Parent Class	Field	Ontology Identifier	Definition	Guidance	Examples	Deprecated Label Deprecated ID	Version Tracking		
ratetit Glass		identiner	Delinition	Guidance	Examples	IMPORTANT: Only labels and/or IDs will be	Label	ID	Description/Gui
	Colour Code Legend field name in yellow = required					deprecated, always with replacement version provided. If a term changes in its meaning, a			dance
	field name in purple = recommended					new term will be created.			
	field name in white = optional								
	Database Identifiers	GENEPIO:0001122							
Database Identifiers	specimen collector sample ID	GENEPIO:0001123	The user-defined name for the sample.	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 suggest that you make it concise, unique and consistent within your lab.	prov_mpox_1234		1.0.0	1.0.0	1.0.0
Database Identificio	opcontan concess cample is	OLIVET TO:OUT TEO		Store the primary ID of the related specimen previously	prot_mpox_1204		1.0.0	1.0.0	1.0.0
Database Identifiers	Related specimen primary ID	GENEPIO:0001128	The primary ID of a related specimen previously submitted to the repository.	submitted to the National Microbiology Laboratory so that the samples can be linked and tracked through the system.	SR20-12345		1.0.0	1.0.0	1.0.0
Database Identifiers	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
Database identifiers	Case ID	GENEFIO.0100281	of disease.	Required if submission is linked to a BioProject. BioProjects			1.0.0	1.0.0	1.0.0
Database Identifiers	bioproject accession	GENEPIO:0001136	The INSDC accession number of the BioProject(s) to which the BioSample belongs.	are an organizing tool that links together raw sequence data, assemblies, and their associated metadata. A valid BioProject accession has prefix PRJN, PRJE or PRJD, e.g., PRJNA12345 and is created once at the beginning of a new sequencing project. Your laboratory can have one or many BioProjects.	PRJNA12345		1.0.0	1.0.0	1.0.0
Database Identifiers	biosample accession	GENEPIO:0001139	The identifier assigned to a BioSample in INSDC archives.	Store the accession returned from the BioSample submission. NCBI BioSamples will have the prefix SAMN, while ENA BioSamples will have the prefix SAMEA.	SAMN14180202		1.0.0	1.0.0	1.0.0
Database Identifiers	1000	GENEPIO:0101203	The identifier assigned to a sequence in one of the International Nucleotide Sequence Database Collaboration (INSDC)	Store the accession assigned to the submitted sequence. European Nucleotide Archive (ENA) sequence accessions start with ERR, NCBI-SRA accessions start with SRR, DNA Data Bank of Japan (DDBJ) accessions start with DRR and Genome Sequence Archive (GSA) accessions start with CRR	SRR123456, ERR123456, DRR123456, CRR123456			6.4.4	644
Database Identifiers	INSDC sequence read accession	GENEPIO:0101203	repositories. The versioned identifier assigned to an assembly or consensus		CRR123456		6.4.4	6.4.4	6.4.4
Database Identifiers	INSDC assembly accession	GENEPIO:0101204	sequence in one of the International Nucleotide Sequence Database Collaboration (INSDC) repositories.	Store the versioned accession assigned to the submitted sequence e.g. the GenBank accession version.	LZ986655.1		6.4.4	6.4.4	6.4.4
Database Identifiers	GISAID accession	GENEPIO:0001147	The GISAID accession number assigned to the sequence.	Store the accession returned from the GISAID submission.	EPI_ISL_436489		1.0.0	1.0.0	1.0.0
Sample collection and processing	Sample collection and processing	GENEPIO:0001150 GENEPIO:0001153	The name of the agency that collected the original sample.	The name of the sample collector should be written out in full, (with minor exceptions) and be consistent across multiple submissions e.g. Public Health Agency of Canada, Public Health Ontario, BC Carther for Disease Control. The sample collector specified is at the discretion of the data provider (i.e. may be hospital, provincial public health lab, or other).	BC Centre for Disease Control		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 RespLab@lab.ca	RespLab@lab.ca		1.0.0	1.0.0	1.0.0
Sample collection and processing	sample collector contact address	GENEPIO:0001158	The mailing address of the agency submitting the sample.	The mailing address should be in the format: Street number and name, City, Province/Territory, Postal Code, Country	655 Lab St, Vancouver, British Columbia, V5N		1.0.0	1.0.0	1.0.0
Sample collection and processing	sample collection date	GENEPIO:0001174	The date on which the sample was collected.	Sample collection date is critical for surveillance and many types of analyses. Required granularly includes year, by the date of the control	2020-03-1	6	1.0.0	1.0.0	1.0.0
Sample collection and processing	sample collection date precision	GENEPIO:0001177	The precision to which the "sample collection date" was provided.	Provide the precision of granularity to the "day", "month", or "year" for the date provided in the "sample collection date" field. The "sample collection date" will be truncated to the precision specified upon export, "day" for "YYYY-MM-DD", "month" for "YYYY-MM, "or "year" for "YYYY-MM."	year		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.	ISO 8601 standard "YYYY-MM-DD".	2020-03-2	0	1.0.0	1.0.0	1.0.0
Sample collection and processing	geo_loc_name (country)	GENEPIO:0001181	The country where the sample was collected.	Provide the country name from the controlled vocabulary provided.	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 where the sample was collected.	Provide the province/territory name from the controlled vocabulary provided.	Saskatchewan		1.0.0	1.0.0	1.0.0
campo concuon and processing	goo_so_namo (states provincementy)	GENET 10.0001183	The Salas provincer territory where the sample was collected.	Use "Mpox virus". This value is provided in the template. Note: the Mpox virus was formerly referred to as the "Monkeypox virus" but the international nomenclature has	Summonowall		1.0.0	1.0.0	1.0.0
Sample collection and processing	organism	GENEPIO:0001191	Taxonomic name of the organism.	changed (2022). Provide the GISAID EpiPox virus name, which should be written in the format "hMoxV/Canada/2 digit provincial ISO	Mpox virus		1.0.0	1.0.0	1.0.0
Sample collection and processing	isolate	GENEPIO:0001195	Identifier of the specific isolate.	code-xxxxx/year". If the province code cannot be shared for privacy reasons, put "UN" for "Unknown".	hMpxV/Canada/UN-NML-12345/2022		1.0.0	1.0.0	1.0.0
			·	As all samples are taken for diagnostic purposes, "Diagnostic Testing" should be chosen from the picklist at this time. 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					
Sample collection and processing	purpose of sampling	GENEPIO:0001198	The reason that the sample was collected.	sequencing field.	Diagnostic testing		1.0.0	1.0.0	1.0.0

Provide an expanded description of byte sample w collected using free text. The description yn include i				
importance of the sample for a particular public health The description of why the sample was collected, providing investigation/surveillance activity/research question. If	le the lth lth Symptomology and history suggested			
Sample collection and processing purpose of sampling details GENEPIO.0001200 specific details. details are not available, provide a null value. This information is required for upload through the CN	Monkeypox diagnosis.	1.0.0	1.0.0	1.0.0
Sample collection and processing NML submitted specimen type AML submitted specimen type GENEPIO.0001204 GENEPIO.0001204 GENEPIO.0001204 GENEPIO.0001204 In its information is required for upload inrodgin the CM. LaSER system. Select the specimen type in the pict from the pic. provided. If sequence the specimen for the specimen type is specimen for testing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for the sing, select 70x4 Applicable in the specimen for	pick list	1.0.0	1.0.0	1.0.0
Provide the tag that describes how the previous sample related to the current sample being submitted from the The relationship of the current specimen to the specimen/sample is provided, so that the submitted from the specimen sample is submitted from the specimen sample.	tracked	1.0.0		1.0.0
Sample collection and processing Related specimen relationship type GENEPIO:0001209 previously submitted to the repository. in the system. Provide a descriptor if an anatomical material was san	Previously Submitted	1.0.0	1.0.0	1.0.0
Use the picklist provided in the temptate. If a desired A substance obtained from an anatomical part of an organism e.g. is missing from the picklist, crowled in the temptate. If a desired to similar the picklist, crowled in the picklist, crowled in the picklist, crowled in the temptate. If a desired to similar the picklist, crowled in the picklist, crowled in the temptate. If a desired to similar the picklist, crowled in the temptate in the picklist, crowled in the temptate. If a desired the picklist, crowled in the p	d term @sfu.ca. value. Lesion (Pustule)	1.0.0	1.0.0	1.0.0
Provide a descriptor if an anatomical part was sample: Use the picklist provided in the template it a desired to is missing from the picklist, contact emma griffiths@gs. Sample collection and processing anatomical part GENEPIO.0001214 An anatomical part of an organism e.g. oropharynx.	d term @sfu.ca.	100	100	1.0.0
Provide a descriptor if a body product was sampled. U		1.55	1.0.0	1.0.0
Sample collection and processing body product A substance excreted/secreted from an organism e.g. feces, unine, sweat: A substance excreted/secreted from an organism e.g. feces, unine, sweat: A substance excreted/secreted from an organism e.g. feces, uninesing from the picklist, contact emma, griffiths@sfu. not applicable, do not leach inc. floose an unil value.	m is fu.ca. If	1.0.0	1.0.0	1.0.0
Provide a descriptor if a device was used for sampling				
Sample collection and processing collection device GENEPIO.0001234 The instrument or container used to collect the sample e.g. swab. not applicable, do not lead an anily value	fu.ca. If lue. Swab	1.0.0	1.0.0	1.0.0
Provide a descriptor if a collection method was used for sampling. Use the picklist provided in the template. If desired term is missing from the picklist, contact The process used to collect the sample e.g. philebotomy, emma_griffithe@fuc a.f not applicable, on tot leave	If a ve			
Sample collection and processing collection method GENEPIO.0001241 necropsy. blank. Choose a null value.	Biopsy	1.0.0	1.0.0	1.0.0
Critical for interpreting data. Select all the applicable processes from the pick list. If virus was passaged, inc information in "lab host", "passage number", and "pass Any processing applied to the sample during or after receiving the method" fields. If none of the processes in the pick list sample. Any processing applied to the sample during or after receiving the method" fields. If none of the processes in the pick list apply, but 'not applicable apply apply apply apply apply applicable apply apply apply applicable apply	include assage	1.0.0	1.0.0	1.0.0
Sample conection and processing specimen processing Secure 17.0001235 sample: appropriate :	5 swabs from different body sites were pooled	1.0.0	1.0.0	1.0.0
Detailed information regarding the processing applied to a sample Provide a free text description of any processing detail	tails and further prepared as a single sample during			
Sample collection and processing specimen processing details GENEPIO.0100311 during or after receiving the sample. applied to a sample. Samples can play different types of roles in experimen	library prep.	1.0.0	1.0.0	1.0.0
sample under study in one experiment may act as a c or be a replicate of another sample in another experim This field is used to distinguish samples under study fr controls, replicates, etc. if the sample acted as an experimental control or a replicate, sect. If the sample acted arole type fi the picklist, if the sample active lave by the	control iment. r from e from ank or	644	644	644
	Positive experimental control e strain Human coronavirus 229E (HCoV-229E) spiked	6.4.4	6.4.4	6.4.4
Sample collection and processing experimental control details GENEPIO.0100922 sample.	in sample as process control	3.0.0	3.0.0	3.0.0
Lineage and Variant information GENEPIO:0001498		1.0.0	1.0.0	1.0.0
Host Information GENEPIO:0001268		1.0.0	1.0.0	1.0.0
Common name or scientific name are required if there a host. Both can be provided, if known. Use terms from Host Information host (common name) GENEPIO.0001386 The commonly used name of the host. joick lists in the template common name)	rom the	100	100	100
Common name or scientific name are required if there a host. Both can be provided, if known. Use terms from pick lists in the template. Scientific name e.g. Homo sapiens, if the sample was environmental, put "not	re was om the			
Host Information nost (scientific name) GENEPIO.0001387 The taxonomic, or scientific name of the host. applicable	Homo sapiens	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. Further details pertaining to the health or disease status of the host health status of the host information host health status details GENEPIO.0001389 Health status of the health or disease status of the host information host health status details GENEPIO.0001389 Health status of the health or disease status of the host information the health or disease status of the host information host health status of the health or disease status of the host information host health status details	Asymptomatic led in Hospitalized	1.0.0		1.0.0
Host Information host health outcome GENEPIO:0001389 Disease outcome in the host. If known, select a value from the pick list.	Recovered	1.0.0		1.0.0
Select "Mpox" from the pick list provided in the templa Note: the Mpox disease was formerly referred to as "Monkeypox" but the international normenclature has	s			
Host Information host disease GENEPIO.0001391 The name of the disease experienced by the host. changed (2022). Host Information host age GENEPIO.0001392 Age of host at the time of sampling. If known, provide age. Age-binning is also acceptable.	Mpox le 79	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. If known, provide the age units used to measure the h		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. age from the pick list. Age bins in 10 year intervals have been provided. If a	year a	1.0.0	1.0.0	1.0.0
host's age cannot be specified due to provacy concerr Host Information host age bin GENEPIO.0001394 The age category of the host at the time of sampling, age bin an alternative.	50 - 59	1.0.0	1.0.0	1.0.0
Host Information host gender GENEPIO.0001395 The gender of the host at the time of sample collection. If known, select a value from the pick list.	Male	1.0.0		1.0.0
Select the country name from pick list provided in the	Canada	1.0.0	1.0.0	1.0.0
Host Information host residence geo_loc name (country) GENEPIO.0001396 The country of residence of the host. template.	ided in	1.0.0	1.0.0	1.0.0
Host Information host residence geo_loc name (state/province/territory) GENEPIO.0001397 The state/province/territory of residence of the host. Select the province/territory name from pick list provide the template.	Quebec	1.0.0	1.0.0	
Select the province/territory name from pick list provid	Quebec 901 2022-05-25	1.0.0		1.0.0

Patient pre-existing conditions and risk factors. Falient pre-existing conditions and risk factors 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 curation sexperienced by the host from the pick list. If the desired term is missing, contact the curation sexperienced by the host from the pick list. If the desired term is missing, contact the curation sexperienced by the host from the pick list. If the desired term is missing, contact the curation sexperienced by the host from the pick list. If the desired term is missing, contact the curation sexperienced by the host from the pick list. If the desired term is missing, contact the curation sexperienced by the host from the pick list. If the desired term is missing, contact the curation sexperienced by the host from the pick list. If the desired term is missing, contact the curation sexperienced by the host from the pick list. If the desired term is missing, contact the curation sexperienced by the host from the pick list. If the desired term is missing, contact the curation learning. Patient medical complications that are believed to have occurred as a result of host disease. Patient medical complications that are believed to have occurred to a result of host disease. Patient medical complications that are believed to have occurred to a result of host disease. Patient medical complications that are believed to have occurred to a result of host disease. Patient medical complications that are believed to have occurred to a result of host disease. Patient medical complications that are believed to have occurred to a result of host disease. Patient medical complications that are believed to have occurred to a result of host disease. Patient medical complications that are believed to have occurred to a result of host disease. Patient medical complications that are believed to have occurred to a result of host disease. Patient medical complicati	1.0			
Patient medical complications that are believed to have occurred the pick list. If the desired term is missing, contact the curation team. Service of the pick list. If the desired term is missing, contact the curation team. Provide details of all current antiviral treatment during the Tecovirimat used to treat current Monkeyor.		0.0	1.0.0	1.0.0
	1.0	0.0	1.0.0	1.0.0
Treatment of viral infections with agents that prevent viral current Monkeypox infection period. Consult with the data infection; AZT administered for concurrent	HIV			
Host Information antiviral therapy GENEPIO.0100580 replication in infected cells without impairing the host cell function. steward prior to sharing this information. infection	1.0	0.0	1.0.0	1.0.0
Host vaccination information GENEPIO:0001403				
The vaccination status of the host (fully vaccinated, partially				
Host vaccination information host vaccination status GENEPIO:0001404 vaccinated, or not vaccinated, or not vaccinated. Select the vaccination status of the host from the pick list. Not Vaccinated The vaccination status of the host (fully vaccinated, partially				
Host vaccination information host vaccination status GENEPIO.0001404 vaccinated, or not vaccinated). Select the vaccination status of the host from the pick list. Not Vaccinated [GENEPIO.0100102] Record how many doses of the vaccine the host has	1.0	0.0	1.0.0	1.0.0
Host vaccination information number of vaccine doses received GENEPIO:0001406 The number of doses of the vaccine received by the host. received. The name of the vaccine administered as the first dose of a Provide the name and the corresponding manufacturer of	1 1.	0.0	1.0.0	1.0.0
Host vaccination information vaccina ation dose 1 vaccine name GENEPIO:0100313 vaccine regimen. the Smallpox vaccine administered as the first dose. MVAMUNE (Bavarian Nordic) Provide the date the first dose of Smallpox vaccine was	1.0	0.0	1.0.0	1.0.0
administered. The date should be provided in ISO 8601				
Host vaccination information vaccination dose 1 vaccination date GENEPIO:0100314 The date the first dose of a vaccine was administered. standard format "YYYY-MM-DD". 20224	06-01 1.0	0.0	1.0.0	1.0.0
administered against a particular disease/set of diseases. It is also acceptable to concatenate individual dose dates of a series of vaccinations against a specific disease or a information (vaccine name, calcation date) separated by				
Host vaccination information vaccination history GENEPIO.0100321 set of diseases. GENEPIO.0100321 set of diseases. MVAMUNE (Bavarian Nordic); 2022-06-01	1.0	0.0	1.0.0	1.0.0
Host exposure information GENEPIO:0001409				
Host exposure information location of exposure geo_loc name (country) GENEPIO:0001410 The country where the host was likely exposed to the causative agent of the illness. Select the country name from the pick list provided in the template. Canada	1.0	0.0	1.0.0	1.0.0
The country where the host was likely exposed to the causative Host exposure information location of exposure geo_loc name (country) GENEPIO.0001410 GENEPIO.0001410 GENEPIO.0001410 The country where the host was likely exposed to the causative template. Select the country name from the pick list provided in the template. Canada [GAZ.00002560]	1.0	0.0	1.0.0	1.0.0
Host exposure information destination of most recent travel (city) GENEPIO:0001411 The name of the city that was the destination of most recent travel. (city) GENEPIO:0001411 Travel. Host exposure information GENEPIO:0001411 Travel. Host exposure information GENEPIO:0001411 Travel. Host exposure information Host in this ps://www.ebi.ac.uk/ols/oblogies/qaz New York City	11	0.0	100	100
Host exposure information destination of most recent travel (state/province/territory) GENEPIO:0001411 The name of the state/province/territory that was the destination of Select the province name from the pick list provided in the most recent travel. The name of the state/province/territory that was the destination of Select the province name from the pick list provided in the most recent travel.			1.0.0	1.0.0
Provide the name of the state/province/territory that was the destination of host travelled to. Use this look-up service to identify the				
Host exposure information destination of most recent travel (state/province/territory) GENEPIC:0001412 most recent travel. standardized term: https://www.ebi.ac.uk/ols/ontologies/gaz			1.0.0	1.0.0
Host exposure information destination of most recent travel (country) GENEPIC:0001413 travel. template. Canada The name of the country that was the destination of most recent set. Select the country name from the pick list provided in the	1.0		1.0.0	1.0.0
Host exposure information destination of most recent travel (country) GENEPIO:0001413 travel. template. United Kingdom [GAZ:00002637]	1.0	0.0	1.0.0	1.0.0
The date of a person's most recent departure from their primary residence (at that time) on a journey to one or more other Host exposure information most recent travel departure date GENEPIO.0001414 locations. Provide the travel departure date. 20204	03-16	0.0	1.0.0	1.0.0
The date of a person's most recent travel return date GENEPIO:0001415 The date of a person's most recent return to some residence from a journey originating at that residence. Provide the travel return date. 20204	04.26	0.0	1.0.0	1.0.0
Specify the countries (and more granular locations if known, separated by a comma) travelled in the last six months; can include multiple travels. Separate multiple	1.3	0.0	1.0.0	1.0.0
Host exposure information travel history GENEPIC:0001416 Travel history in last six months. travel events with a semi-colon. List most recent travel first. Canada, Vancouver, USA, Seattle, Italy, Mi	1.0	0.0	1.0.0	1.0.0
Host exposure information exposure event GENEPIO.0001417 Event leading to exposure. DataHarmonizer curation team. Party	1.0	0.0	1.0.0	1.0.0
Select an exposure event from the pick light in the template. If the desired term is missing, contact the				
Host exposure information exposure event GENEPIO.0001417 Event leading to exposure. DataHarmonizer curation team. Party [PCO.0000035]			1.0.0	1.0.0
Host exposure information exposure contact level GENEPIO:0001418 The exposure transmission contact type. Select exposure contact level from the pick-list. Contact with infected individual	1.0	0.0	1.0.0	1.0.0
Contact with infected individual Host exposure information exposure contact level GENEPIO:0001418 The exposure transmission contact type. Select exposure contact level from the pick-list. [GENEPIO:0100357]	1.0	0.0	1.0.0	1.0.0
Select the host's personal role(s) from the pick list provided in the template. If the desired term is missing, contact the				
Host exposure information host role GENEPIC:0001419 The role of the host in relation to the exposure setting. DataHarmonizer curation team. Acquaintance of case Select the host's personal role(s) from the pick list provided	1.0	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. in the template. If the desired term is missing, contact the DataHarmonizer curation team. Acquaintance of case [GENEPIO.0100266]] 1.0	0.0	1.0.0	1.0.0
Select the host exposure setting(s) from the pick list provided in the template. If a desired term is missing, Host exposure setting GENEPIO:0001428 The setting leading to exposure. contact the DataHarmonizer control the DataHarmonizer c	1.0	0.0	1.0.0	1.0.0
Select the host exposure setting(s) from the pick list provided in the template. If a desired term is missing, Host exposure setting GENEPIO.0001428 The setting leading to exposure. contact the DataHarmonizer curation team. Healthcare Setting [GENEPIO.0100201]	1.0	0.0	1.0.0	1.0.0
Host exposure information exposure details GENEPIO.0001431 Additional host exposure information. Free text description of the exposure. Large party, many contacts			1.0.0	1.0.0
The second anomalies appeared an	13	0.0		1.0.0
Host reinfection information GENEPIO:0001434				
If known, provide information about whether the individual had a previous Mpox infection. Select a value from the pick				
Host reinfection information prior Mpox infection GENEPIO.0100532 The absence or presence of a prior Mpox infection. list. Prior infection If known, provide information about whether the individual	1.0	0.0	1.0.0	1.0.0
Host reinfection information prior Mpox infection GENEPIO:0100532 The absence or presence of a prior Mpox infection. had a previous Mpox infection. Select a value from the pick list. Prior infection [GENEPIO:0100037]	1.0	0.0	1.0.0	1.0.0

Host reinfection information	prior Mpox infection date	GENEPIO:0100533	The date of diagnosis of the prior Mpox infection.	Provide the date that the most recent prior infection was diagnosed. Provide the prior Mpox infection date in ISO 8601 standard format "YYYY-MM-DD".	2022-06-20	1.0.0	1.0.0	1.0.0
Host reinfection information	prior Mpox antiviral treatment	GENEPIO:0100534	The absence or presence of antiviral treatment for a prior Mpox infection.	If known, provide information about whether the individual had a previous Mpox antiviral treatment. Select a value from the pick list.	Prior antiviral treatment	1.0.0	1.0.0	1.0.0
Host reinfection information	prior Mpox antiviral treatment	GENEPIO:0100534	The absence or presence of antiviral treatment for a prior Mpox infection.	If known, provide information about whether the individual had a previous Mpox antiviral treatment. Select a value from the pick list.	Prior antiviral treatment [GENEPIO:0100037]	1.0.0	1.0.0	1.0.0
		GENEPIO:0100535	Antiviral treatment for any infection during the prior Mpox infection	Provide a description of any antiviral treatment administered for viral infections (not including Mpox treatment) during the prior Mpox infection period. This field	AZT was administered for HIV infection during			
Host reinfection information	prior antiviral treatment during prior Mpox infection	GENEPIO:0100535	period.	is meant to capture concurrent treatment information.	the prior Mpox infection.	1.0.0	1.0.0	1.0.0
	Sequencing	GENEPIO:0001441						
Sequencing	sequencing project name	GENEPIO:0100472	The name of the project/initiative/program for which sequencing was performed.	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 value.	MPOX-1356	3.0.0	3.0.0	3.0.0
				The name of the agency should be written out in full, (with minor exceptions) and be consistent across multiple submissions. If submitting specimens rather than sequencing data, please put the "National Microbiology				
Sequencing	sequenced by	GENEPIO:0100416	The name of the agency that generated the sequence.	Laboratory (NML)". The name of the agency should be written out in full, (with minor exceptions) and be consistent across multiple	Public Health Ontario (PHO)	3.0.0	3.0.0	3.0.0
Sequencing	sequenced by	GENEPIO:0100416	The name of the agency that generated the sequence.	submissions. Provide the name of the specific laboratory that that	Public Health Ontario (PHO)	3.0.0	3.0.0	3.0.0
Sequencing	sequenced by laboratory name	GENEPIO:0100470	The specific laboratory affiliation of the responsible for sequencing the isolate's genome.	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	3.0.0	3.0.0	3.0.0
			The name or title of the contact responsible for follow-up regarding	Provide the name of an individual or their job title. As personnel turnover may render the contact's name obsolete, it is more preferable to provide a job title for ensuring accuracy of information and institutional memory.				
Sequencing	sequenced by contact name	GENEPIO:0100471	the sequence. The email address of the contact responsible for follow-up	blank or provide a null value. The email address can represent a specific individual or lab	Joe Bloggs, Enterics Lab Manager	3.0.0	3.0.0	3.0.0
Sequencing	sequenced by contact email	GENEPIO:0100422	regarding the sequence.	e.g. johnnyblogs@lab.ca, or RespLab@lab.ca The mailing address should be in the format: Street number	RespLab@lab.ca 123 Sunnybrooke St. Toronto, Ontario, M4P	3.0.0	3.0.0	3.0.0
Sequencing	sequenced by contact address	GENEPIO:0100423	The mailing address of the agency submitting the sequence.	and name, City, Province/Territory, Postal Code, Country The name of the agency should be written out in full, (with minor exceptions) and be consistent across multiple submissions. If submitting specimens rather than	1L6, Canada	3.0.0	3.0.0	3.0.0
Sequencing	sequence submitted by	GENEPIO:0001159	The name of the agency that submitted the sequence to a database.	sequencing data, please put the "National Microbiology Laboratory (NML)". The name of the agency should be written out in full, (with	Public Health Ontario (PHO)	3.0.0	3.0.0	3.0.0
Sequencing	sequence submitted by	GENEPIO:0001159	The name of the agency that submitted the sequence to a database	minor exceptions) and be consistent across multiple submissions. If submitting specimens rather than sequencing data, please put the "National Microbiology Laboratory (NML)".	Public Health Ontario (PHO)	300	300	3.0.0
Sequencing	sequence submitter contact email	GENEPIO:0001165	The email address of the agency responsible for submission of the sequence.			3.0.0	3.0.0	3.0.0
Sequencing	sequence submitter contact address	GENEPIO:0001167	The mailing address of the agency responsible for submission of the sequence.	The mailing address should be in the format: Street number and name, City, Province/Territory, Postal Code, Country	. 0	3.0.0	3.0.0	3.0.0
Sequencing	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.	Select "Targeted surveillance (non-random sampling)" if the specimen fils any of the following criteria: Specimens attributed to individuals with no known intimate contacts to positive cases. Specimens attributed to youthrininors <18 yrs. Specimens attributed to youthrininors <18 yrs. Specimens attributed to orion specimens with a specimens attributed to individuals self-identifying as "female", For specimens with a recent international and/or domestic travel history, please select the most consisting a from the following three options: Domestic travel surveillance, Travel-associated surveillance; For specimens targeted for sequencing as part of an outbreak investigation, please select: Cluster/Outbreak investigation, please select: Cluster/Outbreak investigation, please select: Cluster/Outbreak investigation, in all other cases use: Baseline surveillance (random sampling).	3.0.0	3.0.0	3.0.0
				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	Baseline surveillance (random sampling)			
Sequencing	purpose of sequencing		The reason that the sample was sequenced. The description of why the sample was sequenced providing	indicated in the "purpose of sampling" field. 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: Screened due to travel bistony. Screened due to travels bistony. Screened due to close contact with	[GENEPIO:0100005]	3.0.0	3.0.0	3.0.0
Sequencing Sequencing	purpose of sequencing details sequencing date	GENEPIO:0001446 GENEPIO:0001447	specific details. The date the sample was sequenced.	infected individual. ISO 8601 standard "YYYY-MM-DD".	Outbreak in MSM community 2020-06-22	3.0.0 3.0.0	3.0.0	3.0.0
Sequencing	sequencing date	GENEPIO:0001447	The date the sample was sequenced.	ISO 8601 standard "YYYY-MM-DD".	2020-06-22	3.0.0	3.0.0	3.0.0

March Marc									
Second S					The library name should be unique, and can be an autogenerated ID from your LIMS, or modification of the				
Part	equencing	library ID				XYZ_123345			
Second	equencing	library preparation kit	GENEPIO:0001450	library being sequenced.		Nextera XT	3.0.0	3.0.0	3.0.0
March Marc				The overarching sequencing methodology that was used to	Example Guidance: Provide the name of the DNA or RNA sequencing technology used in your study. If unsure refer	whole genome sequencing assay			
Market Control Contr	equencing	sequencing assay type	GENEPIO:0100997		to the protocol documentation, or provide a null value.	[OBI:0002117]	3.0.0	3.0.0	3.0.0
Part	eauencina	sequencing instrument	GENEPIO:0001452	The model of the sequencing instrument used.	Select a sequencing instrument from the picklist provided in the template.	Oxford Nanopore MinION	3.0.0	3.0.0	3.0.0
Part					Select a sequencing instrument from the picklist provided in				
Part	equencing	sequencing instrument	GENEPIO:0001452	The model of the sequencing instrument used.		Oxford Nanopore MinION [GENEPIO:0100142]	3.0.0	3.0.0	3.0.0
Part	ieguencina	sequencing flow cell version	GENEPIO:0101102	The version number of the flow cell used for generating sequence data.	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	R.9.4.1	3.0.0	3.0.0	3.0.0
Part	•				Provide a free text description of the methods and materials used to generate the sequence. Suggested text, fill in information where indicated: "Viral sequencing was performed following a metagenomic shotgun sequencing approach. Sequencing was performed using a still in/sequencing texture to the sequencing instrument. Libraries were prepared using sfill	Viral sequencing was performed following a metagenomic shotgun sequencing approach. Libraries were created using Illumina DNA Prep kits, and sequence data was produced using			
Table Tabl	quencing	sequencing protocol	GENEPIO:0001454	The protocol used to generate the sequence.	in> library kit. "	Miseq Micro v2 (500 cycles) sequencing kits.	3.0.0	3.0.0	3.0.0
Marke Mark	equencing	sequencing kit number	GENEPIO:0001455	The manufacturer's kit number.	Alphanumeric value.	AB456XYZ789	3.0.0	3.0.0	3.0.0
Part	equencina	DNA fragment length	GENEPIO:0100843	shearing or enzymatic digestion for the purposes of library		400	300	300	300
Companies Comp		3		The molecular technique used to selectively capture and amplify	,				
Section Sect	equencing	genomic target enrichment method	GENEPIO:0100966		Provide the name of the enrichment method		3.0.0	3.0.0	3.0.0
Part	Sequencing	genomic target enrichment method details	GENEPIO:0100967	used to selectively capture and amplify specific regions of interest from a genome.	Provide details that are applicable to the method you used.	Enrichment methodology with the Illumina DNA	3.0.0	3.0.0	3.0.0
Seriormatics and CC metrics qualty count of method rearre GENEPO 0015057 The same of the method case to suspense serior properties per learn of the method case for scalarly control. The same of the method case of the method case of the method case of the method case for scalarly control. The same of the method case of the method case for scalarly control. The same of the method case of the method case for scalarly control. The same of the method case of the method case for scalarly control. The same of the method case of the method case for scalarly control. The same of the method case of the method case for scalarly control. The same of the method case for scalarly control. The same of the method case for scalarly control. The same of the method case for scalarly control. The same of the method case for scalarly control. The same of the method case for scalarly control. The same of the method case for scalarly control. The same of the method case for scalarly control. The same of the method case for scalarly control. The same of the method case for scalarly control. The same of the method case for scalarly control. The same of the method case for scalarly control. The same of the method case for scalarly control. The same of the method case for scalarly control. The same of the method case for scalarly control. The same of the method case for scalarly co	Sequencing	amplicon pcr primer scheme	GENEPIO:0001456	positions, fragment size generated etc) used to generate the	Provide the name and version of the primer scheme used to generate the amplicons for sequencing.	MPXV Sunrise 3.1	3.0.0	3.0.0	3.0.0
Providing the name of the method sand to qualify comfort where the conformation and CO method. Apply comfort method name GENEPO 010057 The name of the method used to assess whether as experience growing method rearries. GENEPO 010057 The name of the method used to assess whether as experience growing method rearries. GENEPO 010057 The name of the method used to assess whether as experience growing method rearries. GENEPO 010057 The name of the method used to assess whether as experience growing method rearries. GENEPO 010057 The name of the method used to assess whether as experience growing method rearries. GENEPO 010057 The name of the method used to assess whether as experience growing method with the product of the method used for subject or method u	equencina	amplicon size	GENEPIO:0001449	The length of the amplicon generated by PCR amplification	Provide the amplicon size expressed in base pairs	300hp	300	3.0.0	300
Providing far manufal case of CC metrics which continues and	aquencing			The length of the amplicon generated by Fort amplification.	Trovide the amplicon size expressed in base pairs.	30000	5.0.0	5.0.0	5.0.0
Provide the worstood file method used to assess whether a plant production and Co metrics and Co	Bioinformatics and QC metrics	quality control method name	GENEPIO:0100557		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 GitHub 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		1.0.0	1.0.0	1.0.0
Selection marks and OC metrics quality control steases — CENEPIO-010569 The details surrounding a low quality determination in a quality control assessment of the software and version number used for raw data processing method of the processing such as removing barcodes, adapter frimming, filtering processing and the processing such as removing barcodes, adapter frimming, filtering processing and oC metrics of the processing such as the processing such as the processing such as removing barcodes, adapter frimming, filtering processing such as removed by the version e.g. and the such as adapter frimming, filtering processing such as removed by filtering processing su		quality control method version		The version number of the method used to assess whether a	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	1.2.3			
informatics and OC metrics in									
conformatics and QC metrics rew sequence data processing method center sequence data processing	oinformatics and QC metrics	quality control issues	GENEPIO:0100560	The details currounding a low quality determination in a quality	Provide notes or details regarding OC results using free	CT value of 20 Law viral load Law DNA	1.0.0	1.0.0	1.0.0
processing such as removing barrockes, adapter trimming, filtering etc. Provide the software name followed by the version e.g. provide the fol	ioinformatics and QC metrics	quality control details	GENEPIO:0100561	control assessment.	text.	concentration after amplification.	1.0.0	1.0.0	1.0.0
processing such as removing barcodes, adapter timming, filtering processing such as removing barcodes, adapter timming. Filtering processing such as removing barcodes, adapter timming, filtering processing such as removing barcodes, adapter timming. Filtering processing such as removing barcodes, adapter timming to construct a such as the pathogon of the remove the pathogon of the remove that reads from the pathogon of the remove thost reads from the pathogon of the remove thost reads from the pathogon of the remove duplicated reads in a sequence read. Provide the name and version number of the software used to service both to remove thost reads from the pathogon of the remove duplication removed duplication removed uplicated reads in a sequence read. Provide the name and version number of the consensus sequence by the version, or a link to a local or method. GENEPIO.0001460 The name of the consensus sequence read. Provide the name and version number of the consensus sequence of the consensus sequence file to remove duplication software used to service the version, or nember. When the design and version number of the consensus sequence file and consensus sequence file and sequence file and version number of the consensus sequence file and sequence file and version number of the consensus sequence file and version numbe	ioinformatics and QC metrics	raw sequence data processing method	GENEPIO:0001458	processing such as removing barcodes, adapter trimming, filtering		Porechop 0.2.3	1.0.0	1.0.0	1.0.0
informatics and QC metrics debotting method debotting met	ioinformatics and QC metrics	raw sequence data processing method	GENEPIO:0001458	processing such as removing barcodes, adapter trimming, filtering	Provide the software name followed by the version e.g. Trimmomatic v. 0.38, Porechop v. 0.2.3	Porechop 0.2.3	1.0.0	1.0.0	1.0.0
dehosting method GENEPIO.0001459 Sequence and QC metrics deduplication method GENEPIO.0001459 Sequence Association method GENEPIO.0001450 The method used to remove duplicated reads in a sequence read dataset. The method used to remove duplicated reads in a sequence read provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Sequence and the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Sequence and the consensus sequence file. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version num	oinformatics and OC metrics	dehosting method	GENEPIO:0001459			Nanostripper	1.0.0	1.0.0	1.0 0
informatics and QC metrics deduplication method GenEPIO:0001480 The name of the consensus sequence. GENEPIO:0001460 The name of the consensus sequence file. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequence file. Provide the name and version number of the consensus sequen		·		The method used to remove host reads from the pathogen	Provide the name and version number of the software used				
deduplication method GENEPIC-0100831 dataset. version, or a link to a tool or method. Debup 0.12.8	ioinformatics and QC metrics	dehosting method	GENEPIO:0001459			Nanostripper	1.0.0	1.0.0	1.0.0
oinformatics and QC metrics consensus sequence name GENEPIO.0001460 The name of the consensus sequence. GENEPIO.0001461 The name of the consensus sequence file. Provide the name and version number of the consensus sequence FASTA file. Provide the name and version number of the consensus sequence FASTA file. Provide the name and version number of the consensus sequence FASTA file. Provide the name and version number, with the file extension, of the processed genome sequence file e.g. a consensus sequence file e.g. a c	oinformatics and QC metrics	deduplication method	GENEPIO:0100831		version, or a link to a tool or method.	DeDup 0.12.8	1.0.0	1.0.0	1.0.0
consensus sequence filename GENEPIO.0001461 The name of the consensus sequence file. Provide the name and version number of the consensus sequence FASTA file. Distribution formatics and QC metrics GENEPIO.0001462 The filepath of the consensus sequence file. Provide the filepath of the consensus sequence FASTA file. Provide the filepath of the consensus sequence file e.g., a con	oinformatics and OC metrics	consensus sequence name	GENEPIO:0001460	The name of the consensus sequence		mpxvassemblv3	1.0.0	1.0.0	1.0 0
consensus sequence fliepath GENEPIO.001462 The filepath of the consensus sequence flie. Provide the filepath of the consensus sequence FASTA file. In earth of the consensus sequence flie extension, of the processed genome sequence flie e.g. a consensus sequence flie flie path of the consensus sequence flie. Provide the filepath of the genome sequence fASTA file. In file flie path of the consensus sequence flie. Provide the filepath of the genome sequence FASTA file. In file flie path of the consensus sequence flie. Provide the filepath of the genome sequence FASTA file. In file flie path of the genome sequence flie flie path o				·	Provide the name and version number of the consensus	mpox123assembly.fasta			
Provide the name and version number, with the file extension, of the processed genome sequence file e, a consensus sequence file and extensions, of the processed genome sequence file e, a consensus sequence file e, a co	oinformatics and OC metrics	consensus sequence filenath	GENEPIO:0001462	The filenath of the consensus sequence file	Provide the filenath of the consensus sequence FASTA file	/User/Documents/STILab/Data/mpox123assem	100	100	100
conformatics and QC metrics genome sequence file path genome file path genome sequence file path genome sequence file path genome file path geno				·	Provide the name and version number, with the file extension, of the processed genome sequence file e.g. a				
oinformatics and QC metrics genome sequence flep path GENEPIO:0101716 The flepath of the consensus sequence file. Provide the flepath of the genome sequence FASTA file. fasta 6.4.4		gonome sequence me name			me.	' '			0.4.4
oinformatics and QC metrics consensus sequence software version GENEPIO.0001469 The name of software used to generate the consensus sequence. The version of the software used to generate the consensus sequence. The version of the software used to generate the consensus sequence. The version of the software used to generate the consensus sequence. Provide the version of the software used to generate the consensus sequence. 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 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	oinformatics and QC metrics	genome sequence file path	GENEPIO:0101716	The filepath of the consensus sequence file.		fasta	6.4.4	6.4.4	6.4.4
oinformatics and QC metrics consensus sequence software version GENEPIO:0001469 sequence. onsensus sequence. onsensus sequence. 1.3 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	ioinformatics and QC metrics	consensus sequence software name	GENEPIO:0001463	The name of 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
Provide the name of the software used to assemble the SPAdes Genome Assembler, Canu, wtdbg2,	ioinformatics and QC metrics	consensus sequence software version	GENEPIO:0001469			13	1.0.0	1.0.0	1.0.0
	ioinformatics and QC metrics	sequence assembly software name	GENEPIO:0100825	The name of the software used to assemble a sequence	·		100	100	100

Bioinformatics and QC metrics	sequence assembly software version	GENEPIO:0100826	The version of the software used to assemble a sequence.	Provide the version of the software used to assemble the sequence.	3.15.5	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	r1 fastq filename	GENEPIO:0001476	The user-specified filename of the r1 FASTQ file.	Provide the r1 FASTQ filename. This information aids in data management.	ABC123_S1_L001_R1_001.fastq.gz	1.0.0	1.0.0	1.0.0
ioinformatics and QC metrics	r2 fastq filename	GENEPIO:0001477	The user-specified filename of the r2 FASTQ file.	Provide the r2 FASTQ filename. This information aids in data management.	ABC123_S1_L001_R2_001.fastq.gz	1.0.0	1.0.0	1.0.0
ioinformatics and QC metrics	r1 fastq filepath	GENEPIO:0001478	The location of the r1 FASTQ file within a user's file system.	Provide the filepath for the r1 FASTQ file. This information aids in data management.	/User/Documents/ViralLab/Data/ABC123_S1_L 001_R1_001.fastq.gz	1.0.0	1.0.0	1.0.0
ioinformatics and QC metrics		GENEPIO:0001478		Provide the filepath for the r2 FASTQ file. This information	/User/Documents/ViralLab/Data/ABC123_S1_L	1.0.0	1.0.0	1.0.0
	r2 fastq filepath		The location of the r2 FASTQ file within a user's file system.	aids in data management. Provide the FAST5 filename. This information aids in data	001_R2_001.fastq.gz			
oinformatics and QC metrics	fast5 filename	GENEPIO:0001480	The user-specified filename of the FAST5 file.	management. Provide the filepath for the FAST5 file. This information aids	mpxv123seq.fast5 s /User/Documents/RespLab/Data/mpxv123seq.f	1.0.0	1.0.0	1.0.0
oinformatics and QC metrics	fast5 filepath	GENEPIO:0001481	The location of the FAST5 file within a user's file system. The total number of non-unique reads generated by the	in data management.	ast5	1.0.0	1.0.0	1.0.0
ioinformatics and QC metrics	number of total reads	GENEPIO:0100827	sequencing process.	Provide a numerical value (no need to include units).	423867	1.0.0	1.0.0	1.0.0
ioinformatics 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).	248236	1.0.0	1.0.0	1.0.0
oinformatics 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).	150	1.0.0	1.0.0	1.0.0
ioinformatics and QC metrics	breadth of coverage value	GENEPIO:0001472	The percentage of the reference genome covered by the sequenced data, to a prescribed depth.	Provide value as a percentage.	95%	8.5.5	8.5.5	8.5.5
ioinformatics 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.	400x	8.5.5	8.5.5	8.5.5
			· ·	Ů	1			
ioinformatics and QC metrics	depth of coverage threshold	GENEPIO:0001475	The threshold used as a cut-off for the depth of coverage. The number of total base pairs generated by the sequencing	Provide the threshold fold coverage.	100x	8.5.5	8.5.5	8.5.5
ioinformatics and QC metrics	number of base pairs sequenced	GENEPIO:0001482	process. Size of the reconstructed genome described as the number of	Provide a numerical value (no need to include units).	2639019	1.0.0	1.0.0	1.0.0
ioinformatics and QC metrics	consensus genome length	GENEPIO:0001483	base pairs.	Provide a numerical value (no need to include units).	197063	1.0.0	1.0.0	1.0.0
ioinformatics 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).	34272	1.0.0	1.0.0	1.0.0
ioinformatics and QC metrics	number of contigs	GENEPIO:0100937	The number of contigs (contiguous sequences) in a sequence assembly.	Provide a numerical value.	10	1.0.0	1.0.0	1.0.0
			The percentage of expected genes identified in the genome being sequenced. Missing genes indicate missing genomic regions	Provide the genome completeness as a percent (no need				
oinformatics and QC metrics	genome completeness	GENEPIO:0100844	(incompleteness) in the data. The length of the shortest read that, together with other reads,	to include units).	85	1.0.0	1.0.0	1.0.0
oinformatics and QC metrics	N50	GENEPIO:0100938	represents at least 50% of the nucleotides in a set of sequences. The percentage of the assembly that consists of ambiguous bases	Provide the N50 value in Mb.	150	1.0.0	1.0.0	1.0.0
oinformatics and QC metrics	percent Ns across total genome length	GENEPIO:0100830	(Ns).	Provide a numerical value (no need to include units).	2	1.0.0	1.0.0	1.0.0
ioinformatics 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).	342	1.0.0	1.0.0	1.0.0
ioinformatics 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_063383.1	1.0.0	1.0.0	1.0.0
Sioinformatics 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 accounts, and/or generate assemblies, and/or generate accounts are provided in an SOP or protocol or pipeline/workflow. Provide the name and version number of the protocol, or a GitHub link to a pipeline or workflow. 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.	https://github.com/phac-nml/monkeypox-nf	3.0.0	3.0.0	3.0.0
ioinformatics and QC metrics	bioinformatics protocol	GENEPIO:0001489	A description of the overall bioinformatics strategy used.	Provide the name and version number of the protocol, or a GitHub link to a pipeline or workflow.	https://github.com/phac-nml/monkeypox-nf	3.0.0	3.0.0	3.0.0
	Taxonomic identification information	GENEPIO:0101082	The same of the safety and the same same safety and the same safety and the same same safety and the same safety and the same safety and the					
xonomic identification information	read mapping software name	GENEPIO:0100832	The name of the software used to map sequence reads to a reference genome or set of reference genes.	Provide the name of the read mapping software.	Bowtie2, BWA-MEM, TopHat	1.0.0	1.0.0	1.0.0
axonomic identification information	read mapping software version	GENEPIO:0100833	The version of the software used to map sequence reads to a reference genome or set of reference genes.	Provide the version number of the read mapping software.	2.5.1	1.0.0	1.0.0	1.0.0
axonomic 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	1.0.0	1.0.0	1.0.0
xonomic identification information	taxonomic reference database version	GENEPIO:0100835	The version of the taxonomic reference database used to identify the organism.	Provide the version number of the taxonomic reference database.	1.3	1.0.0	1.0.0	1.0.0
axonomic 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.	MPXV_report123.doc	1.0.0	1.0.0	1.0.0
xonomic identification information	taxonomic analysis date	GENEPIO:0101075		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 format. i.e. "YYYYMM-DD".	2024-02-01	1.0.0	1.0.0	1.0.0
	,		The date a taxonomic analysis was performed. A description of the criteria used to map reads to a reference					
xonomic identification information	read mapping criteria	GENEPIO:0100836	sequence.	Provide a description of the read mapping criteria.	Phred score >20	1.0.0	1.0.0	1.0.0
di	Pathogen diagnostic testing	GENEPIO:0001506		The specific genomic region, sequence, or variant targeted by the assay in a diagnostic test. This may include parts of a gene, non-coding regions, or other genetic elements that serve as a marker for detecting the presence of a pathogen		7.5.5	0.5.5	765
athogen diagnostic testing	assay target name 1	GENEPIO:0102052	, ,	Provide details that are applicable to the assay used for the		7.5.5	8.5.5	7.5.5
athogen diagnostic testing	assay target details 1	GENEPIO:0102045	Describe any details of the assay target.	diagnostic test. Select the name of the gene used for the diagnostic PCR		7.5.5	7.5.5	7.5.5
athogen diagnostic testing	gene name 1	GENEPIO:0001507	The name of the gene used in the diagnostic RT-PCR test.	from the standardized pick list.	MPX (orf B6R)	1.0.0	1.0.0	1.0.0

Pathogen diagnostic testing	gene symbol 1	GENEPIO:0102041	The gene symbol used in the diagnostic RT-PCR test.	Select the abbreviated representation or standardized symbol of the gene used in the diagnostic test from the pick list. The assay target or specific primer region should be added to assay target name.	opa190 gene (MPOX)	7.5.5	7.5.5	7.5.5
Pathogen diagnostic testing	diagnostic per protocol 1	GENEPIO:0001508	The name and version number of the protocol used for diagnostic marker amplification.	The name and version number of the protocol used for carrying out a diagnostic PCR test. This information can be		7.5.5	7.5.5	7.5.5
Pathogen diagnostic testing	diagnostic per Ct value 1	GENEPIO:0001509	The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.	Provide the CT value of the sample from the diagnostic RT-PCR test.	21	1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	assay target name 2	GENEPIO:0102038	The name of the assay target used in the diagnostic RT-PCR test.	The specific genomic region, sequence, or variant targeted by the assay in a diagnostic test. This may include parts of a gene, non-coding regions, or other genetic elements that serve as a marker for detecting the presence of a pathogen		7.5.5	7.5.5	7.5.5
		OENEDIO 0400040	, ,	Provide details that are applicable to the assay used for the		7.5.5	7.5.5	7.5.5
Pathogen diagnostic testing	assay target details 2	GENEPIO:0102046	Describe any details of the assay target.	diagnostic test. Select the name of the gene used for the diagnostic PCR			7.5.5	
Pathogen diagnostic testing	gene name 2	GENEPIO:0001510	The name of the gene used in the diagnostic RT-PCR test.	from the standardized pick list. Select the abbreviated representation or standardized	OVP (orf 17L)	1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	gene symbol 2	GENEPIO:0102042	The gene symbol used in the diagnostic RT-PCR test.	symbol of the gene used in the diagnostic test from the pick list. The assay target or specific primer region should be added to assay target name.	opg002 gene (MPOX)	7.5.5	7.5.5	7.5.5
Pathogen diagnostic testing	diagnostic per protocol 2	GENEPIO:0001511	The name and version number of the protocol used for diagnostic marker amplification.	The name and version number of the protocol used for carrying out a diagnostic PCR test. This information can be compared to sequence data for evaluation of performance and quality control.		1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	diagnostic pcr Ct value 2	GENEPIO:0001512	The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.	Provide the CT value of the sample from the second diagnostic RT-PCR test.	36	1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	assay tarqet name 3	GENEPIO:0102039	The name of the assay target used in the diagnostic RT-PCR test.	The specific genomic region, sequence, or variant targeted by the assay in a diagnostic test. This may include parts of a gene, non-coding regions, or other genetic elements that serve as a marker for detecting the presence of a pathogen		7.5.5	7.5.5	7.5.5
	, ,		, ,	Provide details that are applicable to the assay used for the				
Pathogen diagnostic testing	assay target details 3	GENEPIO:0102047	Describe any details of the assay target.	diagnostic test. Select the name of the gene used for the diagnostic PCR		7.5.5	7.5.5	7.5.5
Pathogen diagnostic testing	gene name 3	GENEPIO:0001513	The name of the gene used in the diagnostic RT-PCR test.	from the standardized pick list.	OPHA (orf B2R)	1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	gene symbol 3	GENEPIO:0102043	The gene symbol used in the diagnostic RT-PCR test.	Select the abbreviated representation or standardized symbol of the gene used in the diagnostic test from the pick list. The assay target or specific primer region should be added to assay target name.	opg188 gene (MPOX)	7.5.5	7.5.5	7.5.5
Pathogen diagnostic testing	diagnostic per protocol 3	GENEPIO:0001514	The name and version number of the protocol used for diagnostic marker amplification.	The name and version number of the protocol used for carrying out a diagnostic PCR test. This information can be compared to sequence data for evaluation of performance and quality control.	G2R_G (Li et al., 2010) assay	1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	diagnostic per Ct value 3	GENEPIO:0001515	The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.	Provide the CT value of the sample from the second diagnostic RT-PCR test.	19	1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	gene name 4	GENEPIO:0100576	The name of the gene used in the diagnostic RT-PCR test.	Select the name of the gene used for the diagnostic PCR from the standardized pick list.	G2R_G (TNFR)	1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	diagnostic pcr Ct value 4	GENEPIO:0100577	The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.	Provide the CT value of the sample from the second diagnostic RT-PCR test.	27	1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	gene name 5	GENEPIO:0100578	The name of the gene used in the diagnostic RT-PCR test.	Select the name of the gene used for the diagnostic PCR from the standardized pick list.	RNAse P	1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	diagnostic pcr Ct value 5	GENEPIO:0100579	The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.	Provide the CT value of the sample from the second diagnostic RT-PCR test.	30	1.0.0	1.0.0	1.0.0
	Contributor acknowledgement	GENEPIO:0001516	·					
Contributor acknowledgement	authors	GENEPIO:0001517	Names of individuals contributing to the processes of sample collection, sequence generation, analysis, and data submission.	Include the first and last names of all individuals that should be attributed, separated by a comma.	Tejinder Singh, Fei Hu, Joe Blogs	1.0.0	1.0.0	1.0.0
Contributor acknowledgement	DataHarmonizer provenance	GENEPIO:0001518	The DataHarmonizer software and template version provenance.	The current software and template version information will be automatically generated in this field after the user utilizes the "validate" function. This information will be generated regardless as to whether the row is valid of not.	DataHarmonizer v1.4.3. Moox v3.3.1	1.0.0	1.0.0	1.0.0