Parent Class	Field	Ontology Identifier	Definition	Guidance	Examples	Deprecated Label Deprecated ID	Version Tracking		
	Colour Code Legend					IMPORTANT: Only labels and/or IDs will be deprecated, always with replacement version	Label	ID	Description/Gui dance
	field name in yellow = required					provided. If a term changes in its meaning, a new term will be created.			
	field name in purple = recommended field name in white = optional								
	Database Identifiers	GENEPIO:0001122							
		03.15.0		Store the collector sample ID. If this number is considered identifiable information, provide an alternative ID. Be sure to store the key that maps between the original and alternative IDs for traceability and follow up if necessary. Every collector sample ID from a single submitter must be unique. It can have any format, but we					
Database identifiers	specimen_collector_sample_ID	GENEPIO:0001123	The user-defined name for the sample.	suggest that you make it concise, unique and consistent within your lab.	ASDFG123		1.0.0	1.0.0	1.0.0
Database identifiers	specimen_collector_subsample_ID	GENEPIO:0100752	The user-defined identifier assigned to a portion of the original sample.	Store the ID for the subsample/aliquot.	ASDFG123 12	,	1.0.0	1.0.0	1.0.0
Database identifies	opeoinon_concotor_concotnpic_ic	GENET 10:0100102	The deer defined designed to a portion of the original earlipse.	If the sample being analyzed is the result of	71001 0120_11		1.0.0	1.0.0	1.0.0
			The user-defined identifier assigned to a combined (pooled) set of	pooling individual samples, rename the pooled sample with a new identifier. Store the pooled					
Database identifiers	pooled_sample_ID	GENEPIO:0100996	samples.	sample ID. Store the ID for the site from which a sample	12345AYZ		1.0.0	1.0.0	1.0.0
			The user-defined identifier assigned to a specific location from which	was taken. The "site" is user defined (e.g. it may be a building and its environs, a specific entity within an environment). Please use the same site ID for all samples from a given site, regardless of when these samples were taken. Any important changes in site location, should					
Database identifiers	sampling_site_ID	GENEPIO:0100760	samples are taken.	be represented with a new site ID. Store the ID for the event during which a sample	Site 12A		1.0.0	1.0.0	1.0.0
Database identifiers	sampling_event_ID	GENEPIO:0100761	The user-defined identifier assigned to a specific event during which one or more samples are taken, from one or more sites.	or samples were taken. For example, an event could be one person taking samples from multiple sites, or multiple people taking samples from one site.	Event 120522.	1	1.0.0	1.0.0	1.0.0
Database identifiers	BioProject_accession	GENEPIO:0001136	The INSDC (i.e., ENA, NCBI, or DDBJ) accession number of the BioProject(s) to which the BioSample belongs.	Store the BioProject accession number BioProjects are an organizing bot that links together raw sequence data, assemblies, and their associated metadata. Each province will be assigned a different bioproject accession number by the National Microbiology Lab. A wild NCBI BioProject accession has prefix PRJN e.g., PRJNA12345, and is created once at the beginning of a new sequencing project.			1.0.0	1.0.0	1.0.0
Database identifiers	BioSample_accession	GENEPIO:0001139	The identifier assigned to a BioSample in INSDC (i.e., ENA, NCBI, or DDBJ) archives.	Store the accession returned from the BioSample submission. NCBI BioSamples will have the prefix SAMN, ENA have the prefix SAMEA. DDBJ have SAMD	SAMN1418020 2, SAMD00000000		1.0.0	1.0.0	1.0.0
Database identifies	Sicoumpio_decession	GENERIO GOVINGO	SSSS AND	or unest, obbo have or unb			1.0.0	1.0.0	1.0.0
			The versioned identifier assigned to an assembly or consensus	Store the versioned GenBank accession					
Database identifiers	GenBank_accession_(versioned)	GENEPIO:0100754	sequence in GenBank archives.	assigned to the submitted sequence.	LZ986655.1		1.0.0	1.0.0	1.0.0
Database identifiers	SRA_accession	GENEPIO:0001142	The Sequence Read Archive (SRA) identifier linking raw read data, methodological metadata and quality control metrics submitted to the INSDC.	Store the accession assigned to the submitted sequence. NCBI-SRA accessions start with SRR.	SRR11177792		1.0.0	1.0.0	1.0.0
Database identifiers	ENA_accession	GENEPIO:0100755	The identifier assigned to a sequence in the European Nucleotide Archive (ENA).	Store the accession assigned to the submitted sequence. ENA sequence accessions start with ERR.	ERR123456		1.0.0	1.0.0	1.0.0
Database identifiers	DRA_accession	GENEPIO:0100757	The identifier assigned to a sequence in DNA Data Bank of Japan (DDBJ) sequence read archives.	Store the accession assigned to the submitted sequence. DRA accessions start with DRR.	DRR123456		1.0.0	1.0.0	1.0.0
	Sample collection and processing	GENEPIO:0001150							
	Sample collection and processing	GENEPIO:0001150	The name of the individual responsible for the data governance,	Provide the name of the sample collection data					
Sample collection and processing	sample_collection_data_steward_name	GENEPIO:0100762	(meta)data usage and distribution of the sample.	steward.	Joe Bloggs		1.0.0	1.0.0	1.0.0
			The email address of the individual responsible for the data	Provide the email address of the sample collection data steward. This may or may not be the same individual/organization that collected the sample. If the contact is the same, provide the same address as the "sample collector"	bloggsj@aglab				
Sample collection and processing	sample_collection_data_steward_contact_email	GENEPIO:0101107	governance, (meta)data usage and distribution of the sample.	contact email".	ca		1.0.0	1.0.0	1.0.0

Parent Class	Field	Ontology Identifier	Definition	Guidance	Examples	Deprecated Label Deprecated ID	Version Tracking		
Sample collection and processing	sample_collected_by	GENEPIO:0001153	The name of the organization with which the sample collector is affiliated.	The name of the agency should be written out in full, (with minor exceptions) and be consistent across multiple submissions.			1.0.0	1.0.0	1.0.0
Sample collection and processing	sample_collector_contact_email	GENEPIO:0001156	The email address of the contact responsible for follow-up regarding the sample.	The email address can represent a specific individual or lab e.g. johnnyblogs@lab.ca, or Respl.ab@lab.ca	WaterTester@f acility.ca		1.0.0	1.0.0	1.0.0
Sample collection and processing	geo_loc_name_(country)	GENEPIO:0001181	The country of origin of the sample.	If known, select a value from the pick list. Provide the state/province/territory name from the GAZ geography ontology. Search for	Canada		1.0.0	1.0.0	1.0.0
Sample collection and processing	geo_loc_name_(state/province/territory)	GENEPIO:0001185	The state/province/territory of origin of the sample.	geography terms here: https://www.ebi.ac.uk/ols/ontologies/ga	Western Cape		1.0.0	1.0.0	1.0.0
Sample collection and processing	geo_loc_name_(county/region)	GENEPIO:0100280	The county/region of origin of the sample.	Provide the county/region name from the GAZ geography ontology. Search for geography terms here: https://www.ebi.ac.uk/ols/ontologies/gaz	Derbyshire		1.0.0	1.0.0	1.0.0
Sample collection and processing	geo_loc_name_(city)	GENEPIO:0001189	The city of origin of the sample.	Provide the city name from the GAZ geography ontology. Search for geography terms here: https://www.ebi.ac.uk/ols/ontologies/gaz	Vancouver		1.0.0	1.0.0	1.0.0
Sample collection and processing	geo_loc_name_(site)	GENEPIO:0100436	The name of a specific geographical location e.g. Credit River (rather than river).	Provide the name of the specific geographical site using a specific noun (a word that names a certain place, thing).	Credit River		1.0.0	1.0.0	1.0.0
Sample collection and processing	geo loc latitude	GENEPIO:0100309	The latitude coordinates of the geographical location of sample collection.	Provide latitude coordinates if available. Do not use the centre of the city/region/province/state/country or the location of your agency as a proxy, as this implicates a real location and is misleading. Specify as degrees latitude in format "fd[d.dddd] NJS".	38.98 N		1.0.0	100	100
Sample collection and processing	geo_io_autule	GENEFIO.0100309	The longitude coordinates of the geographical location of sample	Provide longitude coordinates if available. Do not use the centre of the city/region/province/state/country or the location of your agency as a proxy, as this implicates a real location and is misleading. Specify as			1.0.0	1.0.0	1.0.0
Sample collection and processing	geo_loc_longitude	GENEPIO:0100310	collection.	Provide the official nomenclature for the organism(s) present in the sample. Multiple organisms can be entered, separated by semicolons. Avoid abbreviations. Search for taxonomic names here:	77.11 W		1.0.0	1.0.0	1.0.0
Sample collection and processing	organism	GENEPIO:0001191	Taxonomic name of the organism.	ncbi.nlm.nih.gov/taxonomy.	Vibrio cholerae		1.0.0	1.0.0	1.0.0
Sample collection and processing	influenza_subtype	GENEPIO:0101108					1.0.0	1.0.0	1.0.0
Sample collection and processing	influenza_subtyping_scheme_name	GENEPIO:0101109					1.0.0	1.0.0	1.0.0
Sample collection and processing	taxonomic_identification_process	GENEPIO:0100583					1.0.0	1.0.0	1.0.0
Sample collection and processing	virus_identifier	GENEPIO:0101110					1.0.0	1.0.0	1.0.0
Sample collection and processing	WHO/OIE/FAO_H5_clade	GENEPIO:0101111		If your sample is a continuous sample please			1.0.0	1.0.0	1.0.0
			The date on which the sample was collected, or sampling began for a	if your sample is a continuous sample please use this field to capture your start date. Sample collection date is critical for surveillance and many types of analyses. Required granularity includes year, month and day. The date should be provided in ISO 8601 standard format					
Sample collection and processing	sample_collection_date	GENEPIO:0001174	continuous sample.	"YYYY-MM-DD". Provide the sample received date in ISO 8601	2020-03-16		1.0.0	1.0.0	1.0.0
Sample collection and processing	sample received date	GENEPIO:0001179	The date on which the sample was received.	format, i.e. "YYYY-MM-DD". Provide the sample processed date in ISO 8601	2020-03-28		1.0.0	1.0.0	1.0.0
Sample collection and processing	sample processing date	GENEPIO:0100763	The date on which the sample was processed.	format, i.e. "YYYY-MM-DD". The sample may be collected and processed (e.g. filtered, extraction) on the same day, or on different dates.			1.0.0	1.0.0	1.0.0

		Ontology				Depresented Lebel	Depresented ID	Version		
Parent Class	Field	Ontology Identifier	Definition	Guidance	Examples	Deprecated Label	Deprecated ID	Tracking		
Sample collection and processing	host_origin_geo_loc_name (country)	GENEPIO:0100438	The country of origin of the host.	If a sample is from a human or animal host that originated from outside of Canada, provide the the name of the country where the host originated by selecting a value from the template pick list. If the information is unknown or cannot be provided, leave blank or provide a null value.	[GAZ:0000109			1.0.0	1.0.0	1.0.0
Sample collection and processing	anatomical_material	GENEPIO:0001211	A substance obtained from an anatomical part of an organism e.g. tissue, blood.	An anatomical material is a substance taken from the body. If applicable, select the standardized term and ontology ID for the anatomical material from the picklist provided. Multiple values can be provided, separated by a semi-colon.	Tissue [UBERON:000 0479]; Blood [UBERON:000 0178]			1.0.0	1.0.0	1.0.0
Sample collection and processing	body_product	GENEPIO:0001216	A substance excreted/secreted from an organism e.g. feces, urine, sweat.	A body product is a substance produced by the body but meant to be excreted/secreted (i.e. not part of the body). If applicable, select the standardized term and onlology ID for the body product from the picklist provided. Multiple values can be provided, separated by a semi-colon.	Feces [UBERON:000 1988]; Urine [UBERON:000 1088]			1.0.0	1.0.0	1.0.0
Sample collection and processing	anatomical part	GENEPIO:0001214	An anatomical part of an organism e.g. oropharynx.	An anatomical part is a structure or location in the body. If applicable, select the standardized term and ontology ID for the anatomical material from the picklist provided. Multiple values can be provided, separated by a semi-colon.				1.0.0	1.0.0	1.0.0
Sample collection and processing	collection device	GENEPIO:0001234	The instrument or container used to collect the sample e.g. swab.	This field includes animal feed. If applicable, select the standardized term and ontology ID for the anatomical material from the picklist provided. Multiple values can be provided, separated by a semi-colon.	Drag swab [OBI:0002822]			1.0.0	1.0.0	1.0.0
Sample collection and processing	collection_method	GENEPIO:0001241	The process used to collect the sample e.g. philebotomy, necropsy.	If applicable, provide the standardized term and ontology ID for the anatomical material from the picklist provided. Multiple values can be provided, separated by a semi-colon.	Rinsing for specimen collection [GENEPIO_00 02116]			1.0.0	1.0.0	1.0.0
Sample collection and processing	sample_volume_measurement_value	GENEPIO:0100768	The numerical value of the volume measurement of the sample collected.	Provide the numerical value of volume.	5			1.0.0	1.0.0	1.0.0
Sample collection and processing	sample_volume_measurement_unit	GENEPIO:0100769	The units of the volume measurement of the sample collected.	Provide the units from the pick list.	milliliter (mL) [UO:0000098] No residual			1.0.0	1.0.0	1.0.0
Sample collection and processing	residual_sample_status	GENEPIO:0101090	The status of the residual sample (whether any sample remains after its original use).	Residual samples are samples that remain after the sample material was used for its original purpose. Select a residual sample satus from s the picklist. If sample still exists, select "Residual sample remaining (some sample left)".	sample (sample all used)			1.0.0	1.0.0	1.0.0
County and add an and an analysis		CENTEDIO 2004400	The course that the course course collected	The reason a sample was collected may provide information about potential biases in sampling strategy. Provide the purpose of sampling from the picklist in the template. Most likely, the sample was collected for Public health surveillance. The reason why a sample was originally collected may differ from the reason why it was selected for sequencing, which should be indicated in the "purpose of	Public health			100	100	100
Sample collection and processing	purpose_of_sampling	GENEPIO:0001198	The reason that the sample was collected.	sequencing" field. If there was an activity that would affect the	surveillance			1.0.0	1.0.0	1.0.0
Sample collection and processing	presampling activity	GENEPIO:0100433	The activities or variables upstream of sample collection that may affect the sample.	sample prior to collection (this is different than sample processing), provide the activities by selecting one or more values from the template				1.0.0	1.0.0	1.0.0
			·		Agricultural waste from large farm contributes					
Sample collection and processing	presampling_activity_details	GENEPIO:0100434	The details of the activities or variables that affected the sample collected.	Briefly describe the presampling activities using free text.	waste to the site sampled.			1.0.0	1.0.0	1.0.0

		Ontology			Deprecated Label	Deprecated ID	Version		
Parent Class	Field	Identifier	Definition	Guidance	Examples	Deprecated ID	Tracking		
Sample collection and processing	sample_storage_method	GENEPIO:0100448	The process used to store the sample.	Provide details of how the sample was stored from time of collection until time of processing. If there were issues with the cold chain storage, note those here.	The sample was placed in a tube in a cooler bag during transportation (~3 hours) to the lab site. At this point the sample was placed in storage medium and put in a -10C freezer until it was processed and extracted 5 days later.		1.0.0	1.0.0	1.0.0
Sample collection and processing	sample_storage_medium	GENEPIO:0100449	The medium in which a sample is stored.	Provide the name of the transport medium or storage medium used for this sample. If none was used, leave blank or write "None".	Cary-Blair transport medium		1.0.0	1.0.0	1.0.0
cample collection and processing	sample_storage_medium	GENET 10.0100443	The median in which a sample is stored.	was used, leave blank of write 14016.	modulii		1.0.0	1.0.0	1.0.0
Sample collection and processing	sample_storage_duration_value	GENEPIO:0101014	The numerical value of the time measurement during which a sample is in storage.	Provide the numerical value of time.	5		1.0.0	1.0.0	1.0.0
Sample collection and processing	sample_storage_duration_unit	GENEPIO:0101015	The units of a measured sample storage duration.	Provide the units from the pick list.	Day		1.0.0	1.0.0	1.0.0
Sample collection and processing	specimen_processing	GENEPIO:0001253	Any processing applied to the sample during or after receiving the sample.	Select processes from the picklist that were applied to this sample.	Centrifugation		1.0.0	1.0.0	1.0.0
Sample collection and processing	specimen_processing_details	GENEPIO:0100311	The details of the processing applied to the sample during or after receiving the sample.	Briefly describe the processes applied to the sample.	25 samples were pooled and further prepared as a single sample during library prep.		1.0.0	1.0.0	1.0.0
Sample collection and processing	experimental_protocol	GENEPIO:0101029	The name of the overarching experimental methodology that was used to process the biomaterial.	Provide the name of the methodology used in your study. If available, provide a link to the protocol.			1.0.0	1.0.0	1.0.0
				Samples can play different types of roles in experiments. A sample under study in one experiment may act as a control or be a replicate of another sample in another experiment. This field is used to distinguish samples under study from controls, replicates, etc. If the sample acted as an experimental control or a replicate, select a role type from the picklist. If the sample was not a control, leave blank or select 'Not	Positive experimental				
Sample collection and processing	experimental_specimen_role_type	GENEPIO:0100921	The type of role that the sample represents in the experiment.	Applicable".	control		1.0.0	1.0.0	1.0.0
Sample collection and processing	experimental_specimen_details	GENEPIO:0101112					1.0.0	1.0.0	1.0.0
			The type of data that is available, that may or may not require	This field provides information about additional data types that are available that may provide context for interpretation of the sequence data. Provide a term from the picklist for additional data types that are available. Additional data types may require special permission to access.	Total coliform count [GENEPIO:010				
Sample collection and processing	available_data_types	GENEPIO:0100690	permission to access.	Contact the data provider for more information.	0729] Pooled		1.0.0	1.0.0	1.0.0
Sample collection and processing	availabie_data_type_details	GENEPIO:0101023	Detailed information regarding other available data types.	Use this field to provide free text details describing other available data types that may provide context for interpreting genomic sequence data.	metagenomes containing extended spectrum beta-lactamase (ESBL) bacteria		1.0.0	1.0.0	1.0.0
	Host information	GENEPIO:0001268							
Host information	host_(common_name)	GENEPIO:0001386	The commonly used name of the host.	If the sample is directly from a host, either a common or scientific name must be provided (although both can be included, if known). If known, provide the common name.	Cow [NCBITaxon:99 13]; Chicken [NCBITaxon:99 13], Human [NCBITaxon:96 06]		1.0.0	1.0.0	1.0.0

Parent Class	Field	Ontology Identifier	Definition	Guidance	Depre Examples	cated Label Deprecated ID	Version Tracking		
arem olass	Total	dentiner	Germaon	If the sample is directly from a host, either a common or scientific name must be provided (although both can be included, if known). If known, select the scientific name from the	Bos taurus [NCBITaxon:99 13]; Homo sapiens [NCBITaxon:91				
Host information	host_(scientific_name)	GENEPIO:0001387	The taxonomic, or scientific name of the host. The biotype resulting from selection in a particular habitat, e.g. the A.	picklist provided. Provide the name of the ecotype of the host	03]		1.0.0	1.0.0	1.0.0
Host information	host_(ecotype)	GENEPIO:0100450	thaliana Ecotype Ler.	organism.	Sea ecotype		1.0.0	1.0.0	1.0.0
Host information	host_(breed)	GENEPIO:0100451	A breed is a specific group of domestic animals or plants having homogeneous appearance, homogeneous behavior, and other characteristics that distinguish it from other animals or plants of the same species and that were arrived at through selective breeding.	Provide the name of the breed of the host organism.	Holstein		1.0.0	1.0.0	1.0.0
iost iniornation	nosi_(breed)	GENEFIO:0100431		Ů	Calf		1.0.0	1.0.0	1.0.0
Host information	host_(food production name)	GENEPIO:0100452	The name of the host at a certain stage of food production, which may depend on its age or stage of sexual maturity.	pick list.	[FOODON:034 11349]		1.0.0	1.0.0	1.0.0
Host Information	host_age	GENEPIO:0001392	Age of host at the time of sampling.	If known, provide age. Age-binning is also acceptable.	79		1.0.0	1.0.0	1.0.0
Host Information	host_age_unit	GENEPIO:0001393	The units used to measure the host's age.	If known, provide the age units used to measure the host's age from the pick list.	year [UO:0000036]		1.0.0	1.0.0	1.0.0
Host information	host_age_bin	GENEPIO:0001394	Age of host at the time of sampling, expressed as an age group.	Select the corresponding host age bin from the pick list provided in the template. If not available, provide a null value or leave blank.			1.0.0	1.0.0	1.0.0
Host information	host disease	GENEPIO:0001391	The name of the disease experienced by the host.	This field is only required if the Pathogen.cl package was selected. If the host was sick, provide the name of the disease. The standardized term can be sourced from this look-up service, who will be considered to the control of th	mastitis,		1.0.0	1.0.0	1.0.0
Host Information	host_health_state	GENEPIO:0001388	Health status of the host at the time of sample collection.	If known, select a value from the pick list.	Asymptomatic [NCIT:C3833]		1.0.0	1.0.0	1.0.0
			Further details pertaining to the health or disease status of the host at		Hospitalized (ICU) [GENEPIO:010				
Host Information	host_health_status_details	GENEPIO:0001389	time of collection.	If known, select a value from the pick list.	0046] Recovered		1.0.0	1.0.0	1.0.0
Host Information	host_health_outcome	GENEPIO:0001390	Disease outcome in the host.	If known, select a value from the pick list.	[NCIT:C49498]		1.0.0	1.0.0	1.0.0
Host Information	host subject ID	GENEPIO:0001398	A unique identifier by which each host can be referred to e.g. #131	Should be a unique, user-defined identifier. This ID can help link laboratory data with epidemiological data, however, is likely sensitive information. Consult the data steward.	BCxy123		1.0.0	1.0.0	1.0.0
Host Information	case_ID	GENEPIO:0100281	The identifier used to specify an epidemiologically detected case of disease.	Provide the case identifer. The case ID greatly facilitates linkage between laboratory and epidemiological data. The case ID may be considered identifiable information. Consult the data steward before sharing.	ABCD1234		1.0.0	1.0.0	1.0.0
Host Information	symptom_onset_date	GENEPIO:0001399	The date on which the symptoms began or were first noted.	If known, provide the symptom onset date in ISO 8601 standard format "YYYY-MM-DD".	2020-03-16		1.0.0	1.0.0	1.0.0
Host Information	signs_and_symptoms	GENEPIO:0001400	A perceived change in function or sensation, (loss, disturbance or appearance) indicative of a disease, reported by a patient.	Select all of the symptoms experienced by the host from the pick list.	Cough [HP:0012735], Fever [HP:0001945], Rigors (fever shakes) [HP:0025145]		1.0.0	1.0.0	1.0.0
			Patient pre-existing conditions and risk factors. Pre-existing condition: A medical condition that existed prior to the current infection. Risk Factor: A variable associated with an increased risk of disease or	Select all of the pre-existing conditions and risk factors experienced by the host from the pick list. If the desired term is missing, contact the	Asthma				
Host Information	pre-existing_conditions_and_risk_factors	GENEPIO:0001401	infection.	curation team.	[HP:0002099] Acute respiratory failure				
Host Information	complications	GENEPIO:0001402	Patient medical complications that are believed to have occurred as a result of host disease.	Select all of the complications experienced by the host from the pick list.	[MONDO:0001 2081		1.0.0	1.0.0	1.0.0
Tool mornation	Host exposure information	GENEPIO:0001409	room of most disousce.		200]		1.0.0	1.0.0	1.0.0
				Select an exposure event from the pick list provided in the template. If the desired term is	Social				
Host exposure information	exposure event	GENEPIO:0001417	Event leading to exposure.	missing, contact the curation team. Select direct or indirect exposure from the	Gathering		1.0.0	1.0.0	1.0.0
Host exposure information	exposure contact level	GENEPIO:0001418	The exposure transmission contact type.	pick-list. Select the host's personal role(s) from the pick	Direct		1.0.0	1.0.0	1.0.0
Host exposure information	host role	GENEPIO:0001419	The role of the host in relation to the exposure setting.	list provided in the template. If the desired term is missing, contact the curation team.	Inpatient		1.0.0	1.0.0	1.0.0
Host exposure information	exposure setting	GENEPIO:0001419	The setting leading to exposure.	Select the host exposure setting(s) from the pick list provided in the template. If a desired term is missing, contact the curation team.	Healthcare Setting		1.5.5	1.0.0	1.5.0
·					Case infected				
Host exposure information	exposure details Host vaccination information	GENEPIO:0001431 GENEPIO:0001403	Additional host exposure information.	Free text description of the exposure.	family at home		1.0.0	1.0.0	1.0.0

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Parent Class	Field	Identifier	Definition	Guidance	Examples					
Host vaccination information	host_vaccination_status	GENEPIO:0001404	#REF!					1.0.0	1.0.0	1.0.0
Host vaccination information	number_of_vaccine_doses_received	GENEPIO:0001406						1.0.0	1.0.0	1.0.0
Host vaccination information Host vaccination information	vaccination_dose_1_vaccine_name vaccination_dose_1_vaccination_date	GENEPIO:0100313 GENEPIO:0100314						1.0.0	1.0.0	1.0.0
Host vaccination information	vaccination_dose_1_vaccination_date vaccination_dose_2_vaccine_name	GENEPIO:0100314						1.0.0	1.0.0	1.0.0
Host vaccination information	vaccination_dose_2_vaccination_date	GENEPIO:0100316						1.0.0	1.0.0	1.0.0
Host vaccination information	vaccination history	GENEPIO:0100321						1.0.0	1.0.0	1.0.0
	Host treatment information							1.0.0	1.0.0	1.0.0
Host treatment information	influenza_antiviral_treatment_administration menu	GENEPIO:0101113						1.0.0	1.0.0	1.0.0
Host treatment information	influenza_antiviral_agent	GENEPIO:0101114	A substance that destroys or inhibits replication of viruses.							
Host treatment information	influenza_antiviral_treatment_date	GENEPIO:0101115						1.0.0	1.0.0	1.0.0
	Sequence information	GENEPIO:0001441						1.0.0	1.0.0	1.0.0
Sequence information	library, ID	GENEPIO:0001448	The user-specified identifier for the library prepared for sequencing.	Every "library ID" from a single submitter must be unique. It can have any format, but we suggest that you make it concise, unique and consistent within your lab, and as informative as possible.	LS_2010_NP_ 123446			1.0.0	1.0.0	1.0.0
				Example Guidance: Provide the name of the DNA or RNA sequencing technology used in	whole genome sequencing					
Sequence information	sequencing_assay_type	GENEPIO:0100997	The overarching sequencing methodology that was used to determine the sequence of a biomaterial.	your study. If unsure refer to the protocol documentation, or provide a null value.	assay [OBI:0002117]					
Sequence information	sequencing_date	GENEPIO:0001447	The date the sample was sequenced.	ISO 8601 standard "YYYY-MM-DD".	2020-06-22	,		1.0.0	1.0.0	1.0.0
Sequence information	purpose of sequencing	GENEPIO:0001445	The reason that the sample was sequenced.	The reason why a sample was originally collected may differ from the reason why it was selected for sequencing. The reason a sample was sequenced may provide information about potential biases in sequencing strategy. Provide the purpose of sequencing from the picklist in the template. The reason for sample collection should be indicated in the "purpose of sampling" field.	Travel-associat ed surveillance			1.0.0	1.0.0	1.0.0
Sequence information	purpose of sequencing details	GENEPIO:0001446	The description of why the sample was sequenced providing specific details	Provide an expanded description of why the sample was sequenced using free text. The description may include the importance of the sequences for a particular public health investigation/surveillance activity/research question. Suggested standardized descriptions include: Assessing public health control measures. Determining early introductions and spread, Investigating airline-related exposures, Investigating remote regions, Investigating health care workers, Investigating schools/universities.	Investigating schools/univers ities			1.0.0	1.0.0	1.0.0
Sequence information	purpose_or_sequencing_details	GENEPIO.0001440	details.	schools/universities.	Public Health			1.0.0	1.0.0	1.0.0
Sequence information	sequenced_by	GENEPIO:0100416	The name of the agency, organization or institution responsible for sequencing the isolate's genome.	Provide the name of the agency, organization or institution that performed the sequencing in full (avoid abbreviations). If the information is unknown or cannot be provided, leave blank or provide a null value.				1.0.0	1.0.0	1.0.0
Sequence information	sequenced_by_laboratory_name	GENEPIO:0100470	The specific laboratory affiliation of the responsible for sequencing the isolate's genome.	Provide the name of the specific laboratory that that performed the sequencing in full (avoid abbreviations). If the information is unknown or cannot be provided, leave blank or provide a null value.	Topp Lab			1.0.0	1.0.0	1.0.0
Sequence information	sequenced_by_contact_name	GENEPIO:0100471	The name or title of the contact responsible for follow-up regarding the sequence.	Provide the name of an individual or their job title. As personnel turnover may render the contact's name obsolete, it is more prefereable to provide a job title for ensuring accuracy of information and institutional memory. If the information is unknown or cannot be provided, leave blank or provide a null value.	Enterics Lab			1.0.0	1.0.0	1.0.0
,	sequenced by contact email	GENEPIO:0100422	The email address of the contact responsible for follow-up regarding the sequence.	Provide the email associated with the listed contact. As personnel turnover may render an individual's email obsolete, it is more prefereable to provide an address for a position or lab, to ensure accuracy of information and institutional	enterics@lab.c			1.0.0	1.0.0	1.0.0
Sequence information										
Sequence information				The name of the agency should be written out in full, (with minor exceptions) and be consistent across multiple submissions. For Canadian institutions submitting specimens rather than sequencing data, please put the "National	Public Health					

Parent Class	Field	Ontology Identifier	Definition	Guidance	Evennles	Deprecated Label Deprecated ID	Version Tracking		
Parent Class	rieid	identiner	Definition	Guidance	Examples		Truoking		
Sequence information	sequence_submitter_contact_email	GENEPIO:0001165	The email address of the contact responsible for follow-up regarding the sequence.	The email address can represent a specific individual or laboratory.	RespLab@lab.		1.0.0	1.0.0	1.0.0
				,	Direct wastewater RNA capture and purification via the "Sewage, Salt, Silica and SARS-CoV-2 (4S)" method v4 found at https://www.pro tocols.io/view/V-d-direct-waste water-ma-capture-and-purificati				
Sample collection and processing	nucleic_acid_extraction_method	GENEPIO:0100939	The process used to extract genomic material from a sample.	Briefly describe the extraction method used.	gk5/v4 QlAamp		1.0.0	1.0.0	1.0.0
Sample collection and processing	nucleic_acid_extraction_kit	GENEPIO:0100772	The kit used to extract genomic material from a sample	Provide the name of the genomic extraction kit used.	Pro DNA Kit		1.0.0	1.0.0	1.0.0
Sample collection and processing	endogenous control details	GENEPIO:0100923	The description of the endogenous controls included when extracting a sample.	Provide the names of endogenous controls that were used as a reference during extraction. If relevant, include titers of these controls, as well as whether any controls were expected but not identified in the sample.			1.0.0	1.0.0	1.0.0
			The name of the project/initiative/program for which sequencing was	Provide the name of the project and/or the project ID here. If the information is unknown or cannot be provided, leave blank or provide a null	AMR-GRDI				
Sequence information	sequencing_project_name	GENEPIO:0100472	performed.	value.	(PA-1356)		1.0.0	1.0.0	1.0.0
Sequence information	sequencing_platform	GENEPIO:0100473	The platform technology used to perform the sequencing.	Provide the name of the company that created the sequencing instrument by selecting a value from the template pick list. If the information is unknown or cannot be provided, leave blank or provide a null value.	Illumina [GENEPIO:000 1923]		1.0.0	1.0.0	1.0.0
Sequence information	sequencing_instrument	GENEPIO:0001452	The model of the sequencing instrument used.	Provide the model sequencing instrument by selecting a value from the template pick list. If the information is unknown or cannot be provided, leave blank or provide a null value.	Illumina HiSeq 2500 [GENEPIO:010 0117]		1.0.0	1.0.0	1.0.0
Sequence information	sequencing_installient	GENET 10:0001402	The mode of the sequencing institution used.	provided, reave biank of provide a null value.	01111		1.0.0	1.0.0	1.0.0
Sequence information	library_preparation_kit	GENEPIO:0001450	The name of the DNA library preparation kit used to generate the library being sequenced.	Provide the name of the library preparation kit used.	Nextera XT		1.0.0	1.0.0	1.0.0
Sequence information	iibiaiy_preparation_nit	GENEFIO:0001430	•				1.0.0	1.0.0	1.0.0
Sequence information	DNA_fragment_length	GENEPIO:0100843	The length of the DNA fragment generated by mechanical shearing or enzymatic digestion for the purposes of library preparation.	Provide the fragment length in base pairs (do not include the units).	400		1.0.0	1.0.0	1.0.0
Sequence information	genomic_target_enrichment_method	GENEPIO:0100966	The molecular technique used to selectively capture and amplify specific regions of interest from a genome.	Provide the name of the enrichment method	Hybrid selection method (bait-capture) [GENEPIO:000 1950]		1.0.0	1.0.0	1.0.0
Sequence information	genomic_target_enrichment_method_details	GENEPIO:0100967	Details that provide additional context to the molecular technique used to selectively capture and amplify specific regions of interest from a genome.	Provide details that are applicable to the method you used. Note: If ball-capture methods were used for enrichment, provide the panel name and version number (or a URL providing that information).	enrichment was done using Twist's respiratory virus research panel: https://www.twi stbioscience.co m/products/ngs /fixed-panels/re spiratory-virus-r esearch-panel		1.0.0	1.0.0	1.0.0
Sequence information	amplicon_pcr_primer_scheme	GENEPIO:0001456	The specifications of the primers (primer sequences, binding positions, fragment size generated etc) used to generate the amplicons to be sequenced.	Provide the name and version of the primer scheme used to generate the amplicons for sequencing.	artic v3		1.0.0	1.0.0	1.0.0
Sequence information	amplicon_size	GENEPIO:0001449	The length of the amplicon generated by PCR amplification.	Provide the amplicon size expressed in base pairs.	300		1.0.0	1.0.0	1.0.0

Sequence information Sequence information Sequence information	Field sequencing_flow_cell_version sequencing_protocol r1_fastq_filename r2_fastq_filename	Ontology Identifier GENEPIO:0101102 GENEPIO:0001454 GENEPIO:0001476	The version number of the flow cell used for generating sequence data. The protocol or method used for sequencing. The user-specified filename of the r1 FASTQ file.	Provide the name and version of the procedure	Deprecated Label Examples R.9.4.1 https://www.pro tocols.io/view/n cov-2019-segu encing-protocol _bbmuils/w?ver ston_warning=n 9	,	.0.0	1.0.0	1.0.0
Sequence information Sequence information	sequencing_protocol r1_fastq_filename	GENEPIO:0001454	The protocol or method used for sequencing.	capacity, etc. The 'version of the flow cell used to generate sequence data can affect sequence quantity and quality. Record the version of the flow cell used to generate sequence data. Do not include "version" or "v" in the version number. Provide the name and version of the procedure or protocol used for sequencing. You can also	https://www.pro tocols.jo/view/n cov-2019-sequ encing-protocol -bbmulk6w?ver sion_warning=n				1.0.0
Sequence information Sequence information	sequencing_protocol r1_fastq_filename	GENEPIO:0001454	The protocol or method used for sequencing.	Provide the name and version of the procedure or protocol used for sequencing. You can also	https://www.pro tocols.jo/view/n cov-2019-sequ encing-protocol -bbmulk6w?ver sion_warning=n				1.0.0
Sequence information	r1_fastq_filename			provide a link to a protocol online.	<u>Q</u>	1	.0.0	1.0.0	
		GENEPIO:0001476	The user-specified filename of the r1 FASTQ file.		ABC123_S1_L 001_R1_001.fa				1.0.0
Sequence information	r2_fastq_filename			Provide the r1 FASTQ filename.	stq.gz ABC123_S1_L	1	.0.0	1.0.0	1.0.0
		GENEPIO:0001477	The user-specified filename of the r2 FASTQ file.	Provide the r2 FASTQ filename.	001_R2_001.fa stq.gz	1	.0.0	1.0.0	1.0.0
Sequence information	fast5_filename	GENEPIO:0001480	The user-specified filename of the FAST5 file.	Provide the FAST5 filename.	batch1a_seque nces.fast5	1	.0.0	1.0.0	1.0.0
Sequence information	genome sequence file name	GENEPIO:0101715	The name of the sequence file.	Provide the name and version number, with the file extension, of the processed genome sequence file e.g. a consensus sequence FASTA file or a genome assembly file.	mpxvassembly. fasta	1	.0.0	1.0.0	1.0.0
Sequence information	assembly_filename	GENEPIO:0001461	The user-defined filename of the FASTA file.	Provide the FASTA filename.	pathogenasse mbly123.fasta		.0.0	1.0.0	1.0.0
			The decidented menante of the PAOTA Inc.	Trovace the PACIA Inchante.	THOLY 120 Hasta				
	Bioinformatics and QC metrics quality control method name	GENEPIO:0001457 GENEPIO:0100557	The name of the method used to assess whether a sequence passed a predetermined quality control threshold.	Providing the name of the method used for quality control is very important for interpreting the rest of the QC information. Method names can be provided as the name of a pipeline or a link to a Giff-lub repository. Multiple methods should be listed and separated by a semi-colon. Do not include QC tags in other fields if no method name is provided.	ncov-tools		.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	quality control method version	GENEPIO:0100558	The version number of the method used to assess whether a sequence passed a predetermined quality control threshold.	Methods updates can make big differences to their outputs. Provide the version of the method used for quality control. The version can be expressed using whatever convention the developer implements (e.g. date, semantic versioning). If multiple methods were used, record the version numbers in the same order as the method names. Separate the version numbers up a semi-colon numbers using a semi-colon to the control of the co	1.23				
Bioinformatics and QC metrics	quality control determination	GENEPIO:0100559	The determination of a quality control assessment.	Select a value from the pick list provided. If a desired value is missing, submit a new term request to the PHA4GE QC Tag GitHub issuetracker using the New Term Request form.	sequence failed quality control		.0.0	1.0.0	1.0.0
	quality control issues	GENEPIO:0100560	The reason contributing to, or causing, a low quality determination in a quality control assessment.	Select a value from the pick list provided. If a desired value is missing, submit a new term request to the PHA4GE QC Tag GitHub issuetracker using the New Term Request form.	low average genome		.0.0	1.0.0	1.0.0
			The details surrounding a low quality determination in a quality control	Provide notes or details regarding QC results	CT value of 39. Low viral load. Low DNA concentration after				100
	quality control details raw sequence data processing method	GENEPIO:0001458	assessment. The method used for raw data processing such as removing barcodes, adapter trimming, fillering etc.	using free text. Raw data processing can have a significant impact on data quality and how it can be used. Provide the names and version numbers of software used for trimming adaptors, quality filtering, etc (e.g. Trimmomatto v. 0.38, Porechop v. 0.2.3), or a link to a GiltHub protocol.	amplification. Porechop 0.2.3		.0.0	1.0.0	1.0.0
	dehosting method	GENEPIO:0001459		Provide the name and version number of the software used to remove host reads.	Nanostripper	1	.0.0	1.0.0	1.0.0

Parent Class	Field	Ontology Identifier	Definition	Guidance	Examples	Deprecated Label Deprecated ID	Version Tracking		
Falent Class	rienu	identiner	Denmitori	Provide the name of the software used to	SPAdes Genome Assembler, Canu, wtdbg2,		3		
Bioinformatics and QC metrics	sequence assembly software name	GENEPIO:0100825	The name of the software used to assemble a sequence.	assemble the sequence.	velvet		1.0.0	1.0.0	1.0.0
				Provide the version of the software used to					
Bioinformatics and QC metrics	sequence assembly software version	GENEPIO:0100826	The version of the software used to assemble a sequence.	assemble the sequence.	3.15.5		1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	consensus sequence software name	GENEPIO:0001463	The name of the software used to generate the consensus sequence.	Provide the name of the software used to generate the consensus sequence.	iVar		1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	consensus sequence software version	GENEPIO:0001469	The version of the software used to generate the consensus sequence.	Provide the version of the software used to generate the consensus sequence.	1.3	3	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	breadth of coverage value	GENEPIO:0001472	The percentage of the reference genome covered by the sequenced	Provide value as a percent.	9:		1.0.0	1.0.0	1.0.0
bioinformatics and QC metrics	breadin of coverage value	GENEPIO.0001472	data, to a prescribed depth.	Provide value as a percent.	9:	5	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	depth of coverage value	GENEPIO:0001474	The average number of reads representing a given nucleotide in the reconstructed sequence.	Provide value as a fold of coverage.	40	0	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	depth of coverage threshold	GENEPIO:0001475	The threshold used as a cut-off for the depth of coverage.	Provide the threshold fold coverage.	10	0	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	genome completeness	GENEPIO:0100844	The percentage of expected genes identified in the genome being sequenced. Missing genes indicate missing genomic regions (incompleteness) in the data.	Provide the genome completeness as a percent (no need to include units).	8:	5	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	number of base pairs sequenced	GENEPIO:0001482	The number of total base pairs generated by the sequencing process.	Provide a numerical value (no need to include units).	38756	6	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	number of total reads	GENEPIO:0100827	The total number of non-unique reads generated by the sequencing process.	Provide a numerical value (no need to include units).	42386	7	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	number of unique reads	GENEPIO:0100828	The number of unique reads generated by the sequencing process.	Provide a numerical value (no need to include units).	24823	6	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	minimum post-trimming read length	GENEPIO:0100829	The threshold used as a cut-off for the minimum length of a read after trimming.	Provide a numerical value (no need to include units).	15	0	1.0.0	1.0.0	1.0.0
			The number of contigs (contiguous sequences) in a sequence						
Bioinformatics and QC metrics	number of contigs	GENEPIO:0100937	assembly.	Provide a numerical value.	10	U	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	percent Ns across total genome length	GENEPIO:0100830	The percentage of the assembly that consists of ambiguous bases (Ns).	Provide a numerical value (no need to include units).	:	2	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	Ns per 100 kbp	GENEPIO:0001484	The number of ambiguous bases (Ns) normalized per 100 kilobasepairs (kbp).	Provide a numerical value (no need to include units).	34:	2	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	N50	GENEPIO:0100938	The length of the shortest read that, together with other reads, represents at least 50% of the nucleotides in a set of sequences.	Provide the N50 value in Mb.	15	0	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	percent read contamination	GENEPIO:0100845	The percent of the total number of reads identified as contamination (not belonging to the target organism) in a sequence dataset.	Provide the percent contamination value (no need to include units).		2	1.0.0	1.0.0	1.0.0
	,								
Bioinformatics and QC metrics	sequence assembly length	GENEPIO:0100846	The length of the genome generated by assembling reads using a scaffold or by reference-based mapping.	Provide a numerical value (no need to include units).	3427	2	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	consensus genome length	GENEPIO:0001483	The length of the genome defined by the most common nucleotides at each position.	Provide a numerical value (no need to include units).	3867	7	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	reference genome accession	GENEPIO:0001485	A persistent, unique identifier of a genome database entry.	Provide the accession number of the reference genome.	NC_045512.2		1.0.0	1.0.0	1.0.0

		Ontology				Deprecated Label De	nrecated ID \	Version		
Parent Class	Field	Identifier	Definition	Guidance	Examples	Deprecated East.	1	Tracking		
Bioinformatics and QC metrics	deduplication method	GENEPIO:0100831	The method used to remove duplicated reads in a sequence read dataset.	Provide the deduplication software name followed by the version, or a link to a tool or method.	DeDup 0.12.8		1	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	bioinformatics protocol	GENEPIO:0001489	A description of the overall bioinformatics strategy used.	Further details regarding the methods used to process raw data, and/or generate assemblies, and/or generate consensus sequences can. This information can be provided in an SOP or protocol or pipeline/workflow, Provide the name and version number of the protocol, or a Gilthub link to a pipeline or workflow.	https://github.c om/phac-nml/n		1	1.0.0	1.0.0	1.0.0
	Taxonomic identification information	GENEPIO:0101082					1	1.0.0	1.0.0	1.0.0
			The name of the software used to map sequence reads to a reference		Bowtie2, BWA-MEM,					
Taxonomic identification information	read mapping software name	GENEPIO:0100832	genome or set of reference genes. The version of the software used to map sequence reads to a reference	Provide the name of the read mapping software. Provide the version number of the read mapping			1	1.0.0	1.0.0	1.0.0
Taxonomic identification information	read mapping software version	GENEPIO:0100833	genome or set of reference genes.	software.	2.5.1					
Taxonomic identification information	taxonomic reference database name	GENEPIO:0100834	The name of the taxonomic reference database used to identify the organism.	Provide the name of the taxonomic reference database.	NCBITaxon		1	1.0.0	1.0.0	1.0.0
Towns of the Market Control		OFNIFDIO MANAGE	The version of the taxonomic reference database used to identify the	Provide the version number of the taxonomic	4.0				400	100
Taxonomic identification information	taxonomic reference database version	GENEPIO:0100835	organism.	reference database.	1.3		1	1.0.0	1.0.0	1.0.0
Taxonomic identification information	taxonomic analysis report filename	GENEPIO:0101074	The filename of the report containing the results of a taxonomic analysis.	Provide the filename of the report containing the results of the taxonomic analysis.	Feb1_2024.doc		1	1.0.0	1.0.0	1.0.0
				Providing the date that an analyis was performed can help provide context for tool and reference database versions. Provide the date that the taxonomic analysis was performed in ISO 8601	i					
Taxonomic identification information	taxonomic analysis date	GENEPIO:0101075	The date a taxonomic analysis was performed.	format, i.e. "YYYY-MM-DD".	2024-02-01		1	1.0.0	1.0.0	1.0.0
Taxonomic identification information	read mapping criteria	GENEPIO:0100836	A description of the criteria used to map reads to a reference sequence.	Provide a description of the read mapping criteria.	Phred score >20		1	1.0.0	1.0.0	1.0.0
	Pathogen diagnostic testing	GENEPIO:0001506					1	1.0.0	1.0.0	1.0.0
				Provide the full name of the gene used in the test. Standardized gene names can be found in the Gene Ontology using this look-up service:						
Pathogen diagnostic testing Pathogen diagnostic testing	genetic target name genetic target region	GENEPIO:0101116 GENEPIO:0101117	The name of the genetic marker used for testing.	https://bit.ly/2Sq1Lbl	gyrase A		1	1.0.0	1.0.0	1.0.0
r daneger diagnostic teeting	genetic target region	OLINE IO. O IO III								
Pathogen diagnostic testing	genetic target region reference genome	GENEPIO:0101118					1	1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	diagnostic target presence	GENEPIO:0100962	The binary value of the result from a diagnostic test.	Select a value from the pick list provided, to describe whether a target was determined to be present or absent within a sample.	diagnostic target present			1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	diagnostic measurement value	GENEPIO:0100963	The value of the result from a diagnostic test.	Provide the numerical result of a diagnostic test (no need to include units).	1000		1	1.0.0	1.0.0	1.0.0
		52.121 10.0100000	1 or and room in a diagritodia tool.	,	1000		'			1.0.0
Dathagan diagnostic testing	diamantic management unit	GENEPIO:0100964	The unit of the result from a dispusation test	Select a value from the pick list provided, to	cycle threshold			1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	diagnostic measurement unit	GENEPIO:0100964	The unit of the result from a diagnostic test.	describe the units of the given diagnostic test.	(Ct)		1	1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	diagnostic measurement method	GENEPIO:0100965	The method by which a diagnostic result was determined.	Select a value from the pick list provided to describe the method used for a given diagnostic test.	qPCR		1	1.0.0	1.0.0	1.0.0
Pathogon diagnostic testing	diagnostic testing threshold value	GENEPIO:0101104						1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	ulaginosuc lesting threshold value	GENEPIO:0101104					1	1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	diagnostic testing threshold units	GENEPIO:0101105					1	1.0.0	1.0.0	1.0.0

Parent Class	Field	Ontology Identifier	Definition	Guidance	Examples	Deprecated Label	Deprecated ID	Version Tracking		
Pathogen diagnostic testing	diagnostic testing details	GENEPIO:0101106						1.0.0	1.0.0	1.0.0
	Risk assessment information	GENEPIO:0100478		Risk assessment requires detailed information				1.0.0	1.0.0	1.0.0
Risk assessment information	prevalence_metrics	GENEPIO:0100480	Metrics regarding the prevalence of the pathogen of interest obtained from a surveillance project.	regarding the quantities of a pathogen in a specified boaton, commodify, or environment. As such, it is useful for risk assessors to know what types of information are available through documented methods and results. Provide the metric types that are available in the surveillance project sample plan by selecting them from the	Number of tota samples collected, Number of positive samples			1.0.0	1.0.0	1.0.0
Risk assessment information	prevalence metrics details	GENEPIO:0100481	The details pertaining to the prevalence metrics from a surveillance project.	If there are details pertaining to samples or organism counts in the sample plan that might be informative, provide details using free text.	Hazard organism counts (i.e. Salmonella) do not distinguish between serovars.					
Risk assessment information	stage_of_production	GENEPIO:0100482	The stage of food production.	Provide the stage of food production as free text.	Abattoir [ENVO:010009 25]			1.0.0	1.0.0	1.0.0
Risk assessment information	experimental_intervention	GENEPIO:0100483	The category of the experimental intervention applied in the food production system.	In some surveys, a particular intervention in the food supply chain in studied. If there was an intervention specified in the sample plan, select the intervention category from the pick list provided.	Vaccination [NCIT:C15346]			1.0.0	1.0.0	1.0.0
Risk assessment information	experiment_intervention_details	GENEPIO:0100484	The details of the experimental intervention applied in the food production	or If an experimental intervention was applied in the	2% cranberry s	olution mixed in feed				