedback process.
- c. Programming tools are used to prevent data entry errors (e.g., code that enforces business rules or filters data that is out of range for particular fields).
- d. Individuals responsible for data entry have training and resources to perform their job correctly.
- e. Data are periodically validated and verified to ensure that the information is sufficiently accurate and complete to meet the needs of the surveillance program, and feedback from this process is used to improve the procedures used to ensure data quality.

Supporting Information:

Data that are complete and error-free are essential for an ICVI system to provide accurate reports and meaningful analyses in a timely manner. Data quality is defined as the ability of the data to meet the requirements of all internal and external customers. In particular, it is a core requirement that data are accurate, complete, accessible, available, and compatible with data from multiple systems. To achieve this, all ICVI data systems must demonstrate commitment to data quality. High quality data is not something that “just happens;” it is the result of systematic and proactive quality management efforts throughout data system.

The measurement and improvement of data quality is a broad subject, and there are many books and Web sites on this topic. However, these considerations are of particular concern to data quality in an ICVI system:

- ICVI data should reflect a commitment to implementing systematic and proactive procedures to assure data quality. These procedures should go beyond mere data inspection/correction and reflect a system-wide strategy to identify and eliminate causes of inadequate data quality.
- Systems that generate ICVIs should identify teams of individuals who are tasked with data quality management; this group should include database managers as well as those involved with data entry, analysis, and reporting.
- Data entry user interfaces should be designed to minimize data entry errors. This may be achieved by restricting data entry in particular fields to acceptable values, cross-validating information within and between records, minimizing the use of free-text fields, using standardized terminology, using standardized lookup tables to control data entry, forcing users to double-key critical information, and constraints on data entry that assure data integrity.
- Training those responsible for data collection and data entry is recognized as a critical component to the data quality management process. Data entry personnel should be provided with resources (e.g., documents, protocols, user's guides, web-based resources, help desk contacts) to facilitate data entry and address questions or concerns. Feedback processes should be established to help data collectors and data entry staff-identify and correct errors.
- Data validation and verification processes should be established to periodically review the data for accuracy, integrity, and completeness. These processes can identify systematic problems with a data system and avert data integrity problems that can affect quality reporting and analysis. These processes should not only identify and correct errors, but should also identify causes of data quality problems and provide solutions. Further, mechanisms should be in place to implement solutions to data quality problems when they are identified.

Data System Documentation

Standard: Data system documentation must be readily available and clearly describe:

- The system requirements and business rules
- The system users, including their access and roles
- The system components and their relationships (database schemas, entity-relationship diagrams, and descriptions of tables, views, and stored procedures)
- Data dictionaries that explain what data are stored in the database(s), how these are formatted
- Details regarding data backup and recovery procedures
- Changes to the data system over time, including changes to data elements that may impact analysis and reporting
- The activities of the system's Change Control Board (CCB), if applicable

Supporting Information:

Comprehensive system documentation provides critical information to IT developers, data end users, and other stakeholders about what, where, and how data are stored. System documentation should be developed for all systems that are developed to generate ICVIs.

Documentation of Changes to the Data System. Changes to a data system must be carefully considered and fully documented. Changes to any data system can have far-reaching ramifications both to developers of the system and stakeholders who use the data in the system, especially when data systems are integrated and pull or receive data from multiple sources. It is important to have a critical review process of all changes that occur to a data system's architecture and design. This includes, but is not limited to, changes in data collection, table design, table relationships, and coding systems used within tables.

Critical Components:

- A Change Control Board (CCB) should be established that has members representing the IT team and officials involved in planning and implementing the surveillance system. The CCB approves the original system, the system

documentation, and system changes.

- Periodic reviews of the data system should be conducted to evaluate new technologies and modernization of the current system.
 - The data system should be evaluated periodically by unbiased experts to evaluate system efficiency and design.
 - Any changes to the data system should be documented completely, including updates to the data dictionary, entity relationship diagrams (ERDs), and user guides.
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Data Confidentiality

Standard: The data system ensures the confidentiality of sensitive or private information.

- a. Appropriate authority is obtained to collect and maintain data that may be sensitive or confidential.
- b. Sensitive or confidential data elements are identified and a protocol is developed and implemented to restrict access to these elements; access is limited to authorized individuals.
- c. Staff are trained on data confidentiality policies and protocols.
- d. Information-sharing policies for databases are documented and adhered to, ensuring confidentiality.
- e. Federal and State information sharing laws and practices are carefully evaluated before linking, transferring, or sharing data with any organization.

Supporting Information:

Data confidentiality and privacy is a top priority for all systems that generate ICVIs. Such systems must include approved protocols for collecting, storing, restricting access to, and working with confidential information. In addition, confidential information may only be shared when the situation complies with Federal and State laws.

First steps for addressing data confidentiality issues include:

- o Obtain authority to gather and maintain private information
- o Identify data that require restricted access

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- Identify groups of users (roles) and the data they can access
 - Restrict user access to data based on group membership (roles)
 - Determine if information on individuals or groups of individuals can easily be obtained
 - Ensure the information stored is used as authorized

For VS data systems, refer questions on data confidentiality and information sharing to APHIS Legislative and Public Affairs.

Data Format/Data Exchange

Standard: Data that complies with the standards set forth in this document should be formatted and packaged in XML (see Appendix 11)

Supporting Information:

Data should be transferred between approved systems in a format that allows for a standardized method of reliable data sharing. In most cases a simple Extensible Markup Language (XML) file will suffice for effective data transfer between systems. XML is a markup language that defines a set of rules for encoding documents in a format that is both human-readable and machine-readable. A sample XML file is included in Appendix 11, but other XML packaging can be used as long as the data standards defined in this document are met.

Appendix 1: Purpose Codes

Backgrounding

Breeding

Feeding

Grazing

Interstate

Intrastate

Medical Treatment

Other (Specify)

Pet

Production

Race

Rodeo

Sale

Show/Exhibition

Slaughter

Training

Transit

Appendix 2: Area Status Codes

Tuberculosis

Free

MAA

MA

Brucellosis

Free

Class A

PRV Free

Other (Specify)

Appendix 3: Species Codes

Name	Code
Bovine	BOV
Caprine	CAP
Equine	EQU
Ovine	OVI
Porcine	POR
Poultry	POU
Other (Specify)	

Appendix 4: Premises Status Codes

Flock/Herd Free For:

TB

Bruc

PRV

Johne's

Scrapie

NPIP

Other (Specify)

Appendix 5: Breed Codes

species short name (10)	species long name (50)	breed long name (50)	breed short name (3)
<u>Amphibian/Reptile</u>			
Frogs	Frogs	Atelopus zeteki (Golden panamanian frog)	GPN
Frogs	Frogs	Ceratophrys cornuta (Neotropical horned frog)	NEO
Frogs	Frogs	Dendrobates azureus (Blue poison dart frog)	BPD
Frogs	Frogs	Hyla chrysoscelis (Cope's gray tree frog)	CGT
Frogs	Frogs	Hyla cinerea (Green tree frog)	GRT
Frogs	Frogs	Hyla versicolor (Gray tree frog)	GAT
Frogs	Frogs	Litoria caerulea (Whites tree frog)	WHT
Frogs	Frogs	Pseudacris triseriata (Western chorus frog)	WCF
Frogs	Frogs	Rana capito (Gopher frog)	GOP
Frogs	Frogs	Rana clamitans (Green frog)	GRE
Frogs	Frogs	Rana palustris (Pickerel frog)	PCK
Frogs	Frogs	Rana pipiens (Northern leopard frog)	NLF
Frogs	Frogs	Rana sphenoccephala (Southern leopard frog)	SLF
Frogs	Frogs	Rana sylvatica (Wood frog)	WOO
Salamander	Salamanders	Ambystoma maculatum (Spotted salamander)	SPT
Salamander	Salamanders	Ambystoma tigrinum (Tiger salamander)	TIG
Toads	Toads	Bufo alvarius (Colorado River/Sonaran Desert toad)	COR
Toads	Toads	Bufo marinus (Cane/Marine/Giant Neotropical toad)	CAN
Toads	Toads	Pipa pipa (Surinam/Star-fingered toad)	SUR
Toads	Toads	Scaphiopus holbrookii (Eastern spadefoot toad)	ESF

Aquatic

Abalone	Abalone	Haliotis asinina (Abalone)	ABL
Abalone	Abalone	Haliotis corrugata (Pink abalone)	PIA
Abalone	Abalone	Haliotis cracherodii (Black abalone)	BLA
Abalone	Abalone	Haliotis discus (Japanese black abalone)	JBA
Abalone	Abalone	Haliotis diversicolor supertexta (none)	SUP
Abalone	Abalone	Haliotis fulgens (Green abalone)	GRA
Abalone	Abalone	Haliotis laevigata (Greenslip abalone)	GSA
Abalone	Abalone	Haliotis rubra (Blacklip abalone)	BLP
Abalone	Abalone	Haliotis rufescens (Red abalone)	REA
Abalone	Abalone	Haliotis sorenseni (White abalone)	WHA
Abalone	Abalone	Haliotis wallalensis (Flat abalone)	FLA
Bass	Bass - Freshwater & Saltwater	Ambloplites ariommus (Shadow bass)	SHB
Bass	Bass - Freshwater & Saltwater	Ambloplites constellatus (Ozark bass)	OZB
Bass	Bass - Freshwater & Saltwater	Ambloplites rupestris (Rock bass)	ROB
Bass	Bass - Freshwater & Saltwater	Centropristis striata (Black sea bass)	BSB
Bass	Bass - Freshwater & Saltwater	Dicentrarchus labrax (European sea bass)	ESB
Bass	Bass - Freshwater & Saltwater	Micropterus coosae (Redeye bass)	REB
Bass	Bass - Freshwater & Saltwater	Micropterus dolomieu (Smallmouth bass)	SMB
Bass	Bass - Freshwater & Saltwater	Micropterus notius (Suwannee bass)	SWB
Bass	Bass - Freshwater & Saltwater	Micropterus punctulatus (Spotted bass)	SPB
Bass	Bass - Freshwater & Saltwater	Micropterus salmoides (Largemouth bass)	LMB
Bass	Bass - Freshwater & Saltwater	Morone americana (White perch)	WHT
Bass	Bass - Freshwater & Saltwater	Morone chrysops (White bass)	WHB
Bass	Bass - Freshwater & Saltwater	Morone chrysops x Morone saxatilis (Sunshine bass)	SUB
Bass	Bass - Freshwater & Saltwater	Morone mississippiensis (Yellow bass)	YEB
Bass	Bass - Freshwater & Saltwater	Morone saxatilis (Striped bass)	STB
Carp	Cyprinids - Carp	Carassius auratus (Goldfish)	GLF
Carp	Cyprinids - Carp	Carassius carassius (Crucian carp)	CRC
Carp	Cyprinids - Carp	Ctenopharyngodon idella (Grass carp)	GRS
Carp	Cyprinidae (Carp)	Cyprinidae (Carp)	CRP
Carp	Cyprinids - Carp	Cyprinus carpio (Common carp)	COC
Carp	Cyprinids - Carp	Cyprinus carpio (Koi carp)	KOI
Carp	Cyprinids - Carp	Cyprinus carpio (Mirror carp)	MRR
Carp	Cyprinids - Carp	Hypophthalmichthys molitrix (Silver carp)	SIL
Carp	Cyprinids - Carp	Hypophthalmichthys nobilis (Bighead carp)	BHC
CatfishNA	Catfish - North American Freshwater	Ameiurus brunneus (Snail bullhead)	SNB
CatfishNA	Catfish - North American Freshwater	Ameiurus catus (White catfish)	WHC
CatfishNA	Catfish - North American Freshwater	Ameiurus melas (Black bullhead)	BLB
CatfishNA	Catfish - North American Freshwater	Ameiurus natalis (Yellow bullhead)	YEB
CatfishNA	Catfish - North American Freshwater	Ameiurus nebulosus (Brown bullhead)	BRB
CatfishNA	Catfish - North American Freshwater	Ameiurus platycephalus (Flat bullhead)	FLB
CatfishNA	Catfish - North American Freshwater	Ameiurus serracanthus (Spotted bullhead)	SPB
CatfishNA	Catfish - North American Freshwater	Ictalurus furcatus (Blue catfish)	BLC
CatfishNA	Catfish - North American Freshwater	Ictalurus punctatus (Channel catfish)	CHC
CatfishNA	Catfish - North American Freshwater	Noturus flavus (Stonecat)	STC

CatfishNA	Catfish - North American Freshwater	Noturus gyrinus (Tadpole madtom)	TPM
CatfishNA	Catfish - North American Freshwater	Noturus insignis (Margined madtom)	MGM
CatfishNA	Catfish - North American Freshwater	Noturus placidus (Neosho madtom)	NEM
CatfishNA	Catfish - North American Freshwater	Pylodictis olivaris (Flathead Catfish)	FLC
CatfishOT	Catfish - Other	Ameiurus sp. (Bullhead)	BUL
CatfishOT	Catfish - Other	Clarias batrachus (Walking catfish)	WKC
Chub	Cyprinids - Chub	Couesius plumbeus (Lake chub)	LKE
Chub	Cyprinids - Chub	Erimonax monachus (Spotfin chub)	SPF
Chub	Cyprinids - Chub	Gila atraria (Utah chub)	UTC
Chub	Cyprinids - Chub	Gila bicolor (Tui chub)	TUI
Chub	Cyprinids - Chub	Gila coerulea (Blue chub)	BLC
Chub	Cyprinids - Chub	Gila cypha (Humpback chub)	HMP
Chub	Cyprinids - Chub	Gila intermedia (Gila chub)	GIL
Chub	Cyprinids - Chub	Gila orcuttii (Arroyo chub)	ARY
Chub	Cyprinids - Chub	Gila purpurea (Yaqui chub)	YAQ
Chub	Cyprinids - Chub	Gila robusta (Roundtail chub)	RDT
Chub	Cyprinids - Chub	Macrhybopsis meeki (Sicklefin chub)	SFC
Chub	Cyprinids - Chub	Nocomis biguttatus (Hornyhead chub)	HHC
Chub	Cyprinids - Chub	Nocomis leptocephalus (Bluehead chub)	BHC
Chub	Cyprinids - Chub	Nocomis micropogon (River chub)	RVC
Chub	Cyprinids - Chub	Platygobio gracilis (Flathead chub)	FHC
Chub	Cyprinids - Chub	Semotilus atromaculatus (Creek chub)	CRC
Chub	Cyprinids - Chub	Semotilus thoreasuianus (Dixie chub)	DXC
CIC	Cichilds	Astronotus ocellatus (Oscar cichlid)	OSC
CIC	Cichilds	Cichla ocellaris (Butterfly peacock bass)	BPB
CIC	Cichilds	Cichlasoma nigrofasciatum (Convict cichlid)	CVC
CIC	Cichilds	Cichlasoma urophthalma (Mayan cichlid)	MYC
CIC	Cichilds	Cichlidae (Cichlid)	CCH
CIC	Cichilds	Hemichromis bimaculatus (Jewelfish)	JWF
CIC	Cichilds	Heros severus (Banded cichlid)	BAC
CIC	Cichilds	Symphysodon sp. (Discus)	DIS
Clam	Clams	Anadara transversa (Transverse ark)	TRA
Clam	Clams	Austrovenus stutchburyi (New Zealand cockle)	NZC
Clam	Clams	Barbatia novaezealandiae (New Zealand ark clam)	NZA
Clam	Clams	Chama pacifica (Reflexed jewelbox)	RFJ
Clam	Clams	Chamelea gallina (Striped venus clam)	STV
Clam	Clams	Clinocardium nuttallii (Cockles clam)	COC
Clam	Clams	Corbicula fluminea (Asian clam)	ASC
Clam	Clams	Cyrtopleura costata (Angelawing clam)	ANC
Clam	Clams	Ensis arcuatus(Razor shell clam)	RSC
Clam	Clams	Ensis directus (Atlantic jackknife clam)	AJC
Clam	Clams	Eupera sp. (Fingernail/pea/pill clam)	FNE
Clam	Clams	Katelysia rhytiphora (Ridged venus clam)	RVC
Clam	Clams	Leukoma staminea (Native little necks)	NLN
Clam	Clams	Macoma balthica (Baltic macoma clam)	BMC
Clam	Clams	Macoma brota (Macoma clam)	MCB
Clam	Clams	Macoma nasuta (Macoma clam)	MCN
Clam	Clams	Macomona lilliana (Large wedge shell)	LWS
Clam	Clams	Mactromeris polynyma (Stimpson's surf clam)	STS
Clam	Clams	Mercenaria campechiensis (Southern quahog clam)	SQC
Clam	Clams	Mercenaria mercenaria (Hard clam)	HRC

Clam	Clams	<i>Mercenaria mercenaria</i> (Quahog clam)	QUC
Clam	Clams	<i>Musculium</i> sp. (Fingernail/pea/pill clam)	FNM
Clam	Clams	<i>Mya arenaria</i> (Softshell clam)	SSC
Clam	Clams	<i>Nuttallia obscurata</i> (Savory/vanish clam)	SVC
Clam	Clams	<i>Panopea generosa</i> (Geoduck)	GEO
Clam	Clams	<i>Paphia undulata</i> (Undulated surf clam)	USC
Clam	Clams	<i>Paphies astralis</i> (New Zealand pipi)	NZP
Clam	Clams	<i>Pisidium</i> sp. (Fingernail/pea/pill clam)	FNP
Clam	Clams	<i>Pitar rostratus</i> (Uruguayan clam)	URC
Clam	Clams	<i>Polititapes aurea</i> (Golden carpet shell clam)	GCS
Clam	Clams	<i>Protothaca jedoensis</i> (Jedo venus clam)	JVC
Clam	Clams	<i>Protthaca staminea</i> (Pacific littleneck clam)	PLC
Clam	Clams	<i>Saxidomus gigantea</i> (Butter clams)	BUC
Clam	Clams	<i>Siliqua alta</i> (Alaska razor clam)	ARC
Clam	Clams	<i>Siliqua patula</i> (Pacific razor)	PCR
Clam	Clams	<i>Solen marginatus</i> (Grooved razor shell)	GRS
Clam	Clams	<i>Sphaerium</i> sp. (Fingernail/pea/pill clam)	FNS
Clam	Clams	<i>Spisula solidissima</i> (Surf clam)	SUC
Clam	Clams	<i>Tellina palatum</i> (Hawaiian clam)	HIC
Clam	Clams	<i>Tresus capax</i> (Horse clam/Fat gaper)	HFG
Clam	Clams	<i>Tresus nuttallii</i> (Horse clam)	HOC
Clam	Clams	<i>Tridacna cocea</i> (Crocus/Saffron-coloured clam)	CSC
Clam	Clams	<i>Tridacna maxima</i> (Small Giant Clam)	SGC
Clam	Clams	<i>Tridacna</i> sp. (Giant clams)	GIC
Clam	Clams	<i>Venerupis decussata</i> (Grooved carpet shell clam)	GRC
Clam	Clams	<i>Venerupis philippinarum</i> (Manila clam)	MAC
Clam	Clams	<i>Venerupis pullastra</i> (Pullet carpet shell clam)	PCS
Cods	Cods	<i>Gadus macrocephalus</i> (Pacific cod)	PAC
Cods	Cods	<i>Gadus morhua</i> (Atlantic cod)	ATC
Cods	Cods	<i>Lota lota</i> (Burbot)	BUR
Cods	Cods	<i>Melanogrammus aeglefinus</i> (Haddock)	HAD
Crabs	Crabs	<i>Acantholithodes hispidus</i> (Spiny lithode crab)	SLI
Crabs	Crabs	<i>Ashtoret miersii</i> (none)	MIE
Crabs	Crabs	<i>Atergatis integerrimus</i> (Red egg crab)	REG
Crabs	Crabs	<i>Barytelphusa pulvinata</i> (none; freshwater)	FWC
Crabs	Crabs	<i>Calappa lophos</i> (Common box crab)	CBC
Crabs	Crabs	<i>Calappa philargus</i> (Spectacled box crab)	SBC
Crabs	Crabs	<i>Callinectes ornatus</i> (Ornate blue crab)	OBC
Crabs	Crabs	<i>Callinectes sapidus</i> (Blue crab)	BLC
Crabs	Crabs	<i>Callinectes similis</i> (Lesser blue crab)	LBC
Crabs	Crabs	<i>Cancer antennarius</i> (Pacific rock crab)	PRC
Crabs	Crabs	<i>Cancer gracilis</i> (Slender crab)	SLC
Crabs	Crabs	<i>Cancer irroratus</i> (Atlantic rock crab)	ARC
Crabs	Crabs	<i>Cancer magister</i> (Dungeness crab)	DUN
Crabs	Crabs	<i>Cancer oregonensis</i> (Pygamy rock crab)	PYG
Crabs	Crabs	<i>Cancer pagurus</i> (Brown crab)	BRC
Crabs	Crabs	<i>Cancer productus</i> (Red rock crab)	RRC
Crabs	Crabs	<i>Carcinus maenus</i> (Green crab/Shore crab)	GRC
Crabs	Crabs	<i>Chaceon quinquedens</i> (Deep sea red crab)	DSR
Crabs	Crabs	<i>Charybdis annulata</i> (Banned-leg swimming crab)	BSC
Crabs	Crabs	<i>Charybdis feriata</i> (Red Flowery crab)	RFC
Crabs	Crabs	<i>Charybdis granulata</i> (Portunid crab)	PTC
Crabs	Crabs	<i>Charybdis hoplites</i> (none)	HOP
Crabs	Crabs	<i>Charybdis lucifera</i> (none)	BOX

Crabs	Crabs	Chionoecetes (Snow crabs)	SNW
Crabs	Crabs	Chionoecetes angulatus (Triangle tanner crab)	TRI
Crabs	Crabs	Chionoecetes bairdi (Southern Tanner/Tanner crab)	TAN
Crabs	Crabs	Chionoecetes elongatus (none)	ELO
Crabs	Crabs	Chionoecetes japonicus (Beni-zuwai crab)	BZC
Crabs	Crabs	Chionoecetes opilio (Snow crab; Opilio)	OSC
Crabs	Crabs	Chionoecetes pacificus (Tanner crab)	TAP
Crabs	Crabs	Chionoecetes tanneri (Grooved tanner crab)	GRT
Crabs	Crabs	Cryptolithodes typicus (Butterfly crab)	BUT
Crabs	Crabs	Cyclograpsus intermedius (Grapsid crab)	GRS
Crabs	Crabs	Damania splendida (none)	SPL
Crabs	Crabs	Dyspanopeus sayi (Say Mud crabs)	SMC
Crabs	Crabs	Dyspanopeus texanus (Gulf grassflat crab)	MUD
Crabs	Crabs	Erimacrus isenbeckii (Hair crab)	HAI
Crabs	Crabs	Eriocheir sinensis (Chinese mitten crab)	CMC
Crabs	Crabs	Eurypanopeus depressus (Flatback Mud crab)	DEM
Crabs	Crabs	Eurypanopeus spp. (Mud crabs)	MUE
Crabs	Crabs	Gelasimus marionis nitidus (Indian fiddler crab)	IFC
Crabs	Crabs	Grapsus albolineatus (Mottled Sally-light-foot)	MSL
Crabs	Crabs	Halimede ochtodes (none)	OCH
Crabs	Crabs	Hemigrapsus nudus (Purple shore crab)	PSC
Crabs	Crabs	Hemigrapsus oregonensis (Yellow shore crab)	YSC
Crabs	Crabs	Hemigrapsus penicillatus (none; Verunid crab)	PES
Crabs	Crabs	Hemigrapsus sp. (Shore crab)	SHR
Crabs	Crabs	Liagore rubronaculata (none)	RUB
Crabs	Crabs	Liocarcinus depurator (Harbor/Sandy Swimming crab)	DEP
Crabs	Crabs	Lithodes aequispinus (Golden king crab)	GKC
Crabs	Crabs	Lithodes couesi (Scarlet king crab)	SKC
Crabs	Crabs	Lithodes maja (Northern Stone/Deepsea King crab)	MAJ
Crabs	Crabs	Lopholithodes foraminatus (Brown box crab)	BBC
Crabs	Crabs	Lopholithodes mandtii (Puget Sound King crab)	KNG
Crabs	Crabs	Lophopanopeus bellus (Blackclaw Crestleg crab)	BCC
Crabs	Crabs	Macrophthalmus sulcatus (none)	OCY
Crabs	Crabs	Matuta planipes (Flower/Reticulated Moon crab)	MOO
Crabs	Crabs	Menippe adina (Gulf stone crab)	GSC
Crabs	Crabs	Menippe mercenaria (Flordia stone crab)	FSC
Crabs	Crabs	Menippe rumphii (none)	RUM
Crabs	Crabs	Metapograpsus messor (Mangrove rock crab)	MRC
Crabs	Crabs	Necora puber (Velvet swimming crab)	VSC
Crabs	Crabs	Paradorippe granulata (none)	GRA
Crabs	Crabs	Paralithodes camtschaticus (Red king crab)	RKG
Crabs	Crabs	Paralithodes platypus (Blue king crab)	BKG
Crabs	Crabs	Paralithodes rathbuni (Spiny king crab)	SKG
Crabs	Crabs	Paralomis multispina (King crab)	ORH
Crabs	Crabs	Paratelphusa hydrodomous (Freshwater field crab)	FFC
Crabs	Crabs	Parthenope prensor (none)	PRE
Crabs	Crabs	Podophthalmus vigil (Long-eyed Swimming crab)	LES
Crabs	Crabs	Portunus pelagicus (Bl. Swimming/Flower/Sand crab)	FLW
Crabs	Crabs	Portunus pelagicus (Sand crab)	SND
Crabs	Crabs	Portunus sanguinolentus (Three-spot swimming crab)	TSS
Crabs	Crabs	Portunus trituberculatus (Horse crab)	HOR
Crabs	Crabs	Pugettia gracilis (Graceful kelp crab)	GRK
Crabs	Crabs	Pugettia producta (Kelp crab)	KLP
Crabs	Crabs	Pugettia ricci (Cryptic kelp crab)	CRK

Crabs	Crabs	Ranina ranina (Kona crab/spanner crab/frog crab)	KON
Crabs	Crabs	Rhithropanopeus harrisii (Harris mud crab)	HMC
Crabs	Crabs	Scylla serrata (Giant Mud crab)	GIM
Crabs	Crabs	Scyllarus arctus (Small European locust lobster)	SEL
Crabs	Crabs	Scyra acutifrons (Sharpnose crab)	SHA
Crabs	Crabs	Sesarma mederi (Red crab)	REC
Crabs	Crabs	Thalamita danae (none)	DAN
Crabs	Crabs	Uca pugilator (Atlantic Sand Fiddler crab)	PUG
Crabs	Crabs	Uca vocanus (Orange Fiddler Crab)	OFD
Crayfish	Crayfish	Astacus leptodactylus (narrow clawed crayfish)	NCC
Crayfish	Crayfish	Cherax quadricarinatus (Red claw crayfish)	RCL
Crayfish	Crayfish	Orconectes immunis (Papershell crayfish)	PSC
Crayfish	Crayfish	Pacifastacus leniusculus (Signal crayfish)	SIC
Crayfish	Crayfish	Procambarus blanding acutus (White crayfish)	WHC
Crayfish	Crayfish	Procambarus clarkii (Red swamp crayfish/crawfish)	RSC
Crayfish	Crayfish	Procambarus zonangulus (White river crayfish)	WRC
CyprinidOT	Cyprinids - Other	Acrocheilus alutaceus (Chiselmouth)	CHS
CyprinidOT	Cyprinids - Other	Cyprinidae (Hybrid Cyprinid)	HYC
CyprinidOT	Cyprinids - Other	Hesperoleucus symmetricus (California Roach)	CAR
CyprinidOT	Cyprinids - Other	Mylocheilus caurinus (Peamouth)	PEA
CyprinidOT	Cyprinids - Other	Pogonichthys macrolepidotus (Splittail)	SPL
CyprinidOT	Cyprinids - Other	Tinca tinca (Tench)	TEN
Dace	Cyprinids - Dace	Agosia chrysogaster (Longfin dace)	LFD
Dace	Cyprinids - Dace	Clinostomus funduloides (Rosyside dace)	RSY
Dace	Cyprinids - Dace	Lepidomeda albivallis (White river spinedace)	WRS
Dace	Cyprinids - Dace	Meda fulgida (Spikedace)	SKD
Dace	Cyprinids - Dace	Phoxinus eos (Northern redbelly dace)	NRD
Dace	Cyprinids - Dace	Rhinichthys atratulus (Eastern Blacknose dace)	EBD
Dace	Cyprinids - Dace	Rhinichthys cataractae (Longnose dace)	LND
Dace	Cyprinids - Dace	Rhinichthys falcatus (Leopard dace)	LEP
Dace	Cyprinids - Dace	Rhinichthys osculus (Speckled dace)	SPK
Drum	Drums	Aplodinotus grunniens (Freshwater drum)	FRW
Drum	Drums	Bairdiella chrysoura (Silver perch)	SLP
Drum	Drums	Cynoscion nebulosus (Spotted seatrout)	SPS
Drum	Drums	Pogonias cromis (Black drum)	BLA
Drum	Drums	Sciaenops ocellatus (Red drum)	RED
Eels	Eels	Anguilla rostrata (American eel)	AME
Eels	Eels	Electrophorus electricus (Electric eel)	ELE
Eels	Eels	Electrophorus Muraenidae (Moray eel)	MRY
Eels	Eels	Monopterus albus (Asian swamp eel)	ASW
FinfishOT	Other Finfish	Acipenser fulvescens (Lake sturgeon)	LKS
FinfishOT	Other Finfish	Albula vulpes (Bonefish)	BNF
FinfishOT	Other Finfish	Amia calva (Bowfin)	BWF
FinfishOT	Other Finfish	Apteronotus albifrons (Black ghost knifefish)	BGK
FinfishOT	Other Finfish	Channa argus argus (Northern snakehead)	NSH
FinfishOT	Other Finfish	Chanos chanos (Milkfish)	MLK
FinfishOT	Other Finfish	Cyprinodon macularius (Desert pupfish)	DSP
FinfishOT	Other Finfish	Engraulidae (Anchovy)	ANC
FinfishOT	Other Finfish	Gymnotus carapo (Banded knifefish)	BND
FinfishOT	Other Finfish	Lagdon rhomboides (Pinfish)	PNF
FinfishOT	Other Finfish	Mugil cephalus (Striped mullet)	STM
FinfishOT	Other Finfish	Opsanus tau (Oyster toadfish)	OYT
FinfishOT	Other Finfish	Orthopristis chrysoptera (Pigfish)	PIG
FinfishOT	Other Finfish	Oryzias latipes (Medaka)	MDK

FinfishOT	Other Finfish	Other Finfish not listed	OT
FinfishOT	Other Finfish	Polyodon spathula (Paddlefish)	PDF
FinfishOT	Other Finfish	Pomatomus saltatrix (Bluefish)	BLF
FinfishOT	Other Finfish	Psetta maxima (European turbot)	EUT
FinfishOT	Other Finfish	Pterophyllum sp. (Angelfish)	ANG
FinfishOT	Other Finfish	Pygocentrus nattereri (Red-bellied piranha)	RBP
FinfishOT	Other Finfish	Scomberesox saurus (Atlantic saury)	ATS
FinfishOT	Other Finfish	Umbra limi (Central mudminnow)	CNM
Flou/Hal	Flounders/Halibut	Hippoglossus hippoglossus (Atlantic halibut)	ATL
Flou/Hal	Flounders/Halibut	Hippoglossus stenolepis (Pacific halibut)	PAC
Flou/Hal	Flounders/Halibut	Paralichthys californicus (California halibut)	CAH
Flou/Hal	Flounders/Halibut	Paralichthys lethostigma (Southern Flounder)	SOU
Flou/Hal	Flounders/Halibut	Paralichthys olivaceus (Japanese flounder)	JAP
Flou/Hal	Flounders/Halibut	Paralichthys squamilentus (Broad flounder)	BRD
Flou/Hal	Flounders/Halibut	Reinhardtius hippoglossoides (Greenland halibut)	GLH
Flou/Hal	Flounders/Halibut	Verasper variegates (Spotted halibut)	SPH
GAR	Gar	Lepisosteus oculatus (Spotted gar)	SPG
GAR	Gar	Lepisosteus osseus (Longnose gar)	LGN
GAR	Gar	Lepisosteus platostomus (Shortnose gar)	STN
Gobies	Gobies	Brachygobius sp. (Bumblebee goby)	BBG
Gobies	Gobies	Clevelandia ios (Arrow goby)	ARW
Gobies	Gobies	Elacatinus sp. (Neon goby)	NEO
Gobies	Gobies	Neogobius melanostomus (Round goby)	RND
Grouper	Grouper	Epinephelus akaara (Hong Kong grouper)	HKG
Grouper	Grouper	Epinephelus awoara (Yellow grouper)	YEL
Grouper	Grouper	Epinephelus bruneus (Longtooth grouper)	LGT
Grouper	Grouper	Epinephelus coioides (Orange-spotted grouper)	OSG
Grouper	Grouper	Epinephelus fuscoguttatus (Brown-marbled grouper)	BMG
Grouper	Grouper	Epinephelus lanceolatus (Giant grouper)	GIA
Grouper	Grouper	Epinephelus malabaricus (Malabar grouper)	MLB
Grouper	Grouper	Epinephelus septemfasciatus (Convict grouper)	CNV
Grouper	Grouper	Epinephelus tauvina (Greasy grouper)	GRE
Grouper	Grouper	Mycteroperca bonaci (Black grouper)	BLG
Herrings	Herrings	Alosa aestivalis (Blueback herring)	BLB
Herrings	Herrings	Alosa chrysochloris (Skipjack herring)	SKP
Herrings	Herrings	Alosa mediocris (Hickory shad)	HCK
Herrings	Herrings	Alosa pseudoharengus (Alewife)	ALE
Herrings	Herrings	Alosa sapidissima (American shad)	AMS
Herrings	Herrings	Brevoortia tyrannus (Atlantic menhaden)	ATM
Herrings	Herrings	Clupea harengus (Atlantic herring)	ATH
Herrings	Herrings	Clupea pallasil (Pacific Herring)	PAH
Herrings	Herrings	Clupea sp. (Herring)	HER
Herrings	Herrings	Dorosoma cepedianum (American Gizzard shad)	AGS
Herrings	Herrings	Dorosoma petenense (Threadfin shad)	THS
Killifish	Killifish	Fundulus diaphanus (Banded killifish)	BND
Killifish	Killifish	Fundulus parvipinnis (California killifish)	CAK
Killifish	Killifish	Fundulus serniolis (Seminole killifish)	SEM
Lampreys	Lampreys	Lampetra tridentata (Pacific lamprey)	PAC
Lampreys	Lampreys	Petromyzon marinus (Sea lamprey)	SEA
Livebearer	Livebearers	Gambusia affinis (Western mosquitofish)	SEM
Livebearer	Livebearers	Gambusia heterochir (Clear creek gambusia)	CCG
Livebearer	Livebearers	Poecilia reticulata (Guppy)	GUP
Livebearer	Livebearers	Poeciliopsis occidentalis (Gila topminnow)	GIL
Loach	Loach	Balitoridae (Hillstream loach)	HIL

Loach	Loach	Cobitidae (Loach)	LOA
Loach	Loach	Gyrinocheilus sp. (Algae eater loach)	ALE
Lobster	Lobster	Homarus americanus (American lobster)	AML
Lobster	Lobster	Homarus gammarus (European lobster)	EUL
Lobster	Lobster	Panulirus argus (Caribbean spiny lobster)	CSP
Lobster	Lobster	Panulirus interruptus (California spiny lobster)	CAP
Lobster	Lobster	Panulirus longipes (Longlegged spiny lobster)	LLS
Lobster	Lobster	Panulirus marginatus (Banded spiny lobster)	BNS
Lobster	Lobster	Panulirus ornatus (Ornate spiny lobster)	ORS
Lobster	Lobster	Panulirus penicillatus (Pronghorn spiny lobster)	PRS
Lobster	Lobster	Panulirus vesicolor (Paintede spiny lobster)	PAS
Lobster	Lobster	Parribacus antarcticus (Chinese slipper lobster)	CHS
Lobster	Lobster	Scyllarides haanii (Ridgeback slipper lobster)	RDS
Lobster	Lobster	Scyllarides squammosus (Common slipper lobster)	CMS
Lobster	Lobster	Scyllarus arctus (Small european locust lobster)	SEL
Mackerel	Mackerel	Scomber japonicus (Chub mackerel)	CHB
Mackerel	Mackerel	Scomberomorus niphonius (Japanese Spanish mackerel)	JPS
Minnows	Cyprinids - Minnows	Campostoma anomalum (Central Stoneroller)	CES
Minnows	Cyprinids - Minnows	Danio rerio (Zebrafish)	ZBR
Minnows	Cyprinids - Minnows	Exoglossum maxillingua (Cutlip minnow)	CTL
Minnows	Cyprinids - Minnows	Hybognathus amarus (Rio Grande silvery minnow)	RGS
Minnows	Cyprinids - Minnows	Lavinia exilicauda (Hitch)	HIT
Minnows	Cyprinids - Minnows	Mylopharodon conocephalus (Hardhead)	HHD
Minnows	Cyprinids - Minnows	Opsopoeodus emiliae (Pugnose minnow)	PGN
Minnows	Cyprinids - Minnows	Pimephales notatus (Bluntnose minnow)	BNM
Minnows	Cyprinids - Minnows	Pimephales promelas (Fathead minnow)	FHM
Minnows	Cyprinids - Minnows	Pimephales tenellus (Slim minnow)	SLM
Minnows	Cyprinids - Minnows	Pimephales vigilax (Bullhead minnow)	BHM
Minnows	Cyprinids - Minnows	Ptychocheilus grandis (Sacramento pikeminnow)	SCP
Minnows	Cyprinids - Minnows	Ptychocheilus oregonensis (Northern pikeminnow)	NOP
Minnows	Cyprinids - Minnows	Rhinichthys cobitis (Loach minnow)	LOA
Minnows	Cyprinids - Minnows	Semotilus corporalis (Fallfish)	FALL
Mooneyes	Mooneyes	Hiodon alosoides (Goldeye)	GDE
Mooneyes	Mooneyes	Hiodon tergisus (Mooneye)	MOE
Mullet	Mullet	Mugil cephalus (Striped/Black/Sea/Flathead grey)	SBS
Mullet	Mullet	Mugil curema (White/Silver mullet)	WHS
Mussels	Mussels	Actinonaias ligamentina (Mucket)	MUC
Mussels	Mussels	Alasmidonta heterodon (Dwarf wedgemussel)	DWW
Mussels	Mussels	Alasmidonta marginata (Elktoe mussel)	ELK
Mussels	Mussels	Alasmidonta undulata (Triangle floater)	TRI
Mussels	Mussels	Alasmidonta varicosa (Brook floater)	BRK
Mussels	Mussels	Amygdalum papyrium (Atlantic paper mussel)	ATP
Mussels	Mussels	Anodonta implicata (Alewife floater mussel)	ALF
Mussels	Mussels	Anodonta suborbiculata (Flat floater mussel)	FLF
Mussels	Mussels	Anomia simplex (Jingle shell)	JNG
Mussels	Mussels	Arcidens confragosus (Rock pocketbook mussel)	RPB
Mussels	Mussels	Astyris lunata (Lunar dovesnail)	LUN
Mussels	Mussels	Brachidontes exustus (Scorched mussel)	SCR
Mussels	Mussels	Dreissena (Freshwater mussels)	FWM
Mussels	Mussels	Dreissena polymorpha (Zebra mussel)	ZEB
Mussels	Mussels	Ellipsaria lineolata (Butterfly mussel)	BUT
Mussels	Mussels	Elliptio buckleyi (Florida shiny pike)	FLS
Mussels	Mussels	Elliptio complanata (Eastern elliptio mussel)	EEL
Mussels	Mussels	Fusconaia burkei (Tapered burkei)	TPB

Mussels	Mussels	Geukensia demissa (Ribbed mussel)	RIB
Mussels	Mussels	Lampsilis cardium (Plain pocketbook mussel)	PPM
Mussels	Mussels	Lampsilis cariosa (Yellow lampmussel)	YEL
Mussels	Mussels	Lampsilis higginsii (Higgins' eye mussel)	HIG
Mussels	Mussels	Lampsilis radiata (Eastern lampmussel)	EAL
Mussels	Mussels	Lampsilis siliquoidea (Fatmucket)	FTM
Mussels	Mussels	Lampsilis teres anodontoides (Yellow sandshell)	YES
Mussels	Mussels	Lampsilis teres teres (Slough sandshell)	SLS
Mussels	Mussels	Lasigoman costata (Flutedshell mussel)	FLT
Mussels	Mussels	Lasmigona complanata (White heelsplitter)	WHH
Mussels	Mussels	Lasmigona compressa (Creek heelsplitter)	CRK
Mussels	Mussels	Leptodea fragilis (Fragile paperwhel)	FRP
Mussels	Mussels	Leptodea ochracea (Tidewater mucket)	TDW
Mussels	Mussels	Ligumia nasuta (Eastern pondmussel)	EAP
Mussels	Mussels	Ligumia recta (Black sandshell)	BLS
Mussels	Mussels	Ligumia subrostrata (Pondmussel)	PND
Mussels	Mussels	Margaritifera margaritifera (Eastern pearlshell)	EPS
Mussels	Mussels	Mytilopsis leucophaeta (Dark falsemussel)	DRK
Mussels	Mussels	Mytilus californianus (California sea mussel)	CAS
Mussels	Mussels	Mytilus edulis (Blue mussel)	BLM
Mussels	Mussels	Mytilus galloprovincialis (Gallo/Mediterranean)	GAL
Mussels	Mussels	Mytilus trossulus (Foolish mussel)	FOO
Mussels	Mussels	Obliquaria reflexa (Threehorn wartyback mussel)	THW
Mussels	Mussels	Obovaria olivaria (Hickorynut mussel)	HNM
Mussels	Mussels	Polymesoda caroliniana (Carolina marshclam)	CAM
Mussels	Mussels	Potamilus alatus (Pink heelsplitter mussel)	PHM
Mussels	Mussels	Potamilus capax (Fat pocketbook mussel)	FAT
Mussels	Mussels	Potamilus purpuratus (Bleufer mussel)	BLE
Mussels	Mussels	Potmailus ohiensis (Pink papershell)	PNK
Mussels	Mussels	Pyganodon cataracta (Eastern floater mussel)	EFM
Mussels	Mussels	Pyganodon grandis (Giant floater mussel)	GIF
Mussels	Mussels	Rangia cuneata (Atlantic rangia)	ATR
Mussels	Mussels	Simpsonaias ambigua (Salamander mussel)	SAL
Mussels	Mussels	Strophitus undulatus (Creeper mussel)	CRE
Mussels	Mussels	Toxolasma parvus (Lilliput mussel)	LIL
Mussels	Mussels	Truncilla donaciformis (Fawnsfoot mussel)	FSF
Mussels	Mussels	Truncilla truncata (Deertoe mussel)	DEE
Mussels	Mussels	Utterbackia imbecillis (Paper pondshell mussel)	PAP
Mussels	Mussels	Villosa choctawensis (Choctaw bean)	CHO
NWSilver	Silversides - New World	Atherinops affinis (Topsmelt)	TPS
NWSilver	Silversides - New World	Labidesthes sicculus (Brook silverside)	BRK
NWSilver	Silversides - New World	Menidia beryllina (Inland silverside)	INL
Oysters	Oysters	Crassostrea ariakensis(Suminoe oyster)	SUM
Oysters	Oysters	Crassostrea corteziensis (Cortez oyster)	CTZ
Oysters	Oysters	Crassostrea gigas (Pacific oyster)	PAC
Oysters	Oysters	Crassostrea hongkongensis (Hong Kong oyster)	HKO
Oysters	Oysters	Crassostrea nippona (Iwagaki oyster)	IWG
Oysters	Oysters	Crassostrea rhizophorae (Mangrove oyster)	MNG
Oysters	Oysters	Crassostrea sikamea (Kumamoto oyster)	KUM
Oysters	Oysters	Crassostrea virginica (Eastern/American oyster)	EAO
Oysters	Oysters	Dendostrea sandvicensis (Hawaiian oyster)	HIO
Oysters	Oysters	Ostrea angasi (Australian Southern flat oyster)	ASF
Oysters	Oysters	Ostrea chilensis (New Zealand flat oyster)	NZF
Oysters	Oysters	Ostrea conchaphila (Olympia oyster)	OLY

Oysters	Oysters	<i>Ostrea denselamellosa</i> (Asian Milin/Asiatic oyster)	ASM
Oysters	Oysters	<i>Ostrea edulis</i> (European flat oyster)	EFO
Oysters	Oysters	<i>Ostrea lutaria</i> (New Zealand dredge oyster)	NZD
Oysters	Oysters	<i>Ostrea puelchana</i> (Argentinian flat oyster)	ARG
Oysters	Oysters	<i>Pinctada fucata</i> (Pearl oyster)	PER
Oysters	Oysters	<i>Pinctada margaritifera</i> (Black-lipped pearl oyster)	BLP
Oysters	Oysters	<i>Saccostrea glomerata</i> (Sydney rock oyster)	SRO
Perches	Perches	<i>Aphredoderus sayanus</i> (Pirate Perch)	PIR
Perches	Perches	<i>Etheostoma blennioides</i> (Greenside darter)	GSD
Perches	Perches	<i>Etheostoma exile</i> (Iowa darter)	IAD
Perches	Perches	<i>Etheostoma flabellare</i> (Fantail darter)	FTD
Perches	Perches	<i>Etheostoma fonticola</i> (Fountain darter)	FNT
Perches	Perches	<i>Etheostoma nigrum</i> (Johnny darter)	JHN
Perches	Perches	<i>Etheostoma olmstedii</i> (Tessellated darter)	TSL
Perches	Perches	<i>Etheostoma spectabile</i> (Orangethroat darter)	OTD
Perches	Perches	<i>Etheostoma thalassinum</i> (Seagreen darter)	SEG
Perches	Perches	<i>Etheostoma zonale</i> (Banded darter)	BND
Perches	Perches	<i>Gymnocephalus cernua</i> (Ruffe)	RUF
Perches	Perches	<i>Hysterocarpus traskii</i> (Tule perch)	TUL
Perches	Perches	<i>Perca flavescens</i> (Yellow perch)	YEL
Perches	Perches	<i>Percina caprodes</i> (Logperch)	LGP
Perches	Perches	<i>Percina macrolepida</i> (Bigscale Logperch)	BSL
Perches	Perches	<i>Percopsis omiscomaycus</i> (Trout-perch)	TRT
Perches	Perches	<i>Sander canadensis</i> (Sauger)	SAU
Perches	Perches	<i>Sander vitreus</i> (Walleye)	WLE
Pikes	Pikes	<i>Esox americanus americanus</i> (Redfin pickerel)	RDF
Pikes	Pikes	<i>Esox americanus vermiculatus</i> (Grass pickerel)	GRA
Pikes	Pikes	<i>Esox lucius</i> (Northern pike)	NOP
Pikes	Pikes	<i>Esox masquinongy</i> (Muskellunge)	MSK
Pikes	Pikes	<i>Esox niger</i> (Chain pickerel)	CHA
Pollock	Pollock	<i>Pollachius virens</i> (Saithe, Pollack, Pollock)	SAP
Salmon	Salmonids - Salmon	<i>Oncorhynchus gorbuscha</i> (Pink salmon)	PNK
Salmon	Salmonids - Salmon	<i>Oncorhynchus keta</i> (Chum salmon)	CHU
Salmon	Salmonids - Salmon	<i>Oncorhynchus kisutch</i> (COHO salmon)	COH
Salmon	Salmonids - Salmon	<i>Oncorhynchus nerka</i> (Kokanee salmon)	KKN
Salmon	Salmonids - Salmon	<i>Oncorhynchus nerka</i> (Sockeye salmon)	SOK
Salmon	Salmonids - Salmon	<i>Oncorhynchus tshawytscha</i> (Chinook salmon)	CHN
Salmon	Salmonids - Salmon	<i>Salmo salar</i> (Atlantic salmon)	ATL
Salmon	Salmonids - Salmon	<i>Thymallus thymallus</i> (Grayling)	GRY
SalmonidOT	Salmonids - Other	<i>Coregonus artedii</i> (Cisco; Lake herring)	CIS
SalmonidOT	Salmonids - Other	<i>Coregonus clupeaformis</i> (Lake whitefish)	LKW
SalmonidOT	Salmonids - Other	<i>Coregonus hoyi</i> (Bloater)	BLO
SalmonidOT	Salmonids - Other	<i>Prosopium cylindraceum</i> (Round whitefish)	RDW
SalmonidOT	Salmonids - Other	<i>Prosopium williamsoni</i> (Mountain whitefish)	MNW
SalmonidOT	Salmonids - Other	<i>Salvelinus alpinus</i> (Arctic char)	ARC
Scallops	Scallops	<i>Argopecten gibbus</i> (Calico scallop)	CAL
Scallops	Scallops	<i>Argopecten irradians</i> (Bay scallop)	BAY
Scallops	Scallops	<i>Chlamys hastata</i> (Spiny scallop)	SPN
Scallops	Scallops	<i>Chlamys islandica</i> (Iceland scallop)	ICE
Scallops	Scallops	<i>Chlamys rubida</i> (Pink scallop)	PNK
Scallops	Scallops	<i>Crassedoma giganteum</i> (Rock scallop)	RCK
Scallops	Scallops	<i>Patinopecten caurinus</i> (Weathervane scallop)	WVS
Scallops	Scallops	<i>Placopecten magellanicus</i> (Atlantic sea scallop)	ATS
Sculpins	Sculpins	<i>Cottus asper</i> (Prickly sculpin)	PRK

Sculpins	Sculpins	<i>Cottus bairdii</i> (Mottled sculpin)	MOT
Sculpins	Sculpins	<i>Cottus beldingii</i> (Paiute sculpin)	PAI
Sculpins	Sculpins	<i>Cottus carolinae</i> (Banded sculpin)	BND
Sculpins	Sculpins	<i>Cottus cognatus</i> (Slimy sculpin)	SLM
Sculpins	Sculpins	<i>Cottus confusus</i> (Shorthead sculpin)	SHT
Sculpins	Sculpins	<i>Cottus greenei</i> (Shoshone sculpin)	SHO
Sculpins	Sculpins	<i>Cottus gulosus</i> (Riffle sculpin)	RIF
Sculpins	Sculpins	<i>Cottus leiopomus</i> (Wood river sculpin)	WOR
Sculpins	Sculpins	<i>Cottus perplexus</i> (Reticulate sculpin)	RTC
Sculpins	Sculpins	<i>Cottus ricei</i> (Spoonhead sculpin)	SPH
SeaSnail	Sea Snails	<i>Bittium varium</i> (Grass cerith)	GRA
SeaSnail	Sea Snails	<i>Boonea impressa</i> (Impressed odostome)	IMP
SeaSnail	Sea Snails	<i>Boonea seminuda</i> (Half-smooth odostome)	HSO
SeaSnail	Sea Snails	<i>Bostrycapulus aculeatus</i> (Spiny slippersnail)	SPS
SeaSnail	Sea Snails	<i>Busycon carica</i> (Knobbed whelk)	KNW
SeaSnail	Sea Snails	<i>Busycon contrarium</i> (Lightning whelk)	LGH
SeaSnail	Sea Snails	<i>Busycon spiratum pyruloides</i> (Pearwhelk)	PEA
SeaSnail	Sea Snails	<i>Busycon</i> spp. (Whelks)	WHK
SeaSnail	Sea Snails	<i>Caecum pulchellum</i> (Beautiful caecum)	BEA
SeaSnail	Sea Snails	<i>Cerithiopsis greenii</i> (Green's small cerith)	GRE
SeaSnail	Sea Snails	<i>Costoanachis avara</i> (Greedy dovesnail)	GRD
SeaSnail	Sea Snails	<i>Crepidula convexa</i> (Convex slippersnail)	CNV
SeaSnail	Sea Snails	<i>Crepidula plana</i> (Eastern white slippersnail)	EAW
SeaSnail	Sea Snails	<i>Diodora cayenensis</i> (Cayenne keyhole limpet)	CAY
SeaSnail	Sea Snails	<i>Eupleura caudata</i> (Thick-lip drill)	TLO
SeaSnail	Sea Snails	<i>Eupleura sulcidentata</i> (Sharp-rib drill)	SHR
SeaSnail	Sea Snails	<i>Pomacea</i> sp. (Apple snails)	APP
Sharks	Sharks	<i>Apristurus</i> sp. (Roughskin catshark)	RSK
Sharks	Sharks	<i>Asymbolus rubiginosus</i> (Orange spotted catshark)	OSC
Sharks	Sharks	<i>Asymbolus vincenti</i> (Gulf catshark)	GLF
Sharks	Sharks	<i>Atelomycterus marmoratus</i> (Coral catshark)	COR
Sharks	Sharks	<i>Aysmbolus analis</i> (Grey spotted catshark)	GSC
Sharks	Sharks	<i>Brachaelurus waddi</i> (Blind shark)	BLN
Sharks	Sharks	<i>Carcharhinus albimarginatus</i> (Silvertip shark)	SLT
Sharks	Sharks	<i>Carcharhinus amblyrhynchos</i> (Grey reef shark)	GRR
Sharks	Sharks	<i>Carcharhinus brachyurus</i> (Bronze whaler shark)	BRZ
Sharks	Sharks	<i>Carcharhinus brevipinna</i> (Spinner shark)	SPN
Sharks	Sharks	<i>Carcharhinus falciformis</i> (Silky shark)	SLK
Sharks	Sharks	<i>Carcharhinus galapagensis</i> (Galapagos shark)	GAL
Sharks	Sharks	<i>Carcharhinus leucas</i> (Bull shark)	BUL
Sharks	Sharks	<i>Carcharhinus limbatus</i> (Blacktip shark)	BLK
Sharks	Sharks	<i>Carcharhinus longimanus</i> (Oceanic whitetip shark)	OWS
Sharks	Sharks	<i>Carcharhinus melanopterus</i> (Blacktip reef shark)	BRS
Sharks	Sharks	<i>Carcharhinus obscurus</i> (Dusky shark)	DUS
Sharks	Sharks	<i>Carcharhinus perezi</i> (Caribbean reef shark)	CAR
Sharks	Sharks	<i>Carcharias taurus</i> (Sand tiger shark)	SDT
Sharks	Sharks	<i>Carcharodon carcharias</i> (Great white shark)	GWS
Sharks	Sharks	<i>Carcharodon megalodon</i> (Megalodon shark)	MEG
Sharks	Sharks	<i>Cephaloscyllium laticeps</i> (Draughtboard swell shark)	DGT
Sharks	Sharks	<i>Cephaloscyllium nascione</i> (Whitefish swell shark)	WSS
Sharks	Sharks	<i>Cephaloscyllium</i> sp. A (Whitefish catshark)	SHC
Sharks	Sharks	<i>Cephaloscyllium ventriosum</i> (Swell shark)	SWL
Sharks	Sharks	<i>Cetorhinus maximus</i> (Basking shark)	BSK
Sharks	Sharks	<i>Chiloscyllium griseum</i> (Gray bamboo shark)	GRB

Sharks	Sharks	<i>Chiloscyllium plagiosum</i> (Bamboo/cat shark)	BAM
Sharks	Sharks	<i>Chiloscyllium punctatum</i> (Brownbanded bamboo shark)	BRB
Sharks	Sharks	<i>Chlamydoselachus anguineus</i> (Frilled shark)	FRL
Sharks	Sharks	<i>Dalatias icha</i> (Black shark)	BLS
Sharks	Sharks	<i>Etmopterus granulosus</i> (Southern lantern shark)	SLN
Sharks	Sharks	<i>Etmopterus mollerii</i> (Mollers lantern shark)	MLN
Sharks	Sharks	<i>Etmopterus pusillus</i> (Slender Lantern shark)	SLS
Sharks	Sharks	<i>Eucrossohrinus dasyopogon</i> (Tasselled wobbegong)	TSW
Sharks	Sharks	<i>Furgaleus macki</i> (Whiskery shark)	WHK
Sharks	Sharks	<i>Galeocerdo cuvier</i> (Tiger shark)	TIG
Sharks	Sharks	<i>Galeorhinus galeus</i> (School shark)	SCH
Sharks	Sharks	<i>Galeus boardmani</i> (Sawtail shark)	SWT
Sharks	Sharks	<i>Ginglymostoma cirratum</i> (Nurse shark)	NUR
Sharks	Sharks	<i>Haploblepharus pictus</i> (Dark shyshark)	DKS
Sharks	Sharks	<i>Hemiscyllium freycineti</i> (Freckled carpet shark)	FRC
Sharks	Sharks	<i>Hemiscyllium ocellatum</i> (Epaulette shark)	EPL
Sharks	Sharks	<i>Heptranchias perlo</i> (Sharpnose sevengill shark)	SSS
Sharks	Sharks	<i>Heterodontus francisci</i> (California horn shark)	CAH
Sharks	Sharks	<i>Heterodontus galeatus</i> (Crested horn shark)	CRH
Sharks	Sharks	<i>Heterodontus mexicanus</i> (Mexican horn shark)	MXH
Sharks	Sharks	<i>Heterodontus portusjacksoni</i> (Port jackson shark)	PTJ
Sharks	Sharks	<i>Heterodontus quoyi</i> (Galapagos horn shark)	GHS
Sharks	Sharks	<i>Hexanchus griseus</i> (Bluntnose sixgill shark)	BSS
Sharks	Sharks	<i>Isurus oxyrinchus</i> (Mako shark)	MAK
Sharks	Sharks	<i>Lamna ditropis</i> (Salmon shark)	SAL
Sharks	Sharks	<i>Mitsukurina owstoni</i> (Goblin shark)	GOB
Sharks	Sharks	<i>Mustellus californicus</i> (Grey smoothhound shark)	GSM
Sharks	Sharks	<i>Mustelus antarcticus</i> (Gummy shark)	GUM
Sharks	Sharks	<i>Nebrius ferrugineus</i> (Tawny nuse shark)	TWN
Sharks	Sharks	<i>Negaprion brevirostris</i> (Lemon shark)	LEM
Sharks	Sharks	<i>Notorynchus cepedianus</i> (Broadnose sevengill shark)	BNS
Sharks	Sharks	<i>Odontaspis ferox</i> (Smalltough sand tiger shark)	SST
Sharks	Sharks	<i>Orectolobus maculatus</i> (Spotted wobbegong shark)	SWS
Sharks	Sharks	<i>Orectolobus ornatus</i> (Ornate wobbegong shark)	OWO
Sharks	Sharks	<i>Orectolobus</i> sp. (Western wobbegong shark)	WWO
Sharks	Sharks	<i>Oxynotus bruniensis</i> (Prickly dogfish shark)	PDS
Sharks	Sharks	<i>Parascyllium collare</i> (Collared carpet shark)	CCS
Sharks	Sharks	<i>Parascyllium ferrugineum</i> (Varied carpetshark)	VAR
Sharks	Sharks	<i>Poroderma africanum</i> (Pyjama catshark)	PYJ
Sharks	Sharks	<i>Prionace glauca</i> (Blue shark)	BLU
Sharks	Sharks	<i>Pristiophorus cirratus</i> (Longnose sawshark)	LNS
Sharks	Sharks	<i>Rhincodon typus</i> (Whale shark)	WHS
Sharks	Sharks	<i>Sphyrna lewini</i> (Hammerhead shark)	HMH
Sharks	Sharks	<i>Sphyrna mokarran</i> (Great hammerhead shark)	GHM
Sharks	Sharks	<i>Squalus megalops</i> (Piked spurdog shark)	PSS
Sharks	Sharks	<i>Squalus mitsukurii</i> (Greeneye spurdog shark)	GSS
Sharks	Sharks	<i>Squantina californica</i> (Pacific angel shark)	PAN
Sharks	Sharks	<i>Squantina</i> sp. (Eastern angel shark)	EAN
Sharks	Sharks	<i>Squatina australis</i> (Australian angel shark)	AUA
Sharks	Sharks	<i>Stegostoma fasciatum</i> (Zebra shark)	ZEB
Sharks	Sharks	<i>Sutorectus tentaculatus</i> (Cobbler wobbegong shark)	COW
Sharks	Sharks	<i>Triaenodon obesus</i> (Whitetip reef shark)	WTR
Sharks	Sharks	<i>Triakis semifasciata</i> (Leopard shark)	LEO
ShellOT	Other Shellfish	<i>Artemia</i> spp. (Brine shrimp; Sea Monkeys)	BRS

ShellOT	Other Shellfish	Balanus spp. (Barnacles)	BRN
ShellOT	Other Shellfish	Other Shellfish not listed	OT
ShellOT	Other Shellfish	Triops spp. (tadpole shrimp)	TSH
Shiners	Cyprinids - Shiners	Cyprinella analostana (Satinfin shiner)	SAT
Shiners	Cyprinids - Shiners	Cyprinella caerulea (Blue shiner)	BLS
Shiners	Cyprinids - Shiners	Cyprinella galactura (Whitetail shiner)	WHT
Shiners	Cyprinids - Shiners	Cyprinella lutrensis (Red shiner)	RED
Shiners	Cyprinids - Shiners	Cyprinella pyrrhomelas (Fieryblack shiner)	FIE
Shiners	Cyprinids - Shiners	Luxilus cerasinus (Crescent shiner)	CRS
Shiners	Cyprinids - Shiners	Luxilus coccogenis (Warpaint shiner)	WRP
Shiners	Cyprinids - Shiners	Lythrurus ardens (Rosefin shiner)	RSF
Shiners	Cyprinids - Shiners	Notemigonus crysoleucas (Golden shiner)	GLD
Shiners	Cyprinids - Shiners	Notropis atherinoides (Emerald shiner)	EMS
Shiners	Cyprinids - Shiners	Notropis chiliticus (Redlip shiner)	RDL
Shiners	Cyprinids - Shiners	Notropis cornutus (Common shiner)	COM
Shiners	Cyprinids - Shiners	Notropis girardi (Arkansas river shiner)	ARR
Shiners	Cyprinids - Shiners	Notropis hudsonius (Spottail shiner)	STS
Shiners	Cyprinids - Shiners	Notropis leuciodus(Tennessee shiner)	TNS
Shiners	Cyprinids - Shiners	Notropis lutipinnis (Yellowfin shiner)	YFS
Shiners	Cyprinids - Shiners	Notropis mekistocholas (Cape Fear shiner)	CFS
Shiners	Cyprinids - Shiners	Notropis photogenis (Silver shiner)	SLV
Shiners	Cyprinids - Shiners	Notropis procne (Swallowtail shiner)	SWT
Shiners	Cyprinids - Shiners	Notropis sceptor (Sandbar shiner)	SND
Shiners	Cyprinids - Shiners	Notropis spilopterus (Spotfin shiner)	SPF
Shiners	Cyprinids - Shiners	Notropis volucellus (Mimic shiner)	MIM
Shiners	Cyprinids - Shiners	Richardsonius balteatus (Redside shiner)	RDS
Shiners	Cyprinids - Shiners	Richardsonius egregius(Lahontan redside)	LAH
Shrimp	Shrimp	Aristeus antennatus (Blue and Red shrimp)	BRS
Shrimp	Shrimp	Asctes japonicus (Akiama Paste shrimp)	AKP
Shrimp	Shrimp	Cherax destructor albidus (Yabby shrimp)	YAB
Shrimp	Shrimp	Crangon crangon (Common shrimp)	COM
Shrimp	Shrimp	Exopalaemon orientalis (Oriental prawn)	ORI
Shrimp	Shrimp	Exopalaemon styliferus (Roshma prawn)	RSH
Shrimp	Shrimp	Farfantepenaeus aztecus (Brown shrimp)	BRN
Shrimp	Shrimp	Farfantepenaeus brasiliensis (Redspotted shrimp)	RSS
Shrimp	Shrimp	Farfantepenaeus californiensis(Yellowleg shrimp)	YEL
Shrimp	Shrimp	Farfantepenaeus duorarum (Pink shrimp)	PNK
Shrimp	Shrimp	Farfantepenaeus notialis (Candied shrimp)	CND
Shrimp	Shrimp	Farfantepenaeus paulensis (São Paulo Shrimp)	SPS
Shrimp	Shrimp	Farfantepenaeus subtilis(Southern Brown shrimp)	SBS
Shrimp	Shrimp	Fenneropenaeus chinensis (Fleshy prawn)	FLS
Shrimp	Shrimp	Fenneropenaeus indicus (Indian/white/tugela prawn)	IND
Shrimp	Shrimp	Fenneropenaeus merguensis (Banana prawn)	BNN
Shrimp	Shrimp	Fenneropenaeus penicillatus (Redtail prawn)	RTP
Shrimp	Shrimp	Heterocarpus reedi (Chilean Nylon shrimp)	CNS
Shrimp	Shrimp	Litopenaeus occidentalis (Western White shrimp)	WWS
Shrimp	Shrimp	Litopenaeus schmitti (Southern White shrimp)	SWS
Shrimp	Shrimp	Litopenaeus setiferus (Northern white shrimp)	NWS
Shrimp	Shrimp	Litopenaeus stylirostris (Pacific blue shrimp)	PAB
Shrimp	Shrimp	Litopenaeus vannamei (Pacific white shrimp)	PAW
Shrimp	Shrimp	Macrobrachium idella (Sunset shrimp)	SUN
Shrimp	Shrimp	Macrobrachium lamerrae (none)	LAM
Shrimp	Shrimp	Macrobrachium lanchesteri (Riceland prawn)	RCL
Shrimp	Shrimp	Macrobrachium rosenbergii (Giant freshwater prawn)	GFP

Shrimp	Shrimp	Macrobrachium sintangense (Sunda river prawn)	SNR
Shrimp	Shrimp	Marsupenaeus japonicus (Karuma prawn/shrimp)	KAR
Shrimp	Shrimp	Melicertus marginatus (Marginated shrimp)	MARG
Shrimp	Shrimp	Melicertus plebejus (Eastern King prawn)	EKP
Shrimp	Shrimp	Metapenaeus dobsoni (Kadal shrimp)	KAD
Shrimp	Shrimp	Metapenaeus elegans (Fine shrimp)	FIN
Shrimp	Shrimp	Metapenaeus ensis (Greasyback shrimp)	GRE
Shrimp	Shrimp	Metapenaeus lysianassa (Bird shrimp)	BRD
Shrimp	Shrimp	Metapenaeus monoceros (Speckled shrimp)	SPC
Shrimp	Shrimp	Palaemon adspersus (Baltic prawn)	BAL
Shrimp	Shrimp	Palaemon serrifer (Barred Estuarine shrimp)	BRE
Shrimp	Shrimp	Panaeus esculentus (Brown Tiger prawn)	BRT
Shrimp	Shrimp	Pandalopsis dispar (Sidestripe shrimp)	SSS
Shrimp	Shrimp	Pandalus borealis (Nothern pink shrimp)	NPN
Shrimp	Shrimp	Pandalus danae (Dock/coonstripe shrimp)	DCS
Shrimp	Shrimp	Pandalus eous (Rough/northern pink shrimp)	RNP
Shrimp	Shrimp	Pandalus goniurus (Humpy shrimp)	HUM
Shrimp	Shrimp	Pandalus hypsinotis (Humpback/coonstipe shrimp)	HMP
Shrimp	Shrimp	Pandalus jordani (Ocean/smooth pink shrimp)	SMP
Shrimp	Shrimp	Pandalus platyceros (Spot/Alaskan prawn)	SPT
Shrimp	Shrimp	Paraperaeopsis stylifera (Karikkadi shrimp)	KRK
Shrimp	Shrimp	Penaeus monodon (Black tiger shrimp)	BLT
Shrimp	Shrimp	Penaeus semisulcatus (Green tiger prawn)	GRT
Shrimp	Shrimp	Rimapenaeus similis (Yellow Roughneck shrimp)	YER
Shrimp	Shrimp	Sicyonia brevirostris (Rock shrimp)	RCK
Shrimp	Shrimp	Solenocera crassicornis (Coastal Mud shrimp)	CMC
Shrimp	Shrimp	Solenocera indica (Costal mud shrimp)	CMI
Shrimp	Shrimp	Squilla mantis (Mantis shrimp)	MNT
Shrimp	Shrimp	Trachysalambria curvirostris (S. rough shrimp)	SRS
Shrimp	Shrimp	Xiphopenaeus kroyeri (Seabobs shrimp)	SEB
Smelts	Smelts	Hypomesus transpacificus (Delta smelt)	DLT
Smelts	Smelts	Osmerus mordax (Rainbow smelt)	RNB
Smelts	Smelts	Spirinchus thaleichthys (Logfin smelt)	LGF
Squids	Squids	Loligo opalescens (Pacific squid)	PAC
Stickle	Sticklebacks	Culaea inconstans (Brook stickleback)	BRK
Stickle	Sticklebacks	Gasterosteus aculeatus (Threespine stickleback)	THS
Stickle	Sticklebacks	Pungitius pungitius (Ninespine stickleback)	NNS
Suckers	Suckers	Caipiodes carpio (River carpsucker)	RVC
Suckers	Suckers	Caipiodes velifer (Highfin carpsucker)	HFC
Suckers	Suckers	Carpionodes cyprinus (Quillback)	QUL
Suckers	Suckers	Castostomus clarkii (Desert sucker)	DST
Suckers	Suckers	Castostomus latipinnis (Flannelmouth sucker)	FLM
Suckers	Suckers	Catostomus ardens (Utah sucker)	UTS
Suckers	Suckers	Catostomus catostomus (Longnose sucker)	LNS
Suckers	Suckers	Catostomus columbianus (Bridgelip sucker)	BRD
Suckers	Suckers	Catostomus commersonii (White sucker)	WHT
Suckers	Suckers	Catostomus insignis (Sonora sucker)	SON
Suckers	Suckers	Catostomus macrocheilus (Largescale sucker)	LGS
Suckers	Suckers	Catostomus occidentalis (Sacramento sucker)	SAC
Suckers	Suckers	Catostomus platyrhynchus (Mountain sucker)	MOU
Suckers	Suckers	Catostomus tahoensis (Tahoe sucker)	TAH
Suckers	Suckers	Chasmistes brevirostris (Shornose sucker)	SHN
Suckers	Suckers	Chasmistes cujus (Cui-ui)	CUI
Suckers	Suckers	Cycleptus elongatus (Blue sucker)	BLU

Suckers	Suckers	<i>Deltistes luxatus</i> (Lost river sucker)	LRS
Suckers	Suckers	<i>Erimyzon sucetta</i> (Lake chubsucker)	LKC
Suckers	Suckers	<i>Hypentelium etowanum</i> (Alabama hog sucker)	ALH
Suckers	Suckers	<i>Hypentelium nigricans</i> (Northern hog sucker)	NHS
Suckers	Suckers	<i>Hypentelium roanokense</i> (Roanoke hog sucker)	ROA
Suckers	Suckers	<i>Ictiobus bubalus</i> (Smallmouth buffalo)	BMB
Suckers	Suckers	<i>Ictiobus cyprinellus</i> (Bigmouth buffalo)	BMO
Suckers	Suckers	<i>Ictiobus niger</i> (Black buffalo)	BLK
Suckers	Suckers	<i>Minytrema melanops</i> (Spotted sucker)	SPO
Suckers	Suckers	<i>Moxostoma anisurum</i> (Silver redhorse)	SLR
Suckers	Suckers	<i>Moxostoma carinatum</i> (River redhorse)	RVR
Suckers	Suckers	<i>Moxostoma duquesnii</i> (Black redhorse)	BLR
Suckers	Suckers	<i>Moxostoma erythrurum</i> (Golden redhorse sucker)	GRS
Suckers	Suckers	<i>Moxostoma lachneri</i> (Greater jumprock)	GRJ
Suckers	Suckers	<i>Moxostoma macrolepidotum</i> (Shorthead redhorse)	SHR
Suckers	Suckers	<i>Moxostoma poecilurum</i> (Blacktail redhorse)	BLT
Suckers	Suckers	<i>Moxostoma robustum</i> (Robust redhorse)	ROR
Suckers	Suckers	<i>Moxostoma sp.</i> (Redhorse sucker)	RDH
Suckers	Suckers	<i>Thoburnia rathoeca</i> (Torrent sucker)	TOR
Suckers	Suckers	<i>Xyrauchen texanus</i> (Razorback sucker)	RZB
Sunfishes	Sunfishes	<i>Acantharchus pomotis</i> (Mud sunfish)	MUD
Sunfishes	Sunfishes	<i>Centrarchus macropterus</i> (Flier; Flier bream)	FLI
Sunfishes	Sunfishes	<i>Lepomis auritus</i> (Redbreast sunfish)	RBS
Sunfishes	Sunfishes	<i>Lepomis cyanellus</i> (Green sunfish)	GRN
Sunfishes	Sunfishes	<i>Lepomis gibbosus</i> (Pumpkinseed)	PMK
Sunfishes	Sunfishes	<i>Lepomis gulosus</i> (Warmouth)	WAR
Sunfishes	Sunfishes	<i>Lepomis humilis</i> (Orangespotted sunfish)	ORS
Sunfishes	Sunfishes	<i>Lepomis macrochirus</i> (Bluegill)	BLU
Sunfishes	Sunfishes	<i>Lepomis marginatus</i> (Dollar sunfish)	DOL
Sunfishes	Sunfishes	<i>Lepomis megalotis</i> (Longear sunfish)	LNG
Sunfishes	Sunfishes	<i>Lepomis microlophus</i> (Redear sunfish)	RDE
Sunfishes	Sunfishes	<i>Lepomis punctatus</i> (Spotted sunfish; Stumpknocker)	SPS
Sunfishes	Sunfishes	<i>Pomoxis annularis</i> (White crappie; Speckled Perch)	WHC
Sunfishes	Sunfishes	<i>Pomoxis nigromaculatus</i> (Black crappie)	BLK
Tenpounder	Tenponders	<i>Elops affinis</i> (Machete; Pacific Ladyfish)	MCH
Tenpounder	Tenponders	<i>Elops saurus</i> (Ladyfish; John; Skipjack)	LDY
Tilapia	Tilapia	<i>Oreochromis andersonii</i> (Threespot tilapia)	THS
Tilapia	Tilapia	<i>Oreochromis macrochir</i> (Longfin/Greenhead)	LNG
Tilapia	Tilapia	<i>Oreochromis mossambicus</i> (Mozambique tilapia)	MOZ
Tilapia	Tilapia	<i>Oreochromis niloticus</i> (Nile tilapia)	NIL
Tilapia	Tilapia	<i>Tilapia rendalli</i> (Redbreast tilapia)	RDB
Tilapia	Tilapia	<i>Tilapia sparrmanii</i> (Banded tilapia/bream)	BND
TRA	Tragulidae	Water chevrotain	CH
Trout	Salmonids - Trouts	<i>Oncorhynchus</i> (Gila trout)	GIL
Trout	Salmonids - Trouts	<i>Oncorhynchus clarkii</i> (Cutthroat trout)	CTT
Trout	Salmonids - Trouts	<i>Oncorhynchus clarkii henshawi</i> (Lahontan cutthroat)	LAH
Trout	Salmonids - Trouts	<i>Oncorhynchus clarkii utah</i> (Bonneville cutthroat)	BON
Trout	Salmonids - Trouts	<i>Oncorhynchus clarkii virginialis</i> (Rio Grande cutth)	RGC
Trout	Salmonids - Trouts	<i>Oncorhynchus gilae apache</i> (Apache trout)	APC
Trout	Salmonids - Trouts	<i>Oncorhynchus gilae apache x Oncorhynchus mykiss</i>	OGM
Trout	Salmonids - Trouts	<i>Oncorhynchus mykiss aguabonita</i> (Golden trout)	GLD
Trout	Salmonids - Trouts	<i>Oncorhynchus mykiss x oncorhynchus cla.</i> (Cutbow)	CTB
Trout	Salmonids - Trouts	<i>Oncorhynchus myskiss</i> (Rainbow trout)	RNB
Trout	Salmonids - Trouts	<i>Oncorhynchus myskiss</i> (Steelhead)	STH

Trout	Salmonids - Trouts	Salmo trutta (Brown trout)	BRW
Trout	Salmonids - Trouts	Salvelinus confluentus (Bull trout)	BUL
Trout	Salmonids - Trouts	Salvelinus fontinalis (Brook trout)	BRK
Trout	Salmonids - Trouts	Salvelinus fontinalis x salvelinus confluentus	SFC
Trout	Salmonids - Trouts	Salvelinus malma (Dolly varden trout)	DVT
Trout	Salmonids - Trouts	Salvelinus namaycush (Lake trout)	LKE
Trout	Salmonids - Trouts	Thymallus arcticus (Arctic grayling)	ARG

Avian

CHI	Chickens (Gallus gallus)	Ameraucana chicken breed	AM
CHI	Chickens (Gallus gallus)	Ancona chicken	AN
CHI	Chickens (Gallus gallus)	Andalusian chicken	AD
CHI	Chickens (Gallus gallus)	Arbor Acres chicken strain	AA
CHI	Chickens (Gallus gallus)	Arucana chicken	AR
CHI	Chickens (Gallus gallus)	Australorp chicken	AT
CHI	Chickens (Gallus gallus)	Babcock White Leghorn chicken	BW
CHI	Chickens (Gallus gallus)	Bantam	BA
CHI	Chickens (Gallus gallus)	Brahma chicken	BR
CHI	Chickens (Gallus gallus)	Brown commercial egg layer chicken	BC
CHI	Chickens (Gallus gallus)	Buttercup chicken	BT
CHI	Chickens (Gallus gallus)	chicken - breed not on list	OT
CHI	Chickens (Gallus gallus)	chicken - breed not specified/unknown	UN
CHI	Chickens (Gallus gallus)	Cochin chicken	CH
CHI	Chickens (Gallus gallus)	Cochin, Standard chicken breed	CS
CHI	Chickens (Gallus gallus)	Cornish chicken	CR
CHI	Chickens (Gallus gallus)	Crossbred chicken	MX
CHI	Chickens (Gallus gallus)	Cubalaya chicken	CB
CHI	Chickens (Gallus gallus)	Dekalb chicken strain	DK
CHI	Chickens (Gallus gallus)	Delaware chicken	DE
CHI	Chickens (Gallus gallus)	Dorking chicken	DR
CHI	Chickens (Gallus gallus)	Dutch Bantam chicken breed	DB
CHI	Chickens (Gallus gallus)	Faverolle chicken	FV
CHI	Chickens (Gallus gallus)	Hubbard chicken strain	HB
CHI	Chickens (Gallus gallus)	Leghorn chicken	LH
CHI	Chickens (Gallus gallus)	Marans chicken	MR
CHI	Chickens (Gallus gallus)	Minorca chicken	MN
CHI	Chickens (Gallus gallus)	New Hampshire chicken	NH
CHI	Chickens (Gallus gallus)	Old English Bantam Game chicken breed	EB
CHI	Chickens (Gallus gallus)	Old English Game chicken breed	EG
CHI	Chickens (Gallus gallus)	Orpington chicken	OP
CHI	Chickens (Gallus gallus)	Peterson Farms chicken strain	PT
CHI	Chickens (Gallus gallus)	Phoenix chicken	PH
CHI	Chickens (Gallus gallus)	Plymouth Rock chicken	PR
CHI	Chickens (Gallus gallus)	Polish chicken	PL
CHI	Chickens (Gallus gallus)	Red Jungle Fowl chicken breed	RJ
CHI	Chickens (Gallus gallus)	Rhode Island red chicken	RR
CHI	Chickens (Gallus gallus)	Rhode Island White chicken breed	RW
CHI	Chickens (Gallus gallus)	Rosecomb Bantam chicken breed	RB
CHI	Chickens (Gallus gallus)	Rosecomb chicken	RC
CHI	Chickens (Gallus gallus)	Silkie chicken	SK
CHI	Chickens (Gallus gallus)	White commercial egg layer chicken	WC
CHI	Chickens (Gallus gallus)	Wyandotte chicken	WY
DUC	Duck	Ancona breed duck	AN
DUC	Duck	Crossbred duck	MX
DUC	Duck	Domestic duck - breed not specified/unknown	UN
DUC	Duck	Domestic duck - breed not on list	OT
DUC	Duck	Orpington breed duck	OP
GEE	Goose (Anser anser)	Domestic goose	MG
QUA	Quail	Coturnix japonica	CJ
SWAN	Swan	Swan - breed not specified/unknown	UN
TUR	Turkeys (Meleagris gallopavo)	British United Turkeys turkey strain	BU
TUR	Turkeys (Meleagris gallopavo)	Broad breasted white turkey	BB

TUR	Turkeys (Meleagris gallopavo)	Crossbred turkey	MX
TUR	Turkeys (Meleagris gallopavo)	Domestic turkey - breed not on list	OT
TUR	Turkeys (Meleagris gallopavo)	Domestic turkey - breed not specified/unknown	UN
TUR	Turkeys (Meleagris gallopavo)	Nicholas turkey strain	NL
WB	Wild Birds/Waterfowl	Aleutian Cackling	AC
WB	Wild Birds/Waterfowl	American Black Duck	AB
WB	Wild Birds/Waterfowl	American Coot	CO
WB	Wild Birds/Waterfowl	American Crow	CR
WB	Wild Birds/Waterfowl	American Green-winged Teal	GT
WB	Wild Birds/Waterfowl	American Pipit	AP
WB	Wild Birds/Waterfowl	American Wigeon	AW
WB	Wild Birds/Waterfowl	Arctic Tern	AT
WB	Wild Birds/Waterfowl	Atlantic Brant	BR
WB	Wild Birds/Waterfowl	Atlantic Puffin	PU
WB	Wild Birds/Waterfowl	Bairds Sandpiper	BS
WB	Wild Birds/Waterfowl	Barrows Goldeneye	GO
WB	Wild Birds/Waterfowl	Black Bellied Plover	BP
WB	Wild Birds/Waterfowl	Black Brant	BB
WB	Wild Birds/Waterfowl	Black Guillemot	BG
WB	Wild Birds/Waterfowl	Black Scoter	SC
WB	Wild Birds/Waterfowl	Black Skimmer	SK
WB	Wild Birds/Waterfowl	Black-Crowned Night Heron	NH
WB	Wild Birds/Waterfowl	Black-legged Kittiwake	BK
WB	Wild Birds/Waterfowl	Black-Necked Stilt	ST
WB	Wild Birds/Waterfowl	Blue-winged Teal	BW
WB	Wild Birds/Waterfowl	Bonapartes Gull	BN
WB	Wild Birds/Waterfowl	Brown Pelican	PE
WB	Wild Birds/Waterfowl	Buff-Breasted Sandpiper	SA
WB	Wild Birds/Waterfowl	Bufflehead	BU
WB	Wild Birds/Waterfowl	Cackling Goose	BL
WB	Wild Birds/Waterfowl	Canada Goose	CA
WB	Wild Birds/Waterfowl	Canvasback	CG
WB	Wild Birds/Waterfowl	Cedar Waxwing	CW
WB	Wild Birds/Waterfowl	Cinnamon Teal	CT
WB	Wild Birds/Waterfowl	Common Eider	CE
WB	Wild Birds/Waterfowl	Common Goldeneye	GL
WB	Wild Birds/Waterfowl	Common Loon	CL
WB	Wild Birds/Waterfowl	Common Merganser	CM
WB	Wild Birds/Waterfowl	Common Moorhen	MH
WB	Wild Birds/Waterfowl	Common Raven	RV
WB	Wild Birds/Waterfowl	Common Snipe	SN
WB	Wild Birds/Waterfowl	Common Tern	TN
WB	Wild Birds/Waterfowl	Double-crested Cormorant	DC
WB	Wild Birds/Waterfowl	Dunlin	DU
WB	Wild Birds/Waterfowl	Emperor Goose	EG
WB	Wild Birds/Waterfowl	Eurasian Green-winged Teal	ET
WB	Wild Birds/Waterfowl	Eurasian Wigeon	EW
WB	Wild Birds/Waterfowl	European Starling	ES
WB	Wild Birds/Waterfowl	Fish Crow	FC
WB	Wild Birds/Waterfowl	Fork-tailed Storm Petrel	FP
WB	Wild Birds/Waterfowl	Franklin's Gull	FG
WB	Wild Birds/Waterfowl	Gadwall	GW
WB	Wild Birds/Waterfowl	Glaucous Gull	GG
WB	Wild Birds/Waterfowl	Glaucous-winged Gull	WG

WB	Wild Birds/Waterfowl	Gray-Cheeked Thrush	GC
WB	Wild Birds/Waterfowl	Great Black-backed Gull	GB
WB	Wild Birds/Waterfowl	Great Blue Heron	BH
WB	Wild Birds/Waterfowl	Greater Scaup	GS
WB	Wild Birds/Waterfowl	Greater Snow Goose	SG
WB	Wild Birds/Waterfowl	Greater White-Fronted Goose	WF
WB	Wild Birds/Waterfowl	Greater Yellowlegs	GY
WB	Wild Birds/Waterfowl	Harlequin Duck	HD
WB	Wild Birds/Waterfowl	Herring Gull	HG
WB	Wild Birds/Waterfowl	Hooded Merganser	HM
WB	Wild Birds/Waterfowl	Horned Grebe	GR
WB	Wild Birds/Waterfowl	Killdeer	KD
WB	Wild Birds/Waterfowl	King Eider	KE
WB	Wild Birds/Waterfowl	Laughing Gull	LG
WB	Wild Birds/Waterfowl	Least Auklet	LA
WB	Wild Birds/Waterfowl	Least Sandpiper	SE
WB	Wild Birds/Waterfowl	Lesser Scaup	LP
WB	Wild Birds/Waterfowl	Lesser Snow Goose	LS
WB	Wild Birds/Waterfowl	Lesser White-fronted Goose	LW
WB	Wild Birds/Waterfowl	Lesser Yellowlegs	YL
WB	Wild Birds/Waterfowl	Long-Billed Dowitcher	LD
WB	Wild Birds/Waterfowl	Long-tailed Duck	LT
WB	Wild Birds/Waterfowl	Mallard	MA
WB	Wild Birds/Waterfowl	Mew Gull	MG
WB	Wild Birds/Waterfowl	Mottled Duck	MO
WB	Wild Birds/Waterfowl	Mourning Dove	MD
WB	Wild Birds/Waterfowl	Muscovy Duck	MU
WB	Wild Birds/Waterfowl	Mute Swan	MS
WB	Wild Birds/Waterfowl	Northern Fulmar	NF
WB	Wild Birds/Waterfowl	Northern Gannet	NG
WB	Wild Birds/Waterfowl	Northern Pintail	NP
WB	Wild Birds/Waterfowl	Northern Shoveler	NS
WB	Wild Birds/Waterfowl	Pacific Golden Plover	PP
WB	Wild Birds/Waterfowl	Pectoral Sandpiper	PS
WB	Wild Birds/Waterfowl	Purple Sandpiper	PL
WB	Wild Birds/Waterfowl	Red Knot	RK
WB	Wild Birds/Waterfowl	Red Phalarope	RP
WB	Wild Birds/Waterfowl	Red-Breasted Merganser	RM
WB	Wild Birds/Waterfowl	Redhead	RH
WB	Wild Birds/Waterfowl	Red-legged Kittiwake	KI
WB	Wild Birds/Waterfowl	Red-necked Grebe	RG
WB	Wild Birds/Waterfowl	Red-necked Phalarope	RN
WB	Wild Birds/Waterfowl	Ring-billed Gull	RB
WB	Wild Birds/Waterfowl	Ringed Turtle Dove	TD
WB	Wild Birds/Waterfowl	Ring-necked Duck	RD
WB	Wild Birds/Waterfowl	Rock Pigeon	PG
WB	Wild Birds/Waterfowl	Rock Sandpiper	RO
WB	Wild Birds/Waterfowl	Ross Goose	RS
WB	Wild Birds/Waterfowl	Royal Tern	RT
WB	Wild Birds/Waterfowl	Ruddy Duck	RY
WB	Wild Birds/Waterfowl	Ruddy Turnstone	RU
WB	Wild Birds/Waterfowl	Sanderling	SD
WB	Wild Birds/Waterfowl	Sandhill Crane	SH
WB	Wild Birds/Waterfowl	Semipalmated Sandpiper	SS

WB	Wild Birds/Waterfowl	Sharp-tailed Sandpiper	PI
WB	Wild Birds/Waterfowl	Short-billed Dowitcher	DW
WB	Wild Birds/Waterfowl	Snow Bunting	SB
WB	Wild Birds/Waterfowl	Solitary Sandpiper	SL
WB	Wild Birds/Waterfowl	Spotted Sandpiper	SP
WB	Wild Birds/Waterfowl	Stilt Sandpiper	SI
WB	Wild Birds/Waterfowl	Surf Scoter	SU
WB	Wild Birds/Waterfowl	Swainsons Thrush	SW
WB	Wild Birds/Waterfowl	Thayers Gull	TG
WB	Wild Birds/Waterfowl	Trumpeter Swan	TS
WB	Wild Birds/Waterfowl	Tundra Swan	TU
WB	Wild Birds/Waterfowl	Wedge-tailed Shearwater	WT
WB	Wild Birds/Waterfowl	Western Sandpiper	WS
WB	Wild Birds/Waterfowl	Whimbrel	WH
WB	Wild Birds/Waterfowl	White-winged Scoter	WW
WB	Wild Birds/Waterfowl	Whooper Swan	WO
WB	Wild Birds/Waterfowl	Wild bird - species not on list	OT
WB	Wild Birds/Waterfowl	Wild bird-species not specified/unknown	UN
WB	Wild Birds/Waterfowl	Willet	WI
WB	Wild Birds/Waterfowl	Wilson's Phalarope	WP
WB	Wild Birds/Waterfowl	Wood Duck	WD

Bison

BIS	Bison American	American bison X	AE
BIS	Bison American	Bison bison	BIS
BIS	Bison American	Plains Bison	PB
BIS	Bison American	Wood Bison	WB

Camelid

Camelid	Camel, New World (Lama pacos)	Alpaca	AL
Camelid	Camel, New World (Lama glama)	Llama	LL
Camelid	Camel, Old World (Camelus dromedarius)	Dromedary Camel	DC
Camelid	Camel, Old World (Camelus bactrianus)	Bactrian Camel	BC

Cattle

BOV	Cattle (Bos tarus/indicus)	Aberdeen Angus	AN
BOV	Cattle (Bos tarus/indicus)	Abondance	AB
BOV	Cattle (Bos tarus/indicus)	Africander	AF
BOV	Cattle (Bos tarus/indicus)	Alberes	EE
BOV	Cattle (Bos tarus/indicus)	Alentejana	AJ
BOV	Cattle (Bos tarus/indicus)	Allmogekor	AO
BOV	Cattle (Bos tarus/indicus)	American Bucking Bull	MB
BOV	Cattle (Bos tarus/indicus)	American White Park	AWP
BOV	Cattle (Bos tarus/indicus)	Amerifax	AM
BOV	Cattle (Bos tarus/indicus)	Amrit Mahal zebu	AH
BOV	Cattle (Bos tarus/indicus)	Anatolian Black	AQ
BOV	Cattle (Bos tarus/indicus)	Andalusian Black	AD
BOV	Cattle (Bos tarus/indicus)	Andalusian Blond	AI
BOV	Cattle (Bos tarus/indicus)	Andalusian Gray	AV
BOV	Cattle (Bos tarus/indicus)	Angeln	AG
BOV	Cattle (Bos tarus/indicus)	Angus Plus	AP
BOV	Cattle (Bos tarus/indicus)	Ankina	AK
BOV	Cattle (Bos tarus/indicus)	Ankole	AL
BOV	Cattle (Bos tarus/indicus)	Ankole-Watusi	AW
BOV	Cattle (Bos tarus/indicus)	Argentine Criollo	AC
BOV	Cattle (Bos tarus/indicus)	Asturian Mountain	AT
BOV	Cattle (Bos tarus/indicus)	Aubrac	AU
BOV	Cattle (Bos tarus/indicus)	Aulie-Ata cattle breed	AA
BOV	Cattle (Bos tarus/indicus)	Australian Braford X zebu	ZA
BOV	Cattle (Bos tarus/indicus)	Australian Friesian Sahiwal X zebu	AS
BOV	Cattle (Bos tarus/indicus)	Australian Lowline cattle breed	LO
BOV	Cattle (Bos tarus/indicus)	Australian Milking Zebu X zebu	AZ
BOV	Cattle (Bos tarus/indicus)	Ayrshire	AY
BOV	Cattle (Bos tarus/indicus)	Bachaur	BC
BOV	Cattle (Bos tarus/indicus)	Baladicattle	BAL
BOV	Cattle (Bos tarus/indicus)	Baltana Romaneasca	BH
BOV	Cattle (Bos tarus/indicus)	Barka zebu	BZ
BOV	Cattle (Bos tarus/indicus)	Barzona	BA
BOV	Cattle (Bos tarus/indicus)	Bazadais	BY
BOV	Cattle (Bos tarus/indicus)	Bearnais	BK
BOV	Cattle (Bos tarus/indicus)	Beef breed - not specified	ZB
BOV	Cattle (Bos tarus/indicus)	Beef friesian	BF
BOV	Cattle (Bos tarus/indicus)	Beef shorthorn	BES
BOV	Cattle (Bos tarus/indicus)	Beefmaker	BV
BOV	Cattle (Bos tarus/indicus)	Beefmaster cattle breed	BM
BOV	Cattle (Bos tarus/indicus)	Belarus Red cattle breed	VB
BOV	Cattle (Bos tarus/indicus)	Belgian Blue cattle breed	BB
BOV	Cattle (Bos tarus/indicus)	Belgian Red cattle breed	BRC
BOV	Cattle (Bos tarus/indicus)	Belgian Red Pied cattle	CP
BOV	Cattle (Bos tarus/indicus)	Belgian White and Red cattle breed	DX
BOV	Cattle (Bos tarus/indicus)	Belmont Adaptaur cattle breed	BT
BOV	Cattle (Bos tarus/indicus)	Belmont Red cattle breed	RQ
BOV	Cattle (Bos tarus/indicus)	Belted Galloway cattle breed	BG
BOV	Cattle (Bos tarus/indicus)	Bengali cattle breed	IG
BOV	Cattle (Bos tarus/indicus)	Berrendas cattle breed	EB
BOV	Cattle (Bos tarus/indicus)	Bhagnari cattle breed	BHA
BOV	Cattle (Bos tarus/indicus)	Black Angus cattle breed	BAN
BOV	Cattle (Bos tarus/indicus)	Black Maximizer	BX

BOV	Cattle (Bos tarus/indicus)	Black Welsh cattle breed	WB
BOV	Cattle (Bos tarus/indicus)	Blacksided Trondheim and Norland cattle breed	TR
BOV	Cattle (Bos tarus/indicus)	Blanco Orejinegro cattle breed	OJ
BOV	Cattle (Bos tarus/indicus)	Blonde dAquitaine	BD
BOV	Cattle (Bos tarus/indicus)	Bonsmara cattle breed	NS
BOV	Cattle (Bos tarus/indicus)	Boran cattle breed	ON
BOV	Cattle (Bos tarus/indicus)	Bordelais	OR
BOV	Cattle (Bos tarus/indicus)	Bos grunniens	GX
BOV	Cattle (Bos tarus/indicus)	Bos taurus indicus	ZX
BOV	Cattle (Bos tarus/indicus)	Bos taurus X Bison bison hybrid cattle breed	BE
BOV	Cattle (Bos tarus/indicus)	Braford X zebu cattle breed	BO
BOV	Cattle (Bos tarus/indicus)	Brahma cattle breed	BR
BOV	Cattle (Bos tarus/indicus)	Brahmanstein	ZH
BOV	Cattle (Bos tarus/indicus)	Brahmental	BHM
BOV	Cattle (Bos tarus/indicus)	Brahmousin X zebu cattle breed	BI
BOV	Cattle (Bos tarus/indicus)	Bralers X zebu cattle breed	BL
BOV	Cattle (Bos tarus/indicus)	Brangus cattle breed	BN
BOV	Cattle (Bos tarus/indicus)	Braunvieh cattle breed	BU
BOV	Cattle (Bos tarus/indicus)	Brindle	BRI
BOV	Cattle (Bos tarus/indicus)	British White cattle breed	BW
BOV	Cattle (Bos tarus/indicus)	Brockle Face	BRF
BOV	Cattle (Bos tarus/indicus)	Brown Swiss (beef)	SB
BOV	Cattle (Bos tarus/indicus)	Brown Swiss cattle breed	BS
BOV	Cattle (Bos tarus/indicus)	Brown Welsh cattle breed	WBR
BOV	Cattle (Bos tarus/indicus)	Bubalus bubalus	XU
BOV	Cattle (Bos tarus/indicus)	Buelingo cattle breed	BQ
BOV	Cattle (Bos tarus/indicus)	Busa cattle breed	BUS
BOV	Cattle (Bos tarus/indicus)	Cachena cattle breed	CE
BOV	Cattle (Bos tarus/indicus)	Canadian cattle breed	LK
BOV	Cattle (Bos tarus/indicus)	Canadienne	CN
BOV	Cattle (Bos tarus/indicus)	Canary Island cattle breed	CY
BOV	Cattle (Bos tarus/indicus)	Canchim X zebu cattle breed	CK
BOV	Cattle (Bos tarus/indicus)	Carinthian Blond cattle breed	CO
BOV	Cattle (Bos tarus/indicus)	Cattalo cattle breed	CT
BOV	Cattle (Bos tarus/indicus)	Cattle - breed not on list	OT
BOV	Cattle (Bos tarus/indicus)	Cattle - breed not specified/unknown	US
BOV	Cattle (Bos tarus/indicus)	Cattle - breed not specified/unknown	XK
BOV	Cattle (Bos tarus/indicus)	Caucasian cattle breed	CD
BOV	Cattle (Bos tarus/indicus)	Channi cattle breed	CI
BOV	Cattle (Bos tarus/indicus)	Charbray X zebu cattle breed	CB
BOV	Cattle (Bos tarus/indicus)	Charford X zebu cattle breed	CJ
BOV	Cattle (Bos tarus/indicus)	Charolais cattle breed	CH
BOV	Cattle (Bos tarus/indicus)	Char-Swiss	CS
BOV	Cattle (Bos tarus/indicus)	Chiangus cattle breed	CG
BOV	Cattle (Bos tarus/indicus)	Chianina cattle breed	CA
BOV	Cattle (Bos tarus/indicus)	Chiford cattle breed	CF
BOV	Cattle (Bos tarus/indicus)	Chimaine	CM
BOV	Cattle (Bos tarus/indicus)	Chinampo cattle breed	CHC
BOV	Cattle (Bos tarus/indicus)	Chinese Black-and-white	CW
BOV	Cattle (Bos tarus/indicus)	Cholistani cattle breed	CL
BOV	Cattle (Bos tarus/indicus)	Corriente cattle breed	MC
BOV	Cattle (Bos tarus/indicus)	Costeno con Cuernos cattle breed	CC
BOV	Cattle (Bos tarus/indicus)	Criollo cattle breed	CR
BOV	Cattle (Bos tarus/indicus)	Crossbred - black	BLA

BOV	Cattle (Bos tarus/indicus)	Crossbred - black and white	BLW
BOV	Cattle (Bos tarus/indicus)	Crossbred - black-white face	BWF
BOV	Cattle (Bos tarus/indicus)	Crossbred - red	RED
BOV	Cattle (Bos tarus/indicus)	Crossbred - red-white face	RW
BOV	Cattle (Bos tarus/indicus)	Crossbred - roan (blue or red)	ROA
BOV	Cattle (Bos tarus/indicus)	Crossbred - white	WI
BOV	Cattle (Bos tarus/indicus)	Crossbred Beef	XB
BOV	Cattle (Bos tarus/indicus)	Crossbred cattle - type not specified	XX
BOV	Cattle (Bos tarus/indicus)	Crossbred Dairy	XD
BOV	Cattle (Bos tarus/indicus)	Crossbred Twinner	XT
BOV	Cattle (Bos tarus/indicus)	Cumberland	CU
BOV	Cattle (Bos tarus/indicus)	Dairy breed - not specified	DY
BOV	Cattle (Bos tarus/indicus)	Dairy Synthetic cattle breed	DD
BOV	Cattle (Bos tarus/indicus)	Dajal cattle breed	DC
BOV	Cattle (Bos tarus/indicus)	Damascus cattle breed	DK
BOV	Cattle (Bos tarus/indicus)	Damietta cattle breed	DM
BOV	Cattle (Bos tarus/indicus)	Dangi cattle breed	DG
BOV	Cattle (Bos tarus/indicus)	Danish Black and White	DB
BOV	Cattle (Bos tarus/indicus)	Danish Jersey cattle breed	DJ
BOV	Cattle (Bos tarus/indicus)	Danish Red cattle breed	RD
BOV	Cattle (Bos tarus/indicus)	Danish Red Pied cattle breed	DP
BOV	Cattle (Bos tarus/indicus)	Deoni cattle breed	DQ
BOV	Cattle (Bos tarus/indicus)	Devon cattle breed	DE
BOV	Cattle (Bos tarus/indicus)	Dexter cattle breed	DR
BOV	Cattle (Bos tarus/indicus)	Dhanni cattle breed	DH
BOV	Cattle (Bos tarus/indicus)	Dolafe cattle breed	DO
BOV	Cattle (Bos tarus/indicus)	Droughtmaster X zebu cattle breed	DZ
BOV	Cattle (Bos tarus/indicus)	Dutch Belted cattle breed	DL
BOV	Cattle (Bos tarus/indicus)	Dutch Friesian cattle breed	DF
BOV	Cattle (Bos tarus/indicus)	East Anatolian Red cattle breed	EA
BOV	Cattle (Bos tarus/indicus)	Enderby Island cattle breed	EI
BOV	Cattle (Bos tarus/indicus)	English Longhorn cattle breed	EL
BOV	Cattle (Bos tarus/indicus)	Eringer	ER
BOV	Cattle (Bos tarus/indicus)	Estonian Red cattle breed	ES
BOV	Cattle (Bos tarus/indicus)	European Red Dairy	RE
BOV	Cattle (Bos tarus/indicus)	Evolene cattle breed	EV
BOV	Cattle (Bos tarus/indicus)	Fighting Bull cattle breed	FB
BOV	Cattle (Bos tarus/indicus)	Finnish Ayrshire cattle breed	FI
BOV	Cattle (Bos tarus/indicus)	Fjall cattle breed	FJ
BOV	Cattle (Bos tarus/indicus)	Fleckvieh	FL
BOV	Cattle (Bos tarus/indicus)	Flemish cattle breed	FA
BOV	Cattle (Bos tarus/indicus)	Florida Cracker cattle breed	FC
BOV	Cattle (Bos tarus/indicus)	Fribourg	FR
BOV	Cattle (Bos tarus/indicus)	Galician Blond cattle breed	GB
BOV	Cattle (Bos tarus/indicus)	Galloway cattle breed	GA
BOV	Cattle (Bos tarus/indicus)	Gaolao cattle breed	GL
BOV	Cattle (Bos tarus/indicus)	Gascon cattle breed	GS
BOV	Cattle (Bos tarus/indicus)	Gayal cattle breed	GC
BOV	Cattle (Bos tarus/indicus)	Gelbray X zebu cattle breed	GE
BOV	Cattle (Bos tarus/indicus)	Gelbveih cattle breed	GV
BOV	Cattle (Bos tarus/indicus)	German Angus cattle breed	GG
BOV	Cattle (Bos tarus/indicus)	German Fleck-Vieh cattle breed	GF
BOV	Cattle (Bos tarus/indicus)	German Red Pied cattle breed	GP
BOV	Cattle (Bos tarus/indicus)	Gir cattle breed	GY

BOV	Cattle (<i>Bos tarus/indicus</i>)	Glan cattle breed	GN
BOV	Cattle (<i>Bos tarus/indicus</i>)	Gloucester cattle breed	GO
BOV	Cattle (<i>Bos tarus/indicus</i>)	Grauvieh cattle breed	GI
BOV	Cattle (<i>Bos tarus/indicus</i>)	Greek Shorthorn cattle breed	GH
BOV	Cattle (<i>Bos tarus/indicus</i>)	Greek Steppe cattle breed	GT
BOV	Cattle (<i>Bos tarus/indicus</i>)	Groningen Whiteheaded cattle breed	GR
BOV	Cattle (<i>Bos tarus/indicus</i>)	Guernsey cattle breed	GU
BOV	Cattle (<i>Bos tarus/indicus</i>)	Gujarati cattle breed	GJ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Guzerat cattle breed	GZ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Hallikar cattle breed	HK
BOV	Cattle (<i>Bos tarus/indicus</i>)	Haryana cattle breed	HI
BOV	Cattle (<i>Bos tarus/indicus</i>)	Harton cattle breed	HR
BOV	Cattle (<i>Bos tarus/indicus</i>)	Hays converter cattle breed	HC
BOV	Cattle (<i>Bos tarus/indicus</i>)	Hereford cattle superbreed	HB
BOV	Cattle (<i>Bos tarus/indicus</i>)	Herens cattle breed	HE
BOV	Cattle (<i>Bos tarus/indicus</i>)	Hinterwald cattle breed	HT
BOV	Cattle (<i>Bos tarus/indicus</i>)	Holando-argentino	HA
BOV	Cattle (<i>Bos tarus/indicus</i>)	Holstein - red and white	WW
BOV	Cattle (<i>Bos tarus/indicus</i>)	Holstein-Friesian cattle breed	HO
BOV	Cattle (<i>Bos tarus/indicus</i>)	Horned Hereford	HH
BOV	Cattle (<i>Bos tarus/indicus</i>)	Horro cattle breed	HQ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Hungarian Gray cattle breed	HG
BOV	Cattle (<i>Bos tarus/indicus</i>)	Hybrid (Alberta)	HY
BOV	Cattle (<i>Bos tarus/indicus</i>)	Ibaga X zebu cattle breed	IZ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Illawarra cattle breed	IS
BOV	Cattle (<i>Bos tarus/indicus</i>)	Indo-Brazilian cattle breed	IB
BOV	Cattle (<i>Bos tarus/indicus</i>)	Irish Moiled cattle breed	IM
BOV	Cattle (<i>Bos tarus/indicus</i>)	Israeli Holstein cattle breed	IH
BOV	Cattle (<i>Bos tarus/indicus</i>)	Israeli Red cattle breed	IR
BOV	Cattle (<i>Bos tarus/indicus</i>)	Istoben cattle breed	IT
BOV	Cattle (<i>Bos tarus/indicus</i>)	Jamaica Black X zebu cattle breed	JZ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Jamaica Hope X zebu cattle breed	JH
BOV	Cattle (<i>Bos tarus/indicus</i>)	Jamaica Red X zebu cattle breed	JR
BOV	Cattle (<i>Bos tarus/indicus</i>)	Jaulan cattle breed	JU
BOV	Cattle (<i>Bos tarus/indicus</i>)	Jersey cattle breed	JE
BOV	Cattle (<i>Bos tarus/indicus</i>)	Kangayam cattle breed	KG
BOV	Cattle (<i>Bos tarus/indicus</i>)	Kankrej cattle breed	KK
BOV	Cattle (<i>Bos tarus/indicus</i>)	Karan Fries X zebu cattle breed	KF
BOV	Cattle (<i>Bos tarus/indicus</i>)	Karan Swiss X zebu cattle breed	KS
BOV	Cattle (<i>Bos tarus/indicus</i>)	Kazakh cattle breed	KZ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Kerry cattle breed	KY
BOV	Cattle (<i>Bos tarus/indicus</i>)	Kherigarh cattle breed	KH
BOV	Cattle (<i>Bos tarus/indicus</i>)	Khillari cattle breed	KL
BOV	Cattle (<i>Bos tarus/indicus</i>)	Kholmogory cattle breed	KM
BOV	Cattle (<i>Bos tarus/indicus</i>)	Kilis cattle breed	KI
BOV	Cattle (<i>Bos tarus/indicus</i>)	Krishna Valley cattle breed	KR
BOV	Cattle (<i>Bos tarus/indicus</i>)	Kurdi cattle breed	KD
BOV	Cattle (<i>Bos tarus/indicus</i>)	Kuri cattle breed	KU
BOV	Cattle (<i>Bos tarus/indicus</i>)	Latvian Brown cattle breed	LB
BOV	Cattle (<i>Bos tarus/indicus</i>)	Limousin cattle breed	LM
BOV	Cattle (<i>Bos tarus/indicus</i>)	Limpurger cattle breed	LP
BOV	Cattle (<i>Bos tarus/indicus</i>)	Lincoln red cattle breed	LR
BOV	Cattle (<i>Bos tarus/indicus</i>)	Lineback cattle breed	LD
BOV	Cattle (<i>Bos tarus/indicus</i>)	Lithuanian Red cattle breed	LT

BOV	Cattle (<i>Bos tarus/indicus</i>)	Lohani cattle breed	LI
BOV	Cattle (<i>Bos tarus/indicus</i>)	Longhorn cattle breed	LH
BOV	Cattle (<i>Bos tarus/indicus</i>)	Lourdais cattle breed	LA
BOV	Cattle (<i>Bos tarus/indicus</i>)	Luing cattle breed	LU
BOV	Cattle (<i>Bos tarus/indicus</i>)	Madagascar Zebu cattle breed	MD
BOV	Cattle (<i>Bos tarus/indicus</i>)	Maine Anjou cattle breed	MA
BOV	Cattle (<i>Bos tarus/indicus</i>)	Malvi cattle breed	MV
BOV	Cattle (<i>Bos tarus/indicus</i>)	Mandalong Special	ML
BOV	Cattle (<i>Bos tarus/indicus</i>)	Marchigiana cattle breed	MR
BOV	Cattle (<i>Bos tarus/indicus</i>)	Maremmana cattle breed	ME
BOV	Cattle (<i>Bos tarus/indicus</i>)	Masai cattle breed	MAS
BOV	Cattle (<i>Bos tarus/indicus</i>)	Mashona cattle breed	MH
BOV	Cattle (<i>Bos tarus/indicus</i>)	Maure cattle breed	MAU
BOV	Cattle (<i>Bos tarus/indicus</i>)	Mazandarani cattle breed	MZ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Meusse-Rhine-Ijssel cattle breed	MI
BOV	Cattle (<i>Bos tarus/indicus</i>)	Mewati cattle breed	MW
BOV	Cattle (<i>Bos tarus/indicus</i>)	Milking Devon cattle breed	MK
BOV	Cattle (<i>Bos tarus/indicus</i>)	Milking Shorthorn cattle breed	MS
BOV	Cattle (<i>Bos tarus/indicus</i>)	Mirandesa cattle breed	MN
BOV	Cattle (<i>Bos tarus/indicus</i>)	Modicana cattle breed	MJ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Mongolian cattle breed	MY
BOV	Cattle (<i>Bos tarus/indicus</i>)	Montbeliard cattle breed	MO
BOV	Cattle (<i>Bos tarus/indicus</i>)	Morucha cattle breed	MQ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Murboden cattle breed	MUR
BOV	Cattle (<i>Bos tarus/indicus</i>)	Murrah	MU
BOV	Cattle (<i>Bos tarus/indicus</i>)	Murray Gray cattle breed	MG
BOV	Cattle (<i>Bos tarus/indicus</i>)	Nagori cattle breed	NA
BOV	Cattle (<i>Bos tarus/indicus</i>)	Nanyang cattle breed	NY
BOV	Cattle (<i>Bos tarus/indicus</i>)	Ndama cattle breed	ND
BOV	Cattle (<i>Bos tarus/indicus</i>)	Nellore cattle breed	NE
BOV	Cattle (<i>Bos tarus/indicus</i>)	Nguni cattle breed	NG
BOV	Cattle (<i>Bos tarus/indicus</i>)	Nimari cattle breed	NI
BOV	Cattle (<i>Bos tarus/indicus</i>)	Normandie cattle breed	NM
BOV	Cattle (<i>Bos tarus/indicus</i>)	Norwegian Red cattle breed	NR
BOV	Cattle (<i>Bos tarus/indicus</i>)	Ongole cattle breed	OG
BOV	Cattle (<i>Bos tarus/indicus</i>)	Orma Boran cattle breed	OB
BOV	Cattle (<i>Bos tarus/indicus</i>)	Oropa cattle breed	OO
BOV	Cattle (<i>Bos tarus/indicus</i>)	Ovambo cattle breed	OV
BOV	Cattle (<i>Bos tarus/indicus</i>)	Ox	OX
BOV	Cattle (<i>Bos tarus/indicus</i>)	Parthenais cattle breed (organism)	PA
BOV	Cattle (<i>Bos tarus/indicus</i>)	Philippine Native cattle breed	PN
BOV	Cattle (<i>Bos tarus/indicus</i>)	Pie Rouge de l'Est cattle breed	PR
BOV	Cattle (<i>Bos tarus/indicus</i>)	Piedmontese cattle breed	PI
BOV	Cattle (<i>Bos tarus/indicus</i>)	Pinzgauer cattle breed	PZ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Polish Red cattle breed	PL
BOV	Cattle (<i>Bos tarus/indicus</i>)	Polled Hereford	HP
BOV	Cattle (<i>Bos tarus/indicus</i>)	Polled Jersey cattle breed	PJ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Polled Lincoln Red cattle breed	PX
BOV	Cattle (<i>Bos tarus/indicus</i>)	Polled Shorthorn (US) cattle breed	SP
BOV	Cattle (<i>Bos tarus/indicus</i>)	Polled Simmental cattle breed	PS
BOV	Cattle (<i>Bos tarus/indicus</i>)	Ponwar cattle breed	PW
BOV	Cattle (<i>Bos tarus/indicus</i>)	Qinchuan cattle breed	QC
BOV	Cattle (<i>Bos tarus/indicus</i>)	Ranger X zebu cattle breed	RA
BOV	Cattle (<i>Bos tarus/indicus</i>)	Rath cattle breed	RC

BOV	Cattle (<i>Bos tarus/indicus</i>)	Rathi cattle breed	RH
BOV	Cattle (<i>Bos tarus/indicus</i>)	Ratien Gray cattle breed	RT
BOV	Cattle (<i>Bos tarus/indicus</i>)	Red Angus cattle breed	AR
BOV	Cattle (<i>Bos tarus/indicus</i>)	Red Brahman	RR
BOV	Cattle (<i>Bos tarus/indicus</i>)	Red Brangus X zebu cattle breed	RB
BOV	Cattle (<i>Bos tarus/indicus</i>)	Red Flemish cattle breed	WF
BOV	Cattle (<i>Bos tarus/indicus</i>)	Red Friesian cattle breed	RF
BOV	Cattle (<i>Bos tarus/indicus</i>)	Red Galloway cattle breed	RG
BOV	Cattle (<i>Bos tarus/indicus</i>)	Red Poll cattle breed	RP
BOV	Cattle (<i>Bos tarus/indicus</i>)	Red Polled Ostland cattle breed	RL
BOV	Cattle (<i>Bos tarus/indicus</i>)	Red Sindhi cattle breed	RSI
BOV	Cattle (<i>Bos tarus/indicus</i>)	Red Steppe cattle breed	RST
BOV	Cattle (<i>Bos tarus/indicus</i>)	Reggiana cattle breed	RJ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Retinta cattle breed	RI
BOV	Cattle (<i>Bos tarus/indicus</i>)	Rojhan cattle breed	RK
BOV	Cattle (<i>Bos tarus/indicus</i>)	Romagnola cattle breed	RN
BOV	Cattle (<i>Bos tarus/indicus</i>)	Romosinuano cattle breed	RS
BOV	Cattle (<i>Bos tarus/indicus</i>)	Rotbunte	RO
BOV	Cattle (<i>Bos tarus/indicus</i>)	Russian Black Pied cattle breed	RU
BOV	Cattle (<i>Bos tarus/indicus</i>)	RX3 cattle breed	RX
BOV	Cattle (<i>Bos tarus/indicus</i>)	Sahiwal cattle breed	SW
BOV	Cattle (<i>Bos tarus/indicus</i>)	Salers cattle breed	SA
BOV	Cattle (<i>Bos tarus/indicus</i>)	Salorn cattle breed	SL
BOV	Cattle (<i>Bos tarus/indicus</i>)	San Martinero cattle breed	ST
BOV	Cattle (<i>Bos tarus/indicus</i>)	Sanhe cattle breed	SN
BOV	Cattle (<i>Bos tarus/indicus</i>)	Santa Cruz X zebu cattle breed	SC
BOV	Cattle (<i>Bos tarus/indicus</i>)	Santa Gertudis cattle breed	SG
BOV	Cattle (<i>Bos tarus/indicus</i>)	Sarabi cattle breed	SAR
BOV	Cattle (<i>Bos tarus/indicus</i>)	Scottish Highland cattle breed	SH
BOV	Cattle (<i>Bos tarus/indicus</i>)	Senepol cattle breed	SE
BOV	Cattle (<i>Bos tarus/indicus</i>)	Sharabi cattle breed	SY
BOV	Cattle (<i>Bos tarus/indicus</i>)	Shaver Beef Blend	SV
BOV	Cattle (<i>Bos tarus/indicus</i>)	Shetland cattle breed	SZ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Shorthorn cattle breed	SS
BOV	Cattle (<i>Bos tarus/indicus</i>)	Siboney X zebu cattle breed	SO
BOV	Cattle (<i>Bos tarus/indicus</i>)	Simbrah cattle breed	SI
BOV	Cattle (<i>Bos tarus/indicus</i>)	Simmental cattle breed	SM
BOV	Cattle (<i>Bos tarus/indicus</i>)	Siri zebu cattle breed	ZS
BOV	Cattle (<i>Bos tarus/indicus</i>)	Slovenian Cika cattle breed (organims)	SK
BOV	Cattle (<i>Bos tarus/indicus</i>)	South Devon cattle breed	DS
BOV	Cattle (<i>Bos tarus/indicus</i>)	South Poll	OP
BOV	Cattle (<i>Bos tarus/indicus</i>)	Sussex cattle breed	SX
BOV	Cattle (<i>Bos tarus/indicus</i>)	Swedish Friesian cattle breed	SF
BOV	Cattle (<i>Bos tarus/indicus</i>)	Swedish Red Polled cattle breed	SQ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Swedish Red-and-white cattle breed	SR
BOV	Cattle (<i>Bos tarus/indicus</i>)	Tabapua cattle breed	TB
BOV	Cattle (<i>Bos tarus/indicus</i>)	Tarentaise cattle breed	TA
BOV	Cattle (<i>Bos tarus/indicus</i>)	Taurindicus	TN
BOV	Cattle (<i>Bos tarus/indicus</i>)	Telemark cattle breed	TE
BOV	Cattle (<i>Bos tarus/indicus</i>)	Texas Longhorn cattle breed	TL
BOV	Cattle (<i>Bos tarus/indicus</i>)	Texon cattle breed	TX
BOV	Cattle (<i>Bos tarus/indicus</i>)	Tharparkar cattle breed	TH
BOV	Cattle (<i>Bos tarus/indicus</i>)	Tswana cattle breed	TW
BOV	Cattle (<i>Bos tarus/indicus</i>)	Tuli cattle breed	TI

BOV	Cattle (<i>Bos tarus/indicus</i>)	Turkish Gray Steppe cattle breed	TS
BOV	Cattle (<i>Bos tarus/indicus</i>)	Ukrainian Gray cattle breed	UG
BOV	Cattle (<i>Bos tarus/indicus</i>)	Ukrainian Whiteheaded cattle breed	UW
BOV	Cattle (<i>Bos tarus/indicus</i>)	Umblachery cattle breed	UM
BOV	Cattle (<i>Bos tarus/indicus</i>)	Ural Black Pied cattle breed	UP
BOV	Cattle (<i>Bos tarus/indicus</i>)	Vestland Fjord cattle breed	VF
BOV	Cattle (<i>Bos tarus/indicus</i>)	Vestland Red Polled cattle breed	VP
BOV	Cattle (<i>Bos tarus/indicus</i>)	Vosges cattle breed	VG
BOV	Cattle (<i>Bos tarus/indicus</i>)	Wagyu cattle breed	KB
BOV	Cattle (<i>Bos tarus/indicus</i>)	White Caceres cattle breed (organism)	WC
BOV	Cattle (<i>Bos tarus/indicus</i>)	White Galloway cattle breed	WG
BOV	Cattle (<i>Bos tarus/indicus</i>)	White Park cattle breed	WP
BOV	Cattle (<i>Bos tarus/indicus</i>)	Xinjiang Brown cattle breed	XJ
BOV	Cattle (<i>Bos tarus/indicus</i>)	Yanbian cattle breed	YB
BOV	Cattle (<i>Bos tarus/indicus</i>)	Zebu (unspecified)	ZE

Cervidae

DEER	Deer (Cervidae)	Axis deer - Axis axis	AX
DEER	Deer (Cervidae)	Barasingha - Rucervus duvaucelii	BA
DEER	Deer (Cervidae)	Black tailed deer - Odocoileus hemionus spp	BT
DEER	Deer (Cervidae)	Brocket deer - Mazama spp.	BR
DEER	Deer (Cervidae)	Caribou -Rangifer tarandus	CA
DEER	Deer (Cervidae)	Cervid hybrid	MC
DEER	Deer (Cervidae)	Deer - species not on list	OT
DEER	Deer (Cervidae)	Deer - species not specified/unknown	NS
DEER	Deer (Cervidae)	Dybowski SIKA deer - Cervus nippon subspecies	DY
DEER	Deer (Cervidae)	Elk	ELK
DEER	Deer (Cervidae)	Fallow deer - Dama dama	FD
DEER	Deer (Cervidae)	Hog deer - Hyelaphus porcinus	HG
DEER	Deer (Cervidae)	Maral deer - Cervus maral	ML
DEER	Deer (Cervidae)	Marsh deer -Blastocerus dichotomus	MS
DEER	Deer (Cervidae)	Mule deer - Odocoileus hemionus	MD
DEER	Deer (Cervidae)	Muntjac - Muntiacus spp.	MJ
DEER	Deer (Cervidae)	Pampas deer - Ozotoceros bezoarticus	PA
DEER	Deer (Cervidae)	Pere david's deer - Elaphurus davidianus	PE
DEER	Deer (Cervidae)	Pudu - Pudu spp.	PU
DEER	Deer (Cervidae)	Red deer - Cervus elaphus	RD
DEER	Deer (Cervidae)	Reindeer - Rangifer tarandus	RND
DEER	Deer (Cervidae)	Roe deer (European) - Capreolus capreolus	RO
DEER	Deer (Cervidae)	Sambar deer - Rusa spp.	SA
DEER	Deer (Cervidae)	Sika deer - Cervus nippon	SD
DEER	Deer (Cervidae)	Thorold's deer - Cervus albirostris	TH
DEER	Deer (Cervidae)	Tufted deer -Elaphodus cephalophus	TF
DEER	Deer (Cervidae)	Water deer (Chinese) - Hydropotes inermis	WD
DEER	Deer (Cervidae)	White-tailed deer - Odocoileus virginianus	WT
ELK	Elk (Cervus canadensis)	N.A. Elk /American Wapiti - Cervus canadensis	WA
MOOSE	Moose (Cervidae)	Moose - Alces alces	MO

Equine

EQU	Horse (Equus caballus)	Abyssinian horse breed	AB
EQU	Horse (Equus caballus)	Akhal-Teke horse breed	AK
EQU	Horse (Equus caballus)	Albanian horse breed	AL
EQU	Horse (Equus caballus)	Altai horse breed	AT
EQU	Horse (Equus caballus)	American Bashkir Curly horse breed	AC
EQU	Horse (Equus caballus)	American Buckskin horse	BU
EQU	Horse (Equus caballus)	American Cream Draft horse breed	CD
EQU	Horse (Equus caballus)	American Creme And White	CW
EQU	Horse (Equus caballus)	American miniature horse	AM
EQU	Horse (Equus caballus)	American Mustang horse breed	MS
EQU	Horse (Equus caballus)	American paint horse	PT
EQU	Horse (Equus caballus)	American saddlebred horse	AS
EQU	Horse (Equus caballus)	American Walking Pony horse breed	AW
EQU	Horse (Equus caballus)	Andalusian horse	AA
EQU	Horse (Equus caballus)	Anglo-Arab horse breed	AO
EQU	Horse (Equus caballus)	Anglo-Kabarda horse breed	KB
EQU	Horse (Equus caballus)	Anglo-normand horse breed	NO
EQU	Horse (Equus caballus)	Appaloosa horse	AP
EQU	Horse (Equus caballus)	Arabian horse	AD
EQU	Horse (Equus caballus)	Ardennes horse breed	AN
EQU	Horse (Equus caballus)	Argentine Criollo horse breed	CL
EQU	Horse (Equus caballus)	Asturian tarpan horse X domestic horse breed	TX
EQU	Horse (Equus caballus)	Australian Brumby horse breed	BR
EQU	Horse (Equus caballus)	Australian Stock Horse horse breed	SA
EQU	Horse (Equus caballus)	Australian warmblood horse breed	WA
EQU	Horse (Equus caballus)	Azteca horse breed	AZ
EQU	Horse (Equus caballus)	Baden Wurttemberg horse breed	BW
EQU	Horse (Equus caballus)	Balearic horse breed	BA
EQU	Horse (Equus caballus)	Baluchi horse breed	BL
EQU	Horse (Equus caballus)	Ban-ei horse breed	BI
EQU	Horse (Equus caballus)	Banker Horse horse breed	BH
EQU	Horse (Equus caballus)	Barb horse breed	BB
EQU	Horse (Equus caballus)	Bashkir Curly horse breed	BC
EQU	Horse (Equus caballus)	Bashkir horse breed	BK
EQU	Horse (Equus caballus)	Basotho Pony	BT
EQU	Horse (Equus caballus)	Bavarian Warmblood horse breed	WB
EQU	Horse (Equus caballus)	Belgian horse	GI
EQU	Horse (Equus caballus)	Belgian Warmblood horse breed	GW
EQU	Horse (Equus caballus)	Bhirum Pony horse breed	BP
EQU	Horse (Equus caballus)	Bhotia Pony	PB
EQU	Horse (Equus caballus)	Black Forest	BF
EQU	Horse (Equus caballus)	Boer	BO
EQU	Horse (Equus caballus)	Breton horse breed	BE
EQU	Horse (Equus caballus)	Budyonny horse breed	BY
EQU	Horse (Equus caballus)	Burro	BUR
EQU	Horse (Equus caballus)	Byelorussian Harness horse breed	BN
EQU	Horse (Equus caballus)	Camargue horse breed	CG
EQU	Horse (Equus caballus)	Campolina horse breed	CP
EQU	Horse (Equus caballus)	Canadian horse	CI
EQU	Horse (Equus caballus)	Canadian Rustic Pony horse breed	CR
EQU	Horse (Equus caballus)	Carthusian horse breed	CA
EQU	Horse (Equus caballus)	Caspian horse breed	CS
EQU	Horse (Equus caballus)	Cayuse horse breed	CU

EQU	Horse (Equus caballus)	Cheju horse breed	CJ
EQU	Horse (Equus caballus)	Chilean Corralero horse breed	CC
EQU	Horse (Equus caballus)	Chincoteague Pony horse breed	CT
EQU	Horse (Equus caballus)	Cleveland bay horse	CV
EQU	Horse (Equus caballus)	Clydesdale horse	CY
EQU	Horse (Equus caballus)	Colorado Ranger horse breed	CO
EQU	Horse (Equus caballus)	Connemara Pony horse breed	CM
EQU	Horse (Equus caballus)	Criollo horse breed	CH
EQU	Horse (Equus caballus)	Crioulo horse breed	HC
EQU	Horse (Equus caballus)	Crossbred horse (grade)	MX
EQU	Horse (Equus caballus)	Dales Pony horse breed	DP
EQU	Horse (Equus caballus)	Danish Warmblood horse breed	DW
EQU	Horse (Equus caballus)	Danubian horse breed	DA
EQU	Horse (Equus caballus)	Dartmoor Pony horse breed	DT
EQU	Horse (Equus caballus)	Deliboz horse breed	DB
EQU	Horse (Equus caballus)	Djerma horse breed	DJ
EQU	Horse (Equus caballus)	Dole horse breed	DO
EQU	Horse (Equus caballus)	Don horse breed	DN
EQU	Horse (Equus caballus)	Dongola horse breed	DG
EQU	Horse (Equus caballus)	Donkey- breed not specified/unknown	DK
EQU	Horse (Equus caballus)	Draft breed -not on list	DX
EQU	Horse (Equus caballus)	Dulmen Pony horse breed	DL
EQU	Horse (Equus caballus)	Dutch Draft horse breed	ND
EQU	Horse (Equus caballus)	Dutch Warmblood horse breed	NW
EQU	Horse (Equus caballus)	East Bulgarian horse breed	EB
EQU	Horse (Equus caballus)	Egyptian horse breed	EG
EQU	Horse (Equus caballus)	Eleia horse breed	EL
EQU	Horse (Equus caballus)	Eriskay Pony horse breed	EK
EQU	Horse (Equus caballus)	Estonian Native horse breed	ES
EQU	Horse (Equus caballus)	Exmoor Pony horse breed	EX
EQU	Horse (Equus caballus)	Faeroes Island Horse horse breed	FA
EQU	Horse (Equus caballus)	Falabella horse breed	FL
EQU	Horse (Equus caballus)	Fell Pony horse breed	FE
EQU	Horse (Equus caballus)	Finnhorse horse breed	FN
EQU	Horse (Equus caballus)	Fjord horse	FJ
EQU	Horse (Equus caballus)	Fleuve horse breed	FU
EQU	Horse (Equus caballus)	Florida Cracker horse breed	FK
EQU	Horse (Equus caballus)	Fouta horse breed	FT
EQU	Horse (Equus caballus)	Fredericksborg	FD
EQU	Horse (Equus caballus)	French Horse	FH
EQU	Horse (Equus caballus)	French Saddle pony horse breed	FC
EQU	Horse (Equus caballus)	French Saddlebred	FS
EQU	Horse (Equus caballus)	French Trotter horse breed	TF
EQU	Horse (Equus caballus)	Friesian horse breed	FR
EQU	Horse (Equus caballus)	Galiceno horse	GA
EQU	Horse (Equus caballus)	Galician Pony horse breed	GP
EQU	Horse (Equus caballus)	Gelderland horse breed	GL
EQU	Horse (Equus caballus)	German Warmblood	WG
EQU	Horse (Equus caballus)	Gidran horse breed	GD
EQU	Horse (Equus caballus)	Golden American Saddlebred horse breed	GS
EQU	Horse (Equus caballus)	Gotland horse breed	GT
EQU	Horse (Equus caballus)	Groningen horse breed	GR
EQU	Horse (Equus caballus)	Guangxi horse breed	GG
EQU	Horse (Equus caballus)	Gypsy Vanner horse	GY

EQU	Horse (Equus caballus)	Hackney horse	HN
EQU	Horse (Equus caballus)	Hackney Pony horse breed	HP
EQU	Horse (Equus caballus)	Haflinger horse	HF
EQU	Horse (Equus caballus)	Hanoverian horse	HV
EQU	Horse (Equus caballus)	Hequ horse breed	HQ
EQU	Horse (Equus caballus)	Hessen horse breed	HE
EQU	Horse (Equus caballus)	Highland Pony horse breed	HG
EQU	Horse (Equus caballus)	Hokkaido horse breed	HK
EQU	Horse (Equus caballus)	Holsteiner horse	HT
EQU	Horse (Equus caballus)	Horse - breed not on list	OH
EQU	Horse (Equus caballus)	Horse - breed not specified/unknown	US
EQU	Horse (Equus caballus)	Hucul horse breed	HL
EQU	Horse (Equus caballus)	Hungarian warmblood horse breed	HW
EQU	Horse (Equus caballus)	Hunter horse	HU
EQU	Horse (Equus caballus)	Icelandic horse	IC
EQU	Horse (Equus caballus)	Iomud horse breed	IM
EQU	Horse (Equus caballus)	Irish Draft horse breed	ID
EQU	Horse (Equus caballus)	Jinzhou horse breed	JZ
EQU	Horse (Equus caballus)	Jutland horse breed	JT
EQU	Horse (Equus caballus)	Kabarda horse breed	KH
EQU	Horse (Equus caballus)	Karabair horse breed	KR
EQU	Horse (Equus caballus)	Karabakh horse breed	KK
EQU	Horse (Equus caballus)	Kentucky Mountain Horse	KM
EQU	Horse (Equus caballus)	Kerry Bog Pony	KP
EQU	Horse (Equus caballus)	Kiger Mustang horse breed	KG
EQU	Horse (Equus caballus)	Kirdi Pony horse breed	KD
EQU	Horse (Equus caballus)	Kisber Felver horse breed	KF
EQU	Horse (Equus caballus)	Kiso horse breed	KS
EQU	Horse (Equus caballus)	Kladruby horse breed	KL
EQU	Horse (Equus caballus)	Knabstrup horse breed	KT
EQU	Horse (Equus caballus)	Kushum horse breed	KU
EQU	Horse (Equus caballus)	Kustanai horse breed	KZ
EQU	Horse (Equus caballus)	Large Standard donkey breed	LD
EQU	Horse (Equus caballus)	Latvian horse breed	LV
EQU	Horse (Equus caballus)	Lipizzaner horse	LZ
EQU	Horse (Equus caballus)	Lithuanian Heavy Draft horse breed	LH
EQU	Horse (Equus caballus)	Lokai horse breed	LK
EQU	Horse (Equus caballus)	Losino	LS
EQU	Horse (Equus caballus)	Lusitano horse breed	LU
EQU	Horse (Equus caballus)	Malopolski horse breed	MP
EQU	Horse (Equus caballus)	Mammoth Jack Stock Donkey breed	MD
EQU	Horse (Equus caballus)	Mangalarga horse breed	MG
EQU	Horse (Equus caballus)	Mangalarga Marchador horse breed	MM
EQU	Horse (Equus caballus)	Marwari horse breed	MW
EQU	Horse (Equus caballus)	MBayar horse breed	MB
EQU	Horse (Equus caballus)	Merens horse breed	MR
EQU	Horse (Equus caballus)	Messara horse breed	MZ
EQU	Horse (Equus caballus)	Miniature Donkey breed	SD
EQU	Horse (Equus caballus)	Miniature horse (unspecified)	MHU
EQU	Horse (Equus caballus)	Miniature Mediterranean Donkey	MI
EQU	Horse (Equus caballus)	Misaki horse breed	MK
EQU	Horse (Equus caballus)	Missouri fox trotting horse	MF
EQU	Horse (Equus caballus)	Miyako horse breed	MY
EQU	Horse (Equus caballus)	Mongolian horse breed	MH

EQU	Horse (Equus caballus)	Morab horse breed	MA
EQU	Horse (Equus caballus)	Morgan horse	MN
EQU	Horse (Equus caballus)	Moyle horse breed	MO
EQU	Horse (Equus caballus)	Mule	ML
EQU	Horse (Equus caballus)	Murgese horse	MU
EQU	Horse (Equus caballus)	Mustang horse breed	MT
EQU	Horse (Equus caballus)	National Show Horse horse breed	NH
EQU	Horse (Equus caballus)	National Spotted Saddle Horse horse breed	NS
EQU	Horse (Equus caballus)	New Forest pony	NF
EQU	Horse (Equus caballus)	New Kirgiz horse breed	NK
EQU	Horse (Equus caballus)	Newfoundland Pony horse breed	NP
EQU	Horse (Equus caballus)	Noma horse breed	NM
EQU	Horse (Equus caballus)	Nooitgedacht Pony horse breed	NG
EQU	Horse (Equus caballus)	Noric horse breed	NR
EQU	Horse (Equus caballus)	Norland	NL
EQU	Horse (Equus caballus)	North Swedish Horse horse breed	SH
EQU	Horse (Equus caballus)	Northeastern horse breed	NE
EQU	Horse (Equus caballus)	Oldenburg horse breed	OB
EQU	Horse (Equus caballus)	Orlov Trotter horse breed	OT
EQU	Horse (Equus caballus)	Palomino horse	PL
EQU	Horse (Equus caballus)	Pantaneiro horse breed	PI
EQU	Horse (Equus caballus)	Paso Fino horse	PF
EQU	Horse (Equus caballus)	Peneia horse breed	PE
EQU	Horse (Equus caballus)	Percheron horse	PH
EQU	Horse (Equus caballus)	Peruvian Paso horse	PV
EQU	Horse (Equus caballus)	Pindos horse breed	PD
EQU	Horse (Equus caballus)	Pintabian horse breed	PO
EQU	Horse (Equus caballus)	Pinto	PN
EQU	Horse (Equus caballus)	Poitou Donkey	PU
EQU	Horse (Equus caballus)	Polish Konik	PK
EQU	Horse (Equus caballus)	Polish Warmblood	PW
EQU	Horse (Equus caballus)	Polo Pony	OL
EQU	Horse (Equus caballus)	Pony - breed not specified/ unknown	PY
EQU	Horse (Equus caballus)	Pony of the Americas (POA)	PA
EQU	Horse (Equus caballus)	Pottok tarpan horse X domestic horse breed	PX
EQU	Horse (Equus caballus)	PRE	PR
EQU	Horse (Equus caballus)	Priob horse breed	PC
EQU	Horse (Equus caballus)	Pyrenean Tarpan	PZ
EQU	Horse (Equus caballus)	Qatgani	QG
EQU	Horse (Equus caballus)	Quarab horse breed	QR
EQU	Horse (Equus caballus)	Quarter horse	QH
EQU	Horse (Equus caballus)	Quarter Pony horse breed	QP
EQU	Horse (Equus caballus)	Racking Horse horse breed	RK
EQU	Horse (Equus caballus)	Rhinelander warmblood	RW
EQU	Horse (Equus caballus)	Rocky Mountain Horse horse breed	RH
EQU	Horse (Equus caballus)	Russian Heavy Draft horse breed	RD
EQU	Horse (Equus caballus)	Russian Trotter horse breed	RT
EQU	Horse (Equus caballus)	Sanhe horse breed	SO
EQU	Horse (Equus caballus)	Schleswig horse breed	SC
EQU	Horse (Equus caballus)	Schwarzwald Fuchse horse breed	SW
EQU	Horse (Equus caballus)	Selle Francais horse breed	SJ
EQU	Horse (Equus caballus)	Shagya horse breed	SG
EQU	Horse (Equus caballus)	Shetland pony	SE
EQU	Horse (Equus caballus)	Shire horse	SY

EQU	Horse (Equus caballus)	Single-Footing Horse horse breed	SI
EQU	Horse (Equus caballus)	Skyros horse breed	SK
EQU	Horse (Equus caballus)	Small Standard Donkey breed	SS
EQU	Horse (Equus caballus)	Somali Pony horse breed	SL
EQU	Horse (Equus caballus)	Sorraia horse breed	SR
EQU	Horse (Equus caballus)	Soviet Heavy Draft horse breed	HD
EQU	Horse (Equus caballus)	Spanish Barb horse breed	SB
EQU	Horse (Equus caballus)	Spanish mustang horse	SM
EQU	Horse (Equus caballus)	Spanish-Norman horse breed	SP
EQU	Horse (Equus caballus)	Standard Donkey breed	ST
EQU	Horse (Equus caballus)	Standardbred horse	SN
EQU	Horse (Equus caballus)	Sudan Country-Bred horse breed	SU
EQU	Horse (Equus caballus)	Suffolk horse	SF
EQU	Horse (Equus caballus)	Swedish Warmblood horse breed	WW
EQU	Horse (Equus caballus)	Swiss Horse	WI
EQU	Horse (Equus caballus)	Swiss Warmblood horse breed	IW
EQU	Horse (Equus caballus)	Taishuh horse breed	TA
EQU	Horse (Equus caballus)	Tarpan horse breed	TP
EQU	Horse (Equus caballus)	Tawleed horse breed	TL
EQU	Horse (Equus caballus)	Tennessee walking horse	TW
EQU	Horse (Equus caballus)	Tersk horse breed	TK
EQU	Horse (Equus caballus)	Thessalian	TN
EQU	Horse (Equus caballus)	Thoroughbred horse	TH
EQU	Horse (Equus caballus)	Tokara Horse	TO
EQU	Horse (Equus caballus)	Tori horse breed	TI
EQU	Horse (Equus caballus)	Trakehner horse	TR
EQU	Horse (Equus caballus)	Ukrainian Saddle Horse horse breed	UK
EQU	Horse (Equus caballus)	Viking horse	VK
EQU	Horse (Equus caballus)	Vlaamperd horse breed	VL
EQU	Horse (Equus caballus)	Vladimir Heavy Draft horse breed	VD
EQU	Horse (Equus caballus)	Vyatka horse breed	VY
EQU	Horse (Equus caballus)	Warlander	WL
EQU	Horse (Equus caballus)	Warmblood horse breed	WM
EQU	Horse (Equus caballus)	Welara Pony	WP
EQU	Horse (Equus caballus)	Welsh Pony horse breed	WE
EQU	Horse (Equus caballus)	West African Barb horse breed	WS
EQU	Horse (Equus caballus)	Western Sudan Pony horse breed	WY
EQU	Horse (Equus caballus)	Westphalian horse	WF
EQU	Horse (Equus caballus)	Wielkopolski horse breed	WR
EQU	Horse (Equus caballus)	Wielkopolski horse breed	WH
EQU	Horse (Equus caballus)	Wild Burro	BX
EQU	Horse (Equus caballus)	Wurttemberg horse breed	WU
EQU	Horse (Equus caballus)	Xilingol horse breed	XH
EQU	Horse (Equus caballus)	Yakut horse breed	YK
EQU	Horse (Equus caballus)	Yanqi horse breed	YQ
EQU	Horse (Equus caballus)	Yili horse breed	YL
EQU	Horse (Equus caballus)	Yonaguni horse breed	YN
EQU	Horse (Equus caballus)	Zaniskari Pony	ZK
EQU	Horse (Equus caballus)	Zhemaichu horse breed	ZH

Goats

CAP	Goats (Capra hircus)	Alpine goat	AI
CAP	Goats (Capra hircus)	American Cashmere goat breed	CS
CAP	Goats (Capra hircus)	Anglo nubian goat	NU
CAP	Goats (Capra hircus)	Angora goat	AG
CAP	Goats (Capra hircus)	Boer goat breed	BZ
CAP	Goats (Capra hircus)	Crossbred goat - dairy	DX
CAP	Goats (Capra hircus)	Crossbred goat - fiber	FX
CAP	Goats (Capra hircus)	Crossbred goat - meat	MT
CAP	Goats (Capra hircus)	Crossbred goat - type not specified	MX
CAP	Goats (Capra hircus)	Goat - breed not on list	OT
CAP	Goats (Capra hircus)	Goat - breed not specified/unknown	UK
CAP	Goats (Capra hircus)	Golden Guernsey goat breed	GG
CAP	Goats (Capra hircus)	Kiko goat breed	KK
CAP	Goats (Capra hircus)	La Mancha goat	LN
CAP	Goats (Capra hircus)	Myotonic goat breed	MY
CAP	Goats (Capra hircus)	Nigerian Dwarf goat breed	ND
CAP	Goats (Capra hircus)	Oberhasli goat breed	OH
CAP	Goats (Capra hircus)	Pygmy goat	PY
CAP	Goats (Capra hircus)	Pygora goat breed	PG
CAP	Goats (Capra hircus)	Saanen goat	EN
CAP	Goats (Capra hircus)	Sable	SB
CAP	Goats (Capra hircus)	Savannah	SV
CAP	Goats (Capra hircus)	Spanish goat breed	SG
CAP	Goats (Capra hircus)	Toggenburg goat	TO

Invertebrates

Invert	Invertebrates	Cliona spp. (Boring sponges)	BSP
Invert	Invertebrates	Epitomapta roseola (none)	ROS
Invert	Invertebrates	Glycera dibranchiata(blood worms)	BLW
InvertOT	Other Invertebrates	Actiniaria (sea anemones)	SAN
InvertOT	Other Invertebrates	Anthozoa (corals)	COR
InvertOT	Other Invertebrates	Asteroideae (star fish; sea star)	STR
InvertOT	Other Invertebrates	Cliona/Pione spp. (Boring sponges)	BRS
InvertOT	Other Invertebrates	Cubozoa (jellyfish)	CJY
InvertOT	Other Invertebrates	Echinoidea (sea urchins)	URC
InvertOT	Other Invertebrates	Epitomapta roseola (sea cucumber)	SEA
InvertOT	Other Invertebrates	Glycera dibranchiata(Bloodworm)	BLD
InvertOT	Other Invertebrates	Holothuroidea (sea cucumbers)	CUC
InvertOT	Other Invertebrates	Hydrozoa (jellyfish)	HJY
InvertOT	Other Invertebrates	Other Invertebrates not listed	OT
InvertOT	Other Invertebrates	Polypodiozoa (jellyfish)	PJY
InvertOT	Other Invertebrates	Scyphozoa (jellyfish)	SCJ
InvertOT	Other Invertebrates	Staurozoa (jellyfish)	STJ

Sheep

OVI	Sheep (Ovis aries)	Acipayam	AC
OVI	Sheep (Ovis aries)	Adal	AD
OVI	Sheep (Ovis aries)	Afghan Arabi	AA
OVI	Sheep (Ovis aries)	Africana sheep breed	AF
OVI	Sheep (Ovis aries)	Alai	AL
OVI	Sheep (Ovis aries)	Alcarrena	AR
OVI	Sheep (Ovis aries)	Algarve Churro	AG
OVI	Sheep (Ovis aries)	Algerian Arab	AE
OVI	Sheep (Ovis aries)	Altai (ovine)	AT
OVI	Sheep (Ovis aries)	Altay sheep breed	AY
OVI	Sheep (Ovis aries)	American Blackbelly Sheep	AB
OVI	Sheep (Ovis aries)	Apennine sheep breed	AP
OVI	Sheep (Ovis aries)	Arabi sheep breed	AS
OVI	Sheep (Ovis aries)	Arapawa Island sheep breed	AI
OVI	Sheep (Ovis aries)	Argentine Merino	AM
OVI	Sheep (Ovis aries)	Arles Merino	AN
OVI	Sheep (Ovis aries)	Armenian Semicoursewool	AQ
OVI	Sheep (Ovis aries)	Askanian	AV
OVI	Sheep (Ovis aries)	Awassi sheep breed	AW
OVI	Sheep (Ovis aries)	Balkhi sheep breed	BK
OVI	Sheep (Ovis aries)	Baluchi sheep breed	BA
OVI	Sheep (Ovis aries)	Balwen Welsh Mountain sheep breed	WB
OVI	Sheep (Ovis aries)	Barbado sheep breed	BS
OVI	Sheep (Ovis aries)	Barbados Blackbelly sheep breed	LY
OVI	Sheep (Ovis aries)	Basco-Bearnais	BN
OVI	Sheep (Ovis aries)	Bavarian Forest sheep breed	BVF
OVI	Sheep (Ovis aries)	Bentheimer Landschaf sheep breed	BH
OVI	Sheep (Ovis aries)	Bergamasca sheep breed	BG
OVI	Sheep (Ovis aries)	Berrichon du Cher	BR
OVI	Sheep (Ovis aries)	Beulah Speckled-Face sheep breed	BU
OVI	Sheep (Ovis aries)	Bibrik sheep breed	BI
OVI	Sheep (Ovis aries)	Biellese sheep breed	BE
OVI	Sheep (Ovis aries)	Black Welsh Mountain Sheep breed	BW
OVI	Sheep (Ovis aries)	Blackhead Persian sheep breed	BP
OVI	Sheep (Ovis aries)	Bleu du Maine sheep breed	MB
OVI	Sheep (Ovis aries)	Bluefaced Leicester sheep breed	BF
OVI	Sheep (Ovis aries)	Bond sheep breed	BB
OVI	Sheep (Ovis aries)	Booroola Merino sheep breed	BO
OVI	Sheep (Ovis aries)	Border Cheviot sheep	BC
OVI	Sheep (Ovis aries)	Border Leicester sheep breed	BL
OVI	Sheep (Ovis aries)	Boreray sheep breed	BY
OVI	Sheep (Ovis aries)	Bovska sheep breed	BV
OVI	Sheep (Ovis aries)	Braunes Bergschaf sheep breed	BJ
OVI	Sheep (Ovis aries)	Brazilian Somali sheep breed	BZ
OVI	Sheep (Ovis aries)	Brecknock Hill Cheviot sheep breed	BT
OVI	Sheep (Ovis aries)	Brillenschaf sheep breed	BQ
OVI	Sheep (Ovis aries)	British Milk Sheep breed	MS
OVI	Sheep (Ovis aries)	Bunndner Oberland sheep breed	BX
OVI	Sheep (Ovis aries)	California Red sheep breed	CN
OVI	Sheep (Ovis aries)	California Variegated Mutant sheep breed	CM
OVI	Sheep (Ovis aries)	Campanian Barbary sheep breed	CB
OVI	Sheep (Ovis aries)	Canadian Arcott sheep breed	CD
OVI	Sheep (Ovis aries)	Castlemilk Moorit sheep breed	MC

OVI	Sheep (Ovis aries)	Charollais sheep breed	CO
OVI	Sheep (Ovis aries)	Cheviot sheep	CV
OVI	Sheep (Ovis aries)	Cholistani sheep breed	CH
OVI	Sheep (Ovis aries)	Cine Capari	CC
OVI	Sheep (Ovis aries)	Clun Forest sheep	CF
OVI	Sheep (Ovis aries)	Coburger Fuchsschaf sheep breed	CG
OVI	Sheep (Ovis aries)	Columbia sheep breed	CL
OVI	Sheep (Ovis aries)	Comeback sheep breed	CK
OVI	Sheep (Ovis aries)	Comisana sheep breed	CI
OVI	Sheep (Ovis aries)	Coopworth sheep breed	CP
OVI	Sheep (Ovis aries)	Cormo sheep breed	CS
OVI	Sheep (Ovis aries)	Corriedale sheep	CR
OVI	Sheep (Ovis aries)	Cotswold sheep	CW
OVI	Sheep (Ovis aries)	Crossbred sheep - black-faced	FB
OVI	Sheep (Ovis aries)	Crossbred sheep - face color not specified	HY
OVI	Sheep (Ovis aries)	Crossbred sheep - mottled-faced	MF
OVI	Sheep (Ovis aries)	Crossbred sheep - solid face color (not black)	OS
OVI	Sheep (Ovis aries)	Crossbred sheep - white-faced	WF
OVI	Sheep (Ovis aries)	Daglic	DG
OVI	Sheep (Ovis aries)	Dala sheep breed	DS
OVI	Sheep (Ovis aries)	Dalesbred sheep breed	DB
OVI	Sheep (Ovis aries)	Damani sheep breed	DI
OVI	Sheep (Ovis aries)	Damara sheep breed	SD
OVI	Sheep (Ovis aries)	Dartmoor sheep breed	DT
OVI	Sheep (Ovis aries)	Debouillet sheep	DE
OVI	Sheep (Ovis aries)	Delaine merino sheep	DM
OVI	Sheep (Ovis aries)	Derbyshire Gritstone sheep breed	DQ
OVI	Sheep (Ovis aries)	Deutsches Blaukoeufiges Fleischschaf sheep breed	DF
OVI	Sheep (Ovis aries)	Devon Closewool sheep breed	DC
OVI	Sheep (Ovis aries)	Devon Longwoolled	DW
OVI	Sheep (Ovis aries)	DLS sheep breed	DL
OVI	Sheep (Ovis aries)	Dorper sheep breed	DO
OVI	Sheep (Ovis aries)	Dorset	DR
OVI	Sheep (Ovis aries)	Dorset Down sheep breed	DD
OVI	Sheep (Ovis aries)	Drysdale sheep breed	DY
OVI	Sheep (Ovis aries)	East Friesian sheep breed	EF
OVI	Sheep (Ovis aries)	Elliottdale sheep breed	EL
OVI	Sheep (Ovis aries)	Est A Laine Merino	EM
OVI	Sheep (Ovis aries)	Exmoor Horn sheep breed	EX
OVI	Sheep (Ovis aries)	Fabrianese sheep breed	FA
OVI	Sheep (Ovis aries)	Faeroes sheep breed	FR
OVI	Sheep (Ovis aries)	Finnish landrace sheep	FN
OVI	Sheep (Ovis aries)	Finnsheep	FS
OVI	Sheep (Ovis aries)	Florida Native	FL
OVI	Sheep (Ovis aries)	Fonthill Merino sheep breed	FT
OVI	Sheep (Ovis aries)	Friesian Milk Sheep breed	FM
OVI	Sheep (Ovis aries)	Galway sheep breed	GY
OVI	Sheep (Ovis aries)	Gansu Alpine Fine-wool sheep breed	GA
OVI	Sheep (Ovis aries)	Gentile di Puglia sheep breed	GP
OVI	Sheep (Ovis aries)	German Blackheaded Mutton sheep breed	GB
OVI	Sheep (Ovis aries)	German Mountain sheep breed	GM
OVI	Sheep (Ovis aries)	German Mutton Merino sheep breed	GX
OVI	Sheep (Ovis aries)	German Whiteheaded Mutton sheep breed	GW
OVI	Sheep (Ovis aries)	Ghezel	GZ

OVI	Sheep (Ovis aries)	Gokceada	GK
OVI	Sheep (Ovis aries)	Gotland	GL
OVI	Sheep (Ovis aries)	Graue Gehoernte Heidschnucke sheep breed	GG
OVI	Sheep (Ovis aries)	Gromark sheep breed	GR
OVI	Sheep (Ovis aries)	Gulf Coast Native sheep breed	GU
OVI	Sheep (Ovis aries)	Gute sheep breed	GS
OVI	Sheep (Ovis aries)	Hampshire sheep breed	HS
OVI	Sheep (Ovis aries)	Han sheep breed	HAN
OVI	Sheep (Ovis aries)	Harnai sheep breed	HI
OVI	Sheep (Ovis aries)	Hasht Nagri sheep breed	HN
OVI	Sheep (Ovis aries)	Hazaragie sheep breed	HZ
OVI	Sheep (Ovis aries)	Hebridean sheep breed	HB
OVI	Sheep (Ovis aries)	Herdwick sheep breed	HA
OVI	Sheep (Ovis aries)	Herik	HW
OVI	Sheep (Ovis aries)	Hill Radnor sheep breed	HR
OVI	Sheep (Ovis aries)	Hog Island Sheep breed	HG
OVI	Sheep (Ovis aries)	Horn dorset	DH
OVI	Sheep (Ovis aries)	Hu	HU
OVI	Sheep (Ovis aries)	Icelandic sheep breed	IL
OVI	Sheep (Ovis aries)	Ile-de-France sheep breed	IF
OVI	Sheep (Ovis aries)	Istrian Pramenka sheep breed	IP
OVI	Sheep (Ovis aries)	Jacob sheep breed	JA
OVI	Sheep (Ovis aries)	Jezerskosolcavska sheep breed	JZ
OVI	Sheep (Ovis aries)	Kachhi sheep breed	KC
OVI	Sheep (Ovis aries)	Kajli sheep breed	KJ
OVI	Sheep (Ovis aries)	Karacabey Merino	KM
OVI	Sheep (Ovis aries)	Karakul sheep	KK
OVI	Sheep (Ovis aries)	Karayaka	KR
OVI	Sheep (Ovis aries)	Katahdin sheep breed	KA
OVI	Sheep (Ovis aries)	Kerry Hill sheep	KH
OVI	Sheep (Ovis aries)	Kivircik	KV
OVI	Sheep (Ovis aries)	Kooka sheep breed	KO
OVI	Sheep (Ovis aries)	Lacaune dairy sheep breed	CU
OVI	Sheep (Ovis aries)	Landais	LD
OVI	Sheep (Ovis aries)	Langhe sheep breed	LG
OVI	Sheep (Ovis aries)	Lati sheep breed	LT
OVI	Sheep (Ovis aries)	Leicester - English	LE
OVI	Sheep (Ovis aries)	Leicester - Hexam	HL
OVI	Sheep (Ovis aries)	Leicester sheep	LS
OVI	Sheep (Ovis aries)	Leineschaf sheep breed	LF
OVI	Sheep (Ovis aries)	Lincoln sheep	LI
OVI	Sheep (Ovis aries)	Llanwenog sheep breed	LW
OVI	Sheep (Ovis aries)	Lleyn sheep breed	LL
OVI	Sheep (Ovis aries)	Lohi sheep breed	LH
OVI	Sheep (Ovis aries)	Lonk sheep breed	LK
OVI	Sheep (Ovis aries)	Louisiana Native	LN
OVI	Sheep (Ovis aries)	Luzein sheep breed	LZ
OVI	Sheep (Ovis aries)	Maltese	MA
OVI	Sheep (Ovis aries)	Manchega	MG
OVI	Sheep (Ovis aries)	Manech	MN
OVI	Sheep (Ovis aries)	Manx Loaghtan sheep breed	MX
OVI	Sheep (Ovis aries)	Masai sheep breed	MI
OVI	Sheep (Ovis aries)	Massese	MZ
OVI	Sheep (Ovis aries)	Medium-Wool Merino sheep breed	MM

OVI	Sheep (Ovis aries)	Mehraban	MH
OVI	Sheep (Ovis aries)	Merinizzata Italiana	MJ
OVI	Sheep (Ovis aries)	Merino sheep superbreed	ME
OVI	Sheep (Ovis aries)	Merinolandschaf sheep breed	MO
OVI	Sheep (Ovis aries)	Miniature Southdown	SM
OVI	Sheep (Ovis aries)	Moghani	MQ
OVI	Sheep (Ovis aries)	Montdale sheep	MT
OVI	Sheep (Ovis aries)	Morada Nova	MV
OVI	Sheep (Ovis aries)	Mouflon sheep	MK
OVI	Sheep (Ovis aries)	Mule Sheep	ML
OVI	Sheep (Ovis aries)	Natural Colored	NT
OVI	Sheep (Ovis aries)	Navajo sheep	NJ
OVI	Sheep (Ovis aries)	Navajo-Churro sheep breed	NA
OVI	Sheep (Ovis aries)	Nellore	NE
OVI	Sheep (Ovis aries)	Newfoundland sheep breed	NL
OVI	Sheep (Ovis aries)	Norfolk Horn sheep breed	NH
OVI	Sheep (Ovis aries)	North County cheviot sheep	NC
OVI	Sheep (Ovis aries)	North Ronaldsay	NR
OVI	Sheep (Ovis aries)	Norwegian Fur sheep breed	NF
OVI	Sheep (Ovis aries)	Olde English Babydoll Southdown	BD
OVI	Sheep (Ovis aries)	Outaouais Arcott sheep breed	OU
OVI	Sheep (Ovis aries)	Oxford Down sheep	OX
OVI	Sheep (Ovis aries)	Panama sheep	PA
OVI	Sheep (Ovis aries)	Perendale sheep	PE
OVI	Sheep (Ovis aries)	Poll Merino sheep breed	MP
OVI	Sheep (Ovis aries)	Polled dorset sheep breed	DP
OVI	Sheep (Ovis aries)	Polypay sheep breed	PO
OVI	Sheep (Ovis aries)	Rambouillet sheep	RG
OVI	Sheep (Ovis aries)	Rideau Arcott sheep breed	RI
OVI	Sheep (Ovis aries)	Romanov sheep	RV
OVI	Sheep (Ovis aries)	Romnelet sheep	RM
OVI	Sheep (Ovis aries)	Romney sheep breed	RY
OVI	Sheep (Ovis aries)	Rouge de l'Quest sheep breed	RO
OVI	Sheep (Ovis aries)	Royal White	RW
OVI	Sheep (Ovis aries)	Ryeland sheep breed	RL
OVI	Sheep (Ovis aries)	Scottish Blackface sheep	SC
OVI	Sheep (Ovis aries)	Sheep - breed not listed	OT
OVI	Sheep (Ovis aries)	Sheep - breed not specified/unknown	NI
OVI	Sheep (Ovis aries)	Shetland sheep breed	SL
OVI	Sheep (Ovis aries)	Shropshire sheep	SR
OVI	Sheep (Ovis aries)	Soay sheep breed	SO
OVI	Sheep (Ovis aries)	South African Mutton Merino sheep breed	SF
OVI	Sheep (Ovis aries)	Southdown sheep	ST
OVI	Sheep (Ovis aries)	St. Croix sheep breed	SX
OVI	Sheep (Ovis aries)	Steigar sheep breed	SG
OVI	Sheep (Ovis aries)	Suffolk sheep	SU
OVI	Sheep (Ovis aries)	Targhee sheep	TA
OVI	Sheep (Ovis aries)	Teeswater sheep breed	TS
OVI	Sheep (Ovis aries)	Texel sheep breed	TX
OVI	Sheep (Ovis aries)	Tunis sheep breed	TU
OVI	Sheep (Ovis aries)	Wensleydale sheep breed	WE
OVI	Sheep (Ovis aries)	White Dorper	WD
OVI	Sheep (Ovis aries)	Wiltshire horn sheep	WH

Swine

POR	Swine (Sus scrofa)	American Landrace pig breed	LA
POR	Swine (Sus scrofa)	American Yorkshire pig breed	YO
POR	Swine (Sus scrofa)	Berkshire pig	BK
POR	Swine (Sus scrofa)	British saddleback pig	BS
POR	Swine (Sus scrofa)	Chester white pig	CW
POR	Swine (Sus scrofa)	Crossbred pig	CB
POR	Swine (Sus scrofa)	Duroc pig	DU
POR	Swine (Sus scrofa)	Eurasian Lineage	EL
POR	Swine (Sus scrofa)	Feral Pig	FP
POR	Swine (Sus scrofa)	Hampshire pig	HA
POR	Swine (Sus scrofa)	Hereford pig	HF
POR	Swine (Sus scrofa)	Lacombe pig	LC
POR	Swine (Sus scrofa)	Large black pig	LB
POR	Swine (Sus scrofa)	Large white pig	LW
POR	Swine (Sus scrofa)	Meishan pig breed	MH
POR	Swine (Sus scrofa)	Minzhu pig breed	MZ
POR	Swine (Sus scrofa)	Pietrain pig	PE
POR	Swine (Sus scrofa)	Pig - breed not on list	OT
POR	Swine (Sus scrofa)	Pig - breed not specified/unknown	XK
POR	Swine (Sus scrofa)	Poland China pig	PC
POR	Swine (Sus scrofa)	Red wattle pig	RW
POR	Swine (Sus scrofa)	Spotted pig	SO
POR	Swine (Sus scrofa)	Sus cebifrons	SC
POR	Swine (Sus scrofa)	Synthetic breed	SB
POR	Swine (Sus scrofa)	Tamworth pig	TM
POR	Swine (Sus scrofa)	Vietnamese Pot-Bellied Pig pig breed	VP
POR	Swine (Sus scrofa)	Wessex saddleback pig	WS

Unknown

Unknown	Unknown	Unknown	ZZ
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Appendix 6: Identification Types

RFID

Metal Tag

Equine Name

Registration Tattoo

Registration Brand

Bangle Tag

Back Tag

Breed Tattoo

Bangs Tattoo

Brand Inspection #

American ID Metal
Tag

Description

Markings

Lip Tattoo

Appendix 7: Identification Standards

Official Identification Numbers - Animals

Official identification numbering systems are fundamental to animal disease programs. Numbers for both individual animals and groups of animals are defined to support methods of official identification for the various species and for meeting production management practices. Official animal identification devices, such as eartags, have an official identification number imprinted on them. Group/lot numbers are associated to the animals through records maintained by individuals responsible for the group throughout the production chain.

Official identification numbers are nationally unique numbers permanently associated with individual animals or groups of animals. Official identification numbers are associated with individual animals or groups of animals through official identification devices or methods. Official identification numbers adhere to one of the following numbering systems:

- National Uniform Eartagging System (NUES)
- Animal identification number (AIN)
- Location-based number system
- Flock-based number system
- Any other numbering system approved by the APHIS Administrator for the official identification of animals

Individual Animal Numbers

Official animal numbering systems provide a way to uniquely identify individual animals. Official identification for certain species is based on identification devices (e.g., official eartags) that have an official animal number imprinted on them. The following table specifies the format for each official numbering system used for individual animals.

Table 1. Individual Animal Identification Numbers

Data Element	Length	Format	Example	Comments
National Uniform Eartagging System (NUES)	9 or 8	Alphanumeric	23 ELV 4574 PA ELV 4574 23 DX 1234 PA DX 1234	
	[2]		23 PA	Default is State or Tribe numeric code. State postal abbreviation is optional.
	[3] or [2]		ELV AB	See official tag specification in Section C, Table 5, for details on the use of the letters in these positions.
	[4]		4574	4 digits in a chronological numerical sequence.
Animal ID number (AIN)	15	Numeric	840003456789012	
	[3]		840	The first 3 digits are the country code (840 = USA). (See note below regarding USA and manufacturer codes.)
	[12]		003456789012	The last 12 digits are the animal number. Start number > 3,000,000,000.
Flock-based number with a herd management number	15 Max.	Alphanumeric	MN0456 4275	
	[9] Max.		MN0456	See flock standard below.
	[6] Max.		4275	Unique herd management number.
Location-based number with a herd management number	14 Max.	Alphanumeric	IA123456 123456	
	[8] Max.		IA123456	See LID and PIN standard below.
	[6] Max.		123456	Unique herd management number.
<p>AINs with the alpha characters USA or the numeric code assigned to the manufacturer's ISO 11784/85-compliant identification device by the International Committee on Animal Recording may be used as alternatives to the 840 prefix until 1 year after the effective date of the final rule, APHIS Docket-2009-0091, "Traceability of Livestock Moving Interstate."</p> <p>Note: AINs beginning with the 840 prefix are recognized for use only on animals born in the United States.</p>				

Animal Group Identification Numbers **Group/Lot Identification Numbers (GINs)**

The use of GINs provides a way to uniquely identify a unit of animals of the same species that is managed as one group throughout the preharvest production chain. The GIN consists of the following:

- One of the location identifiers (premises identification number (PIN) or location identification number (LID)) defined in the following pages
- A six-digit representation of the date on which the group or lot of animals was assembled or date the group was initiated if more than one day (MM/DD/YY)
- Two additional digits, ranging from 01 to 99, for the numbering of different groups or lots of animals assembled on the same premises on the same day. When more than one group of animals is assembled, the groups would be designated consecutively as 01, 02, 03, etc.

Flock Identification Numbers

The National Scrapie Eradication Program furnishes ear tags to sheep and goat producers. The numbering system for these tags combines a nationally unique flock identification number (FIN) with the producer's unique livestock production numbering system. This flock-based numbering system represents an animal group that is associated with one or more locations. The system serves the sheep and goat industries well in their disease control and eradication efforts.

A State or Federal animal health authority assigns the FIN to a group of animals managed as a unit on one or more premises under the same ownership.

The following table specifies the official GINs.

Data Element	Length	Format	Example	Comments
Group/Lot ID Number (GIN) - Using a PIN	15	Alphanumeric	004T56711221105	
	[7]		004T567	The first 7 characters are the PIN.
	[6]		112211	The next 6 characters are the date the lot was established: MMDDYY.
	[2]		05	The last 2 characters are the number (count 01-99) of the group assembled at a premises on the same day. (01 is the default when one group is assembled.)
Group/Lot ID Number (GIN) ¹ - Using a LID	14 or 16	Alphanumeric	WA123411221105 MN12347811221105	
	[6] or [8]		WA1234 MN123478	The first 6 or 8 characters are the location ID number.
	[6]		112211	The next 6 characters are the date the lot was established: MMDDYY.
	[2]		05	The last 2 characters are the number (count 01-99) of the group assembled at a premises on the same day. (01 is the default when one group is assembled.)
Flock Identification Number (FIN)	9 Max	Alphanumeric		
	[2]		PA	State postal abbreviation required as the first two characters.
	Max of [7]		723456A	FINs exclude the letters I, O, or Q from the characters following the State abbreviation.
¹ LIDs may also use the 7-character format. The check digit must be used as prescribed for PINs.				

Location Numbering Systems

States and Tribes may elect to use location identifiers to support their animal disease traceability plan. Two processes, explained below, support the administration of location identifiers that adhere to the standards defined in Table 3. PINs are available through the PIN allocator, a software application tool that APHIS provides to States and Tribes electing to use it. States may also use their own process for administering unique State-issued location identifiers. To avoid confusion in presenting these options in

this document, State-issued location identifiers are referred to as LIDs, and the numbers States and Tribes obtain through the allocator are referred to as PINs (or standardized PINs). States and Tribes may choose to use other terms in their materials.

States and Tribes are not required to provide PINs or LIDs for the administration of their traceability plans. However, if they choose to use location identifiers to administer their traceability activities, following the standards below will ensure that their information systems are compatible with other traceability and animal health databases.

Location Identification Numbers

LIDs are administered through a State’s or Tribe’s internal system. The LID consists of six or eight alphanumeric characters. Seven alphanumeric characters may be used only when the last character is a check digit based on ISO 7064:1983, a standard published by the International Organization for Standardization (ISO). Using the State postal abbreviation as the first two characters ensures LIDs are nationally unique.

Premises Identification Numbers

States and Tribes may elect to use the PIN in their traceability system. The standardized PIN, obtained through the APHIS PIN allocator, consists of seven alphanumeric characters. The last character is a check digit based on ISO 7064:1983. States may use the State’s postal abbreviation as the first two of the seven characters (for example, OH341T4) unless the State is using a seven-character LID. Tribes may also have codes reserved for use with PINs they administer. The codes for Tribes will be assigned upon request. States and Tribes obtaining PINs from the PIN allocator may use either the Standardized Premises Identification System or a Compliant Premises Identification System. The standardized and compliant systems are defined in the Animal Disease Traceability Information Technology technical document.

The LID and PIN data standards are defined in the following table.

Table 3. Location Identifiers				
Data Element	Length	Format	Example	Comments
LID ¹	6	Alphanumeric	MN4321	First 2 characters are the State postal abbreviation.
	8	Alphanumeric	CA654321	First 2 characters are the State postal abbreviation.
PIN	7	Alphanumeric	A123R69	Last character is a check digit. ²

¹ States and Tribes may issue LIDs in the 7-character format only when the ISO 7064:1983 check digit is used as the last character.

² The check digit calculation algorithm is based on ISO 7064:1983, “Data Processing – Check Character Systems.” (See Animal Disease Traceability Technical Standards document.)

Note: To avoid confusion with the numbers 0 and 1, the LID and PIN will not contain the letters O or I except when the letters are contained in the State or Tribal code.

Appendix 8: Gender Codes

Female	F
Male	M
Neutered/Castrated Male	C
Neutered/Spayed female	S
Multiple Genders (Mixed)	X

Appendix 9: Result Interpretation Codes

Positive

Negative

Not Required

Exempt

Appendix 10: Person Type Codes

Origin

Destination

Consignor

Consignee

Carrier

Accredited Veterinarian

Appendix 11: Sample ICVI XML Message

The following is a sample of an XML message that could be used to transmit ICVI data

```
<?xml version="1.0"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
  targetNamespace="http://aphis.usda.gov" xmlns="http://aphis.usda.gov"
  elementFormDefault="qualified">

  <xs:element name="interstate_certificate" type="interstate_certificate_type" />
  <xs:annotation>
    <xs:documentation>
      Data that describes the inspection performed to grant an interstate movement
      certificate
    </xs:documentation>
  </xs:annotation>

  <xs:complexType name="interstate_certificate_type">
    <xs:sequence>
      <xs:element ref="certificate_number" minOccurs="1" maxOccurs="1" />
      <xs:element ref="purpose_for_inspection" minOccurs="1" maxOccurs="1" />
      <xs:element ref="days_certificate_is_valid_for" minOccurs="1" maxOccurs="1" />
      <xs:element ref="current_state_or_area_status" minOccurs="0" maxOccurs="1" />
      <xs:element ref="species" minOccurs="1" maxOccurs="1" />
      <xs:element ref="number_of_animals_on_the_icvi" minOccurs="1" maxOccurs="1" />
      <xs:element ref="flock_or_herd_status" minOccurs="0" maxOccurs="1" />
      <xs:element ref="flock_or_herd_number" minOccurs="0" maxOccurs="1" />
      <xs:element ref="mode_of_transportation" minOccurs="0" maxOccurs="1" />
      <xs:element ref="estimated_shipping_date" minOccurs="0" maxOccurs="1" />
      <xs:element ref="veterinary_accreditation_num" minOccurs="1" maxOccurs="1" />
      <xs:element ref="veterinary_signature_date" minOccurs="1" maxOccurs="1" />
      <xs:element ref="inspection_date" minOccurs="1" maxOccurs="1" />
      <xs:element ref="permit_number" minOccurs="0" maxOccurs="1" />
      <xs:element ref="remarks" minOccurs="0" maxOccurs="1" />
      <xs:element ref="origin" minOccurs="1" maxOccurs="1" />
      <xs:element ref="destination" minOccurs="1" maxOccurs="1" />
      <xs:element ref="consignor" minOccurs="1" maxOccurs="1" />
      <xs:element ref="consignee" minOccurs="1" maxOccurs="1" />
      <xs:element ref="carrier" minOccurs="0" maxOccurs="1" />
      <xs:element ref="accredited_veterinarian" minOccurs="0" maxOccurs="1" />
      <xs:element name="animal" minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>
            Data that describes an individual animal or group of animals.
          </xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

```

```

<xs:sequence>
  <xs:element ref="animal_identification"  minOccurs="1" maxOccurs="unbounded"/>
  <xs:element ref="breed"                 minOccurs="0" maxOccurs="1" />
  <xs:element ref="breed_description"     minOccurs="0" maxOccurs="1" />
  <xs:element ref="age"                   minOccurs="0" maxOccurs="1" />
  <xs:element ref="age_unit"              minOccurs="0" maxOccurs="1" />
  <xs:element ref="age_description"       minOccurs="0" maxOccurs="1" />
  <xs:element ref="gender"                minOccurs="0" maxOccurs="1" />
  <xs:element name="test_result"          minOccurs="0" maxOccurs="unbounded">
    <xs:annotation>
      <xs:documentation>
        Data that describe results from tests performed on samples or
        observational data collected during the generation of an ICVI.
      </xs:documentation>
    </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="disease"             minOccurs="0" maxOccurs="1" />
      <xs:element ref="test_type"          minOccurs="0" maxOccurs="1" />
      <xs:element ref="test_date"          minOccurs="0" maxOccurs="1" />
      <xs:element ref="laboratory_name"    minOccurs="0" maxOccurs="1" />
      <xs:element ref="laboratory_accession_number" minOccurs="0"
        maxOccurs="1" />
      <xs:element ref="test_result_date"   minOccurs="0" maxOccurs="1" />
      <xs:element ref="test_result"        minOccurs="0" maxOccurs="1" />
      <xs:element ref="date_of_vaccination_or_treatment" minOccurs="0"
        maxOccurs="1" />
      <xs:element ref="product"            minOccurs="0" maxOccurs="1" />
      <xs:element ref="reason"              minOccurs="0" maxOccurs="1" />
    </xs:sequence>
  </xs:complexType>
</xs:element> <!-- closing element name="test_result" -->
</xs:sequence>
</xs:complexType>
</xs:element> <!-- closing element name="animal" -->
</xs:sequence>
</xs:complexType>

```

```

<!-- REFERENCED DATA TYPES -->

```

```

<xs:element name="origin" type="person_type" >
</xs:element>
<xs:element name="destination" type="person_type" >
</xs:element>
<xs:element name="consignor" type="person_type" >
</xs:element>
<xs:element name="consignee" type="person_type" >
</xs:element>

```

```

<xs:element name="carrier" type="person_type" >
</xs:element>
<xs:element name="accredited_veterinarian" type="person_type" >
</xs:element>

<xs:complexType name="person_type">
  <xs:sequence>
    <xs:annotation>
      <xs:documentation>
        Data that describe the attributes of any person directly or indirectly related
        to the generation of an ICVI.
      </xs:documentation>
    </xs:annotation>
    <xs:element ref="last_name" minOccurs="1" maxOccurs="1" />
    <xs:element ref="first_name" minOccurs="1" maxOccurs="1" />
    <xs:element ref="business_name" minOccurs="0" maxOccurs="1" />
    <xs:element ref="phone" minOccurs="0" maxOccurs="1" />
    <xs:element ref="fax_number" minOccurs="0" maxOccurs="1" />
    <xs:element ref="premises_id" minOccurs="0" maxOccurs="1" />
    <xs:element ref="address_1" minOccurs="1" maxOccurs="1" />
    <xs:element ref="address_2" minOccurs="1" maxOccurs="1" />
    <xs:element ref="city" minOccurs="1" maxOccurs="1" />
    <xs:element ref="state" minOccurs="1" maxOccurs="1" />
    <xs:element ref="county" minOccurs="1" maxOccurs="1" />
    <xs:element ref="zip_code" minOccurs="1" maxOccurs="1" />
    <xs:element ref="email_address" minOccurs="0" maxOccurs="1" />
    <xs:element ref="person_type" minOccurs="0" maxOccurs="1" />
    <xs:element ref="prefix" minOccurs="0" maxOccurs="1" />
    <xs:element ref="state_county_fips_code" minOccurs="0" maxOccurs="1" />
    <xs:element ref="city_fips_code" minOccurs="0" maxOccurs="1" />
    <xs:element ref="suffix" minOccurs="0" maxOccurs="1" />
  </xs:sequence>
</xs:complexType>

<xs:element name="certificate_number">
  <xs:annotation>
    <xs:documentation>
      Information specific to an ICVI certificate.
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="100" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>

<xs:element name="purpose_for_inspection">

```

```

<xs:annotation>
  <xs:documentation>
    The trigger for the event or reason event is recorded
    (see appendix)
  </xs:documentation>
</xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:string">
    <xs:maxLength value="100" />
  </xs:restriction>
</xs:simpleType>
</xs:element>

<xs:element name="days_certificate_is_valid_for" type="xs:int" >
  <xs:annotation>
    <xs:documentation>
      Number of days that the certificate is valid for. ie; 15, 30, etc
    </xs:documentation>
  </xs:annotation>
</xs:element>

<xs:element name="current_state_or_area_status" >
  <xs:annotation>
    <xs:documentation>
      Status of the origin area (e.g., Accredited Free of Tuberculosis)
      See Appendix Area Status Codes
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="100" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>

<xs:element name="species">
  <xs:annotation>
    <xs:documentation>
      Species associated with the event
      See Appendix Species Codes
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>

```

```
<xs:element name="number_of_animals_on_the_icvi" type="xs:int" >
  <xs:annotation>
    <xs:documentation>
      The number of animals covered by this ICVI ie; 1,10,200, etc
    </xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:element name="flock_or_herd_status">
  <xs:annotation>
    <xs:documentation>
      Status of the premises (e.g., quarantine, certified, exposed)
      See Appendix Premises Status Codes
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="flock_or_herd_number">
  <xs:annotation>
    <xs:documentation>
      A unique identifier for the premises assigned by the State of Origin for
      herds/flocks with disease program status
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="mode_of_transportation">
  <xs:annotation>
    <xs:documentation>
      ie; Truck, Air, etc
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="100" />
    </xs:restriction>
  </xs:simpleType>
```

```
</xs:element>
```

```
<xs:element name="estimated_shipping_date" type="xs:date" >  
  <xs:annotation>  
    <xs:documentation>  
      Proposed Date of animal movement See Date/Time data concept  
    </xs:documentation>  
  </xs:annotation>  
</xs:element>
```

```
<xs:element name="veterinary_accreditation_num">  
  <xs:annotation>  
    <xs:documentation>  
      The six-digit number issued to the Accredited Veterinarian enrolled in the  
      National Veterinary Accreditation Program ie; 000001, 123456  
    </xs:documentation>  
  </xs:annotation>  
  <xs:simpleType>  
    <xs:restriction base="xs:string">  
      <xs:maxLength value="6" />  
    </xs:restriction>  
  </xs:simpleType>  
</xs:element>
```

```
<xs:element name="veterinary_signature_date" type="xs:date" >  
  <xs:annotation>  
    <xs:documentation>  
      Date which Accredited Veterinarian generated the ICVI See Date/Time data concept  
    </xs:documentation>  
  </xs:annotation>  
</xs:element>
```

```
<xs:element name="permit_number" >  
  <xs:annotation>  
    <xs:documentation>  
      Identifier generated by the State of Destination that corresponds to an animal  
      import permit issued to the animal(s) associated with the ICVI ie; A12345  
    </xs:documentation>  
  </xs:annotation>  
  <xs:simpleType>  
    <xs:restriction base="xs:string">  
      <xs:maxLength value="50" />  
    </xs:restriction>  
  </xs:simpleType>  
</xs:element>
```

```
<xs:element name="inspection_date" type="xs:date" >  
  <xs:annotation>
```

```
<xs:documentation>
  Date the animal or group of animals were inspected for the purposes of generating
  the ICVI See Date/Time data concept
</xs:documentation>
</xs:annotation>
</xs:element>
```

```
<xs:element name="remarks" >
  <xs:annotation>
    <xs:documentation>
      Remarks attached to the ICVI, such as exemptions claimed
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="4000" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="animal_identification">
  <xs:annotation>
    <xs:documentation>
      Type of animal identification methods (e.g. tag type)
      See Appendix Identification Types
    </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
```

```
    <xs:element name="group_identification_number" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>
          Group identification number
        </xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:string">
          <xs:maxLength value="50" />
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
```

```
    <xs:element name="animal_identification_type" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>
          Animal identification device
        </xs:documentation>
```

```

    </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>

<xs:element name="animal_identification_value" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>
      Value on animal identification
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

<xs:element name="breed">
  <xs:annotation>
    <xs:documentation>
      Breed of the subject See Appendix Breed Codes
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="2" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>

<xs:element name="breed_description">
  <xs:annotation>
    <xs:documentation>
      Description of the breed or color of the animal or the type of cross-breed of
      animal ie; BWF (black white face)
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50" />
    </xs:restriction>

```



```
</xs:simpleType>
</xs:element>
```

```
<xs:element name="age" type="xs:int" >
  <xs:annotation>
    <xs:documentation>
      Numeric value of the subjects age, usually in months or years Single ie; 5
    </xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:element name="age_unit">
  <xs:annotation>
    <xs:documentation>
      Unit of measure for age, usually indicates month or year
      ie; YR, MO 1, 2
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="1" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="age_description">
  <xs:annotation>
    <xs:documentation>
      Description of the age of the animal based on dentition or a common term other
      than year or month ie; Broken mouth, Adult
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="gender">
  <xs:annotation>
    <xs:documentation>
      Gender of the subject See Appendix Gender Codes
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="1" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
</xs:restriction>
</xs:simpleType>
</xs:element>
```

```
<xs:element name="disease">
  <xs:annotation>
    <xs:documentation>
      Name of disease ie; Brucellosis, TB, other
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="test_type">
  <xs:annotation>
    <xs:documentation>
      Type of test performed or test name ie; Coggins test
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="test_date" type="xs:date" >
  <xs:annotation>
    <xs:documentation>
      Date test was conducted See Date/Time data concept
    </xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:element name="laboratory_name">
  <xs:annotation>
    <xs:documentation>
      Name of laboratory where the sample was sent ie; NVSL, Cornell
      University, etc...
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
</xs:restriction>  
</xs:simpleType>  
</xs:element>
```

```
<xs:element name="laboratory_accession_number">  
  <xs:annotation>  
    <xs:documentation>  
      Identifier used to uniquely identify individual samples; ie; A12345  
    </xs:documentation>  
  </xs:annotation>  
  <xs:simpleType>  
    <xs:restriction base="xs:string">  
      <xs:maxLength value="50" />  
    </xs:restriction>  
  </xs:simpleType>  
</xs:element>
```

```
<xs:element name="test_result_date" type="xs:date" >  
  <xs:annotation>  
    <xs:documentation>  
      Date the sample results were reported See Date/Time data concept  
    </xs:documentation>  
  </xs:annotation>  
</xs:element>
```

```
<xs:element name="test_result">  
  <xs:annotation>  
    <xs:documentation>  
      A qualitative judgment regarding the test outcome See Appendix  
      Result Interpretation Codes or positive, suspect, negative  
    </xs:documentation>  
  </xs:annotation>  
  <xs:simpleType>  
    <xs:restriction base="xs:string">  
      <xs:maxLength value="20" />  
    </xs:restriction>  
  </xs:simpleType>  
</xs:element>
```

```
<xs:element name="date_of_vaccination_or_treatment" type="xs:date" >  
  <xs:annotation>  
    <xs:documentation>  
      Date the animal(s) was (were) vaccinated or treated with a specific medication.  
      See Date/Time data concept  
    </xs:documentation>  
  </xs:annotation>  
</xs:element>
```

```
<xs:element name="product">
  <xs:annotation>
    <xs:documentation>
      Product the animal(s) was (were) vaccinated with or treated with a specific
      medication.
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="reason">
  <xs:annotation>
    <xs:documentation>
      Reason for vaccination or treatment with a specific medication
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="last_name" type="name_type" >
  <xs:annotation>
    <xs:documentation>
      Persons last name; should be in a separate field from the first name
      upper, no spaces Smith
    </xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:element name="first_name" type="name_type" >
  <xs:annotation>
    <xs:documentation>
      Persons first name; should be in a separate field from the last name
      upper ie; John or John Jacob
    </xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:element name="business_name" type="name_type" >
  <xs:annotation>
    <xs:documentation>
```

Agency name or professional affiliation; names or acronyms/codes must be uniform throughout a database so that one agency is not indicated by multiple names or acronyms ie; APHIS

```
</xs:documentation>  
</xs:annotation>  
</xs:element>
```

```
<xs:simpleType name="name_type">  
  <xs:restriction base="xs:string">  
    <xs:maxLength value="50" />  
  </xs:restriction>  
</xs:simpleType>
```

```
<xs:element name="phone" type="phone_type" >  
  <xs:annotation>  
    <xs:documentation>  
      number(s)(may require multiple fields) Area code plus 7-digit number  
      Number, xxx-xxx-xxxx  
    </xs:documentation>  
  </xs:annotation>  
</xs:element>
```

```
<xs:element name="fax_number" type="phone_type">  
  <xs:annotation>  
    <xs:documentation>  
      Area code plus 7-digit number Number, xxx-xxx-xxxx  
    </xs:documentation>  
  </xs:annotation>  
</xs:element>
```

```
<xs:simpleType name="phone_type">  
  <xs:restriction base="xs:string">  
    <xs:maxLength value="20" />  
  </xs:restriction>  
</xs:simpleType>
```

```
<xs:element name="premises_id">  
  <xs:annotation>  
    <xs:documentation>  
      The unique identifier for the premises Premises identification numbers should be  
      assigned using the National Animal Identification System (alpha-numeric 7,  
      random, character 7 is a check value) ie; 002FVPL  
    </xs:documentation>  
  </xs:annotation>  
  <xs:simpleType>  
    <xs:restriction base="xs:string">  
      <xs:maxLength value="20" />  
    </xs:restriction>
```

```
</xs:simpleType>
</xs:element>
```

```
<xs:element name="address_1" type="address_type" >
  <xs:annotation>
    <xs:documentation>
      Physical address of the location Use postal service standards
        ie; 17454 Roller Coaster Rd
    </xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:element name="address_2" type="address_type" >
  <xs:annotation>
    <xs:documentation>
      Remainder of physical address of the location Use postal service standards
        ie; Suite 200, etc...
    </xs:documentation>
  </xs:annotation>
</xs:element>
```

```
<xs:simpleType name="address_type">
  <xs:restriction base="xs:string">
    <xs:maxLength value="50" />
  </xs:restriction>
</xs:simpleType>
```

```
<xs:element name="city">
  <xs:annotation>
    <xs:documentation>
      Postal service City name
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="state">
  <xs:annotation>
    <xs:documentation>
      Two-character state abbreviation Use postal service standards
        ie; AK, CO, NY
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
```

```
<xs:restriction base="xs:string">
  <xs:maxLength value="2" />
</xs:restriction>
</xs:simpleType>
</xs:element>
```

```
<xs:element name="county">
  <xs:annotation>
    <xs:documentation>
      County name ie; Erie
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="50" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="zip_code">
  <xs:annotation>
    <xs:documentation>
      U.S. Postal Service 5-digit mail delivery area. ie; 80132
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="5" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="email_address">
  <xs:annotation>
    <xs:documentation>
      Person's e-mail address with no spaces ie; person@agency.gov
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="100" />
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

```
<xs:element name="person_type">
  <xs:annotation>
    <xs:documentation>
```

```

    The person's role as it relates to the ICVI
    ie; Origin, Destination, Consignor, Consignee, Carrier, Accredited Veterinarian
  </xs:documentation>
</xs:annotation>
<xs:simpleType>
  <xs:restriction base="xs:string">
    <xs:maxLength value="16" />
  </xs:restriction>
</xs:simpleType>
</xs:element>

```

```

<xs:element name="prefix" type="name_part_type" >
  <xs:annotation>
    <xs:documentation>
      Prefix to a persons name ie; Dr., Mrs.
    </xs:documentation>
  </xs:annotation>
</xs:element>

```

```

<xs:element name="suffix" type="name_part_type">
  <xs:annotation>
    <xs:documentation>
      Suffix to a persons name ie; Jr., Sr.
    </xs:documentation>
  </xs:annotation>
</xs:element>

```

```

<xs:simpleType name="name_part_type">
  <xs:restriction base="xs:string">
    <xs:maxLength value="10" />
  </xs:restriction>
</xs:simpleType>

```

```

<xs:element name="state_county_fips_code" type="fips_code_type">
  <xs:annotation>
    <xs:documentation>
      State/County Federal Information Processing Standard Code String
      ie; 08041
    </xs:documentation>
  </xs:annotation>
</xs:element>

```

```

<xs:element name="city_fips_code" type="fips_code_type">
  <xs:annotation>
    <xs:documentation>
      Metropolitan Areas Federal Information Processing Standard Code String ie; CO322
    </xs:documentation>
  </xs:annotation>

```



```
</xs:element>

<xs:simpleType name="fips_code_type">
  <xs:restriction base="xs:string">
    <xs:maxLength value="5" />
  </xs:restriction>
</xs:simpleType>

</xs:schema>
```