Parent Class	Field	Ontology Identifier	Definition	Guidance	Examples	Deprecated Label Deprecated ID	Version Tracking		
Parent Class		identifier	Definition	Guidance	Examples	IMPORTANT: Only labels and/or IDs will be	Label	ID	Description/Gui
	Colour Code Legend					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							
				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					
Database Identifiers	specimen collector sample ID	GENEPIO:0001123	The user-defined name for the sample.	make it concise, unique and consistent within your lab.	prov_mpox_1234		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.	Store the primary ID of the related specimen previously 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
	, , , , , , , , , , , , , , , , , , , ,			Provide the case identifer. The case ID greatly facilitates					
Database Identifiers	case ID	GENEPIO:0100281	The identifier used to specify an epidemiologically detected case of disease.	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	bioproject accession	GENEPIO:0001136	The INSDC accession number of the BioProject(s) to which the BioSample belongs.	Required if submission is linked to a BioProject. BioProject are an organizing toot that links together raw sequence data, assemblies, and their associated metadata. A valid BioProject accession has prefix PRJN, PRJE or PRJD, e.g., PRJNA1245 and is created once at the beginning of a new sequencing project. Your laboratory can have one or many BioProjects.			1.0.0	1.0.0	1.0.0
				Store the accession returned from the BioSample submission. NCBI BioSamples will have the prefix SAMN,					
Database Identifiers	biosample accession	GENEPIO:0001139	The identifier assigned to a BioSample in INSDC archives.  The Sequence Read Archive (SRA) identifier linking raw read	while ENA BioSamples will have the prefix SAMEA.	SAMN14180202		1.0.0	1.0.0	1.0.0
Database Identifiers	SRA accession	GENEPIO:0001142	data, methodological metadata and quality control metrics submitted to the INSDC.	Store the accession assigned to the submitted "run". NCBI-SRA accessions start with SRR.	SRR11177792		1.0.0	1.0.0	1.0.0
Database Identifiers	GenBank accession	GENEPIO:0001145	The GenBank identifier assigned to the sequence in the INSDC archives.	Store the accession returned from a GenBank submission (viral genome assembly).	MN908947.3		1.0.0	1.0.0	1.0.0
Database Identifiers	GISAID accession	GENEPIO:0001147	The GISAID accession number assigned to the sequence.	Store the accession returned from the GISAID submission.	EDI ISI 436480		1.0.0	1.0.0	1.0.0
Database identifiers	Sample collection and processing	GENEPIO:0001150	The Global accession number assigned to the sequence.	Store the accession returned from the Global Submission.	E11_10E_400409		1.0.0	1.0.0	1.0.0
Sample collection and processing	sample collected by	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 Centre 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
			The email address of the contact responsible for follow-up	The email address can represent a specific individual or lab			1	1	
Sample collection and processing	sample collector contact email	GENEPIO:0001156	regarding the sample.	e.g. johnnyblogs@lab.ca, or RespLab@lab.ca The mailing address should be in the format: Street number	RespLab@lab.ca 655 Lab St, Vancouver, British Columbia, V5N		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.	and name, City, Province/Territory, Postal Code, Country	2A2, Canada		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, month and day. If this date is considered identifiable information, it is acceptable to add jitter by adding or subtracting a calendar day (acceptable by GISAID). Alternatively, received date "may be used as a substitute. The date should be provided in ISO 8601 standard format "YYYY-MM-DIS".	2020-03-1	6	1.0.0	1.0.0	1.0.0
				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",					
Sample collection and processing	sample collection date precision	GENEPIO:0001177	The precision to which the "sample collection date" was provided.	"month" for "YYYY-MM", or "year" for "YYYY".	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".  Provide the country name from the controlled vocabulary	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.	provided.  Provide the province/territory name from the controlled	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.	vocabulary provided.	Saskatchewan		1.0.0	1.0.0	1.0.0
Sample collection and processing	organism	GENEPIO:0001191	Taxonomic name of the organism.	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 changed (2022).	Mpox virus		1.0.0	1.0.0	1.0.0
Sample collection and processing	isolate	GENEPIO:0001195	Identifier of the specific isolate.	Provide the GISAID EpiPox virus name, which should be written in the format "hMpxV/Canada/2 digit provincial ISO 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
Sample collection and processing	purpose of sampling	GENEPIO:0001198	The reason that the sample was collected.	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 sequencing" field.	Diagnostic testing		1.0.0	1.0.0	1.0.0

			The vaccination status of the host (fully vaccinated, partially					
	Host vaccination information	GENEPIO:0001403						
Host Information	antiviral therapy	GENEPIO:0100580	replication in infected cells without impairing the host cell function.		infection	1.0.0	1.0.0	1.0.0
			Treatment of viral infections with agents that prevent viral	Provide details of all current antiviral treatment during the current Monkeypox infection period. Consult with the data	Tecovirimat used to treat current Monkeypox infection; AZT administered for concurrent HIV			
Host Information	complications	GENEPIO:0001402	Patient medical complications that are believed to have occurred as a result of host disease.		Delayed wound healing (lesion healing)	1.0.0	1.0.0	1.0.0
Host Information	pre-existing conditions and risk factors	GENEPIO:0001401	risk of disease or infection.	term is missing, contact the curation team.  Select all of the complications experienced by the host from		1.0.0	1.0.0	1.0.0
			Patient pre-existing conditions and risk factors. <a>Ii&gt;Pre-existing</a> condition: A medical condition that existed prior to the current infection. <a>Ii&gt;Risk Factor: A variable associated with an increased</a>	Select all of the pre-existing conditions and risk factors experienced by the host from the pick list. If the desired				
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.	Lesion (Pustule), Swollen Lymph Nodes, Myalgia (muscle pain)	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".	2022-05-25	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 provided in the template.	Quebec	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.	Select the country name from pick list provided in the template.	Canada	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	1.0.0
Host Information	host age bin	GENEPIO:0001394	The age category of the host at the time of sampling.	host's age cannot be specified due to provacy concerns, an	50 - 59	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	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.  If known, provide the age units used to measure the host's	79	1.0.0	1.0.0	1.0.0
Host Information	host disease	GENEPIO:0001391	The name of the disease experienced by the host.	"Monkeypox" but the international nomenclature has changed (2022).	Мрох	1.0.0	1.0.0	1.0.0
				Select "Mpox" from the pick list provided in the template. Note: the Mpox disease was formerly referred to as				
Host Information Host Information	host health status details host health outcome	GENEPIO:0001389 GENEPIO:0001389	host at time of collection.  Disease outcome in the host.	the template.  If known, select a value from the pick list.	Hospitalized Recovered	1.0.0	1.0.0	1.0.0
			Further details pertaining to the health or disease status of the	If known, select a descriptor from the pick list provided in	, ,			
Host Information Host Information	host (scientific name) host health state	GENEPIO:0001387 GENEPIO:0001388	The taxonomic, or scientific name of the host.  Health status of the host at the time of sample collection.	applicable  If known, select a value from the pick list.	Homo sapiens Asymptomatic	1.0.0	1.0.0	1.0.0
				Common name or scientific name are required if there was a host. Both can be provided, if known. Use terms from the pick lists in the template. Scientific name e.g. Homo sapiens, if the sample was environmental, put "not				
Host Information	host (common name)	GENEPIO:0001386	The commonly used name of the host.	Common name or scientific name are required if there was a host. Both can be provided, if known. Use terms from the pick lists in the template. Common name e.g. human.	Human	1.0.0	1.0.0	1.0.0
	Host Information	GENEPIO:0001268						
Sample collection and processing	specimen processing details	GENEPIO:0100311	Detailed information regarding the processing applied to a sample during or after receiving the sample.	Provide a free text description of any processing details applied to a sample.	5 swabs from different body sites 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	specimen processing	GENEPIO:0001253	Any processing applied to the sample during or after receiving the sample.	Critical for interpreting data. Select all the applicable processes from the pick list. If virus was passaged, include information in "lab host", "passage number", and "passage method" fields. If none of the processes in the pick list apply, put 'not applicable'.	Specimens pooled	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. phlebotamy, necropsy.	Provide a descriptor if a collection method was used for sampling. Use the picklist provided in the template. If a desired term is missing from the picklist, contact erma_griffithe@fut.ea. If not applicable, do not leave blank. Choose a null value.	Biopsy	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.		Swab	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.	,	Pus	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.		Genital area	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.	Provide a descriptor if an anatomical material was sampled. Use the picklist provided in the template. If a desired term is missing from the picklist, contact emma_griffiths@sfu.ca. If not applicable, do not leave blank. Choose a null value.	Lesion (Pustule)	1.0.0	1.0.0	1.0.0
Sample collection and processing	Related specimen relationship type	GENEPIO:0001209	The relationship of the current specimen to the specimen/sample previously submitted to the repository.	Provide the tag that describes how the previous sample is related to the current sample being submitted from the pick list provided, so that the samples can be linked and tracked in the system.	Previously Submitted	1.0.0	1.0.0	1.0.0
Sample collection and processing	NML submitted specimen type	GENEPIO:0001204	The type of specimen submitted to the National Microbiology Laboratory (NML) for testing.	This information is required for upload through the CNPHI LaSER system. Select the specimen type from the pick list provided. If sequence data is being submitted rather than a specimen for testing, select "Not Applicable".	Nucleic Acid	1.0.0	1.0.0	1.0.0
Sample collection and processing	purpose of sampling details	GENEPIO:0001200	The description of why the sample was collected, providing specific details.	collected using free text. The description may include the importance of the sample for a particular public health investigation/surveillance activity/research question. If details are not available, provide a null value.	Symptomology and history suggested Monkeypox diagnosis.	1.0.0	1.0.0	1.0.0

		OFNEDIO 0004400		Record how many doses of the vaccine the host has					
Host vaccination information	number of vaccine doses received	GENEPIO:0001406	The number of doses of the vaccine recived by the host.  The name of the vaccine administered as the first dose of a	received.  Provide the name and the corresponding manufacturer of	1	1.0.	.0	1.0.0	1.0.0
Host vaccination information	vaccination dose 1 vaccine name	GENEPIO:0100313	vaccine regimen.	the Smallpox vaccine administered as the first dose.	IMVAMUNE (Bavarian Nordic)	1.0.	.0 1	1.0.0	1.0.0
Host vaccination information	vaccination dose 1 vaccination date	GENEPIO:0100314	The date the first dose of a vaccine was administered.	Provide the date the first dose of Smallpox vaccine was administered. The date should be provided in ISO 8601 standard format "YYYY-MM-DD".	2022-06-01	1.0.	0 .	1.0.0	1.0.0
nost vaccination information	vaccination dose i vaccination date	GENEPIO:0100314	A description of the vaccines received and the administration	Free text description of the dates and vaccines administered against a particular disease/set of diseases. It is also acceptable to concatenate the individual dose		1.0.	.0	1.0.0	1.0.0
lost vaccination information	vaccination history	GENEPIO:0100321	dates of a series of vaccinations against a specific disease or a set of diseases.	information (vaccine name, vaccination date) separated by semicolons.	IMVAMUNE (Bavarian Nordic); 2022-06-01	1.0.	.0 1	1.0.0	1.0.0
		05115510 0001100							
	Host exposure information	GENEPIO:0001409	The country where the host was likely exposed to the causative	Select the country name from the pick list provided in the					
Host exposure information	location of exposure geo_loc name (country)	GENEPIO:0001410	agent of the illness.  The country where the host was likely exposed to the causative	template.	Canada	1.0.	.0 1	1.0.0	1.0.0
Host exposure information	location of exposure geo_loc name (country)	GENEPIO:0001410	agent of the illness.	Select the country name from the pick list provided in the template.	Canada [GAZ:00002560]	1.0.	.0 1	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.	Provide the name of the city that the host travelled to. Use this look-up service to identify the standardized term: https://www.ebi.ac.uk/ols/ontologies/gaz	New York City	1.0.	.0 1	1.0.0	1.0.0
Host exposure information	destination of most recent travel (state/province/territory)	GENEPIO:0001412	The name of the state/province/territory that was the destination or most recent travel.	f Select the province name from the pick list provided in the template.		1.0.	0	1.0.0	1.0.0
lost exposure information	destination of most recent dayer (state/province/termory)	OEI4E1 10.0001412		Provide the name of the state/province/territory that the		130.	.0	1.0.0	1.0.0
Host exposure information	destination of most recent travel (state/province/territory)	GENEPIO:0001412	The name of the state/province/territory that was the destination or most recent travel.  The name of the country that was the destination of most recent	f host travelled to. Use this look-up service to identify the standardized term: https://www.ebi.ac.uk/ols/ontologies/gaz Select the country name from the pick list provided in the	California	1.0.	.0 1	1.0.0	1.0.0
Host exposure information	destination of most recent travel (country)	GENEPIO:0001413	travel.	template.	Canada	1.0.	.0 1	1.0.0	1.0.0
Host exposure information	destination of most recent travel (country)	GENEPIO:0001413	The name of the country that was the destination of most recent travel.	Select the country name from the pick list provided in the template.	United Kingdom [GAZ:00002637]	1.0.	.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.  The date of a person's most recent return to some residence from	Provide the travel departure date.	2020-03-16	1.0.	.0 1	1.0.0	1.0.0
Host exposure information	most recent travel return date	GENEPIO:0001415	a journey originating at that residence.	Provide the travel return date.	2020-04-26	1.0.	.0 1	1.0.0	1.0.0
Host exposure information	travel history	GENEPIO:0001416	Travel history in last six months.	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 travel events with a semi-colon. List most recent travel first.	Canada, Vancouver: USA, Seattle: Italy, Milan	1.0.	.0 1	1.0.0	1.0.0
'	,		,	Select an exposure event from the pick list provided in the					
Host exposure information	exposure event	GENEPIO:0001417	Event leading to exposure.	template. If the desired term is missing, contact the DataHarmonizer curation team.  Select an exposure event from the pick list provided in the	Party	1.0.	.0 1	1.0.0	1.0.0
		05115010 0004447		template. If the desired term is missing, contact the	D				
Host exposure information	exposure event exposure contact level	GENEPIO:0001417 GENEPIO:0001418	Event leading to exposure.  The exposure transmission contact type.	DataHarmonizer curation team.  Select exposure contact level from the pick-list.	Party [PCO:0000035] Contact with infected individual	1.0.		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 [GENEPIO:0100357]	1.0.		1.0.0	1.0.0
lost exposure information	exposure contact level	GENET 10.0001410	The exposure transmission contact type.	Select the host's personal role(s) from the pick list provided	[GENETIO: STOOSSY]	130.	.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	1.0.	.0 1	1.0.0	1.0.0
Host exposure information	host role	GENEPIO:0001419	The role of the host in relation to the exposure setting.	Select the host's personal role(s) from the pick list provided in the template. If the desired term is missing, contact the DataHarmonizer curation team.	Acquaintance of case [GENEPIO:0100266]	1.0.	.0	1.0.0	1.0.0
				Select the host exposure setting(s) from the pick list					
Host exposure information	exposure setting	GENEPIO:0001428	The setting leading to exposure.	provided in the template. If a desired term is missing, contact the DataHarmonizer curation team.	Healthcare Setting	1.0.	.0 1	1.0.0	1.0.0
Host exposure information	exposure setting	GENEPIO:0001428	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 DataHarmonizer curation team.	Healthcare Setting [GENEPIO:0100201]	1.0.		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	1.0.0	1.0.0
	Host reinfection information	GENEPIO:0001434		If known, provide information about whether the individual					
		OENEDIO 040		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.  If known, provide information about whether the individual	Prior infection	1.0.	.U 1	1.0.0	1.0.0
lost 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 1	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	1.0.0	1.0.0
			The absence or presence of antiviral treatment for a prior Mpox	If known, provide information about whether the individual had a previous Mpox antiviral treatment. Select a value					
Host reinfection information	prior Mpox antiviral treatment	GENEPIO:0100534	infection.  The absence or presence of antiviral treatment for a prior Moox	from the pick list.  If known, provide information about whether the individual had a previous Mpox antiviral treatment. Select a value	Prior antiviral treatment	1.0.	.0 1	1.0.0	1.0.0
Host reinfection information	prior Mpox antiviral treatment	GENEPIO:0100534	infection.	from the pick list.  Provide a description of any antiviral treatment	Prior antiviral treatment [GENEPIO:0100037]	1.0.	.0 1	1.0.0	1.0.0
Host reinfection information	prior antiviral treatment during prior Mpox infection	GENEPIO:0100535	Antiviral treatment for any infection during the prior Mpox infection period.	administered for viral infections (not including Mpox	AZT was administered for HIV infection during the prior Mpox infection.	1.0.	.0 1	1.0.0	1.0.0

	Sequencing	GENEPIO:0001441						
Sequence information	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	1.0.0	1.0.0	1.0.0
Sequence information	sequencing project name	GENEPIO:0100472	was periormed.	The name of the agency should be written out in full, (with	MPOX-1356	1.0.0	1.0.0	1.0.0
				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	Public Health Ontario (PHO)	1.0.0	1.0.0	1.0.0
Sequencing	sequenced by	GENEPIO:0100416	The name of the agency that generated the sequence.	minor exceptions) and be consistent across multiple submissions.	Public Health Ontario (PHO)	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
•			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 prefereable to provide a job title for ensuring accuracy of information and institutional memory.				
Sequence information	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	Enterics Lab Manager	1.0.0	1.0.0	1.0.0
Sequencing	sequenced by contact email	GENEPIO:0100422	regarding the sequence.	e.g. johnnyblogs@lab.ca, or RespLab@lab.ca	RespLab@lab.ca	1.0.0	1.0.0	1.0.0
Sequencing	sequenced by contact address	GENEPIO:0100423	The mailing address of the agency submitting the sequence.		1L6, Canada	1.0.0	1.0.0	1.0.0
Sequencing	sequence submitted by	GENEPIO:0001159	The name of the agency that submitted the sequence to a database.	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 Laboratory (MNL)".	Public Health Ontario (PHO)	1.0.0	1.0.0	1.0.0
Sequencing	sequence submitted by	GENEPIO:0001159	The name of the agency that submitted the sequence to a database.	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 Laboratory (MNL)".	Public Health Ontario (PHO)	1.0.0	1.0.0	1.0.0
			The email address of the agency responsible for submission of the	The email address can represent a specific individual or lab				
Sequencing	sequence submitter contact email	GENEPIO:0001165	sequence.  The mailing address of the agency responsible for submission of	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	1.0.0	1.0.0	1.0.0
Sequencing	sequence submitter contact address	GENEPIO:0001167	the sequence.	and name, City, Province/Territory, Postal Code, Country	1L6, Canada Select "Targeted surveillance (non-random	1.0.0	1.0.0	1.0.0
Sequencing	purpose of sequencing	GENEPIO:0001445	The reason that the sample was sequenced.	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.	sampling) if the specimen fits any of the following criteria: Specimens attributed to individuals with no known intimate contacts to positive cases. Specimens attributed to youth-ininors <18 yrs. Specimens attributed to youth-ininors <18 yrs. Specimens attributed to control or specimens in the liters or congregant settings. Specimens attributed to individuals self-identifying as "female". For specimens with a recent international and/or domestic travel history, please select the most Domestic travel surveillance; frared-associated surveillance; fror specimens argined for sequencing as part of an outbreak investigation, please select. Cluster/Outbreak investigation, in all other cases use. Baseline surveillance (random sampling).	1.0.0	1.0.0	1.0.0
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 as 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.	Baseline surveillance (random sampling) [GENEPIO:0100005]	1.0.0	1.0.0	1.0.0
Sequencing	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: Screened due to travel history, Screened due to close contact with infected individual.	Outbreak in MSM community	1.0.0	1.0.0	1.0.0
Sequencing	sequencing date	GENEPIO:0001447 GENEPIO:0001447	The date the sample was sequenced.  The date the sample was sequenced.	ISO 8601 standard "YYYY-MM-DD". ISO 8601 standard "YYYY-MM-DD".	2020-06-22 2020-06-22	1.0.0	1.0.0	1.0.0
Sequencing	sequencing date	GENEPIO:0001447	·	The library name should be unique, and can be an	2020-06-22	1.0.0	1.0.0	1.0.0
Sequencing	library ID	GENEPIO:0001448	The user-specified identifier for the library prepared for sequencing.	autogenerated ID from your LIMS, or modification of the isolate ID.	XYZ_123345	1.0.0	1.0.0	1.0.0
Sequencing	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.  Example Guidance: Provide the name of the DNA or RNA	Nextera XT	1.0.0	1.0.0	1.0.0
Sequence information	sequencing assay type	GENEPIO:0100997	The overarching sequencing methodology that was used to determine the sequence of a biomaterial.	sequencing technology used in your study. If unsure refer to the protocol documentation, or provide a null value.	whole genome sequencing assay	1.0.0	1.0.0	1.0.0
Sequence information	sequencing assay type	GENEPIO:0100997	The overarching sequencing methodology that was used to determine the sequence of a biomaterial.	Example Guidance: Provide the name of the DNA or RNA sequencing technology used in your study. If unsure refer to the protocol documentation, or provide a null value.	whole genome sequencing assay [OBI:0002117]	1.0.0	1.0.0	1.0.0
Sequencing	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	1.0.0	1.0.0	1.0.0
	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 [GENEPIO:0100142]	100	100	100

				Flow cells can vary in terms of design, chemistry, capacity,				
			The version number of the flow cell used for generating sequence	etc. The version of the flow cell used to generate sequence data can affect sequence quantity and quality. Record the				
Sequence information	sequencing flow cell version	GENEPIO:0101102	data.	not include "version" or "v" in the version number.	R.9.4.1	1.0.0	1.0.0	1.0.0
				approach. Sequencing was performed using a <fill in=""> sequencing instrument. Libraries were prepared using <fill< td=""><td>Viral sequencing was performed following a metagenomic shotgun sequencing approach. Libraries were created using Illumina DNA Prep kits, and sequence data was produced using</td><td></td><td></td><td></td></fill<></fill>	Viral sequencing was performed following a metagenomic shotgun sequencing approach. Libraries were created using Illumina DNA Prep kits, and sequence data was produced using			
Sequencing	sequencing protocol	GENEPIO:0001454	The protocol used to generate the sequence.	in> library kit. "	Miseq Micro v2 (500 cycles) sequencing kits.	1.0.0	1.0.0	1.0.0
Sequencing	sequencing kit number	GENEPIO:0001455	The manufacturer's kit number.	Alphanumeric value.	AB456XYZ789	1.0.0	1.0.0	1.0.0
			The length of the DNA fragment generated by mechanical shearing or enzymatic digestion for the purposes of library	Provide the fragment length in base pairs (do not include				
Sequencing	DNA fragment length	GENEPIO:0100843	preparation.	the units).	400	1.0.0	1.0.0	1.0.0
Sequencing	genomic target enrichment method	GENEPIO:0100966	The molecular technique used to selectively capture and amplify	Provide the name of the enrichment method	hybrid selection method	1.0.0	1.0.0	1.0.0
Sequencing	genomic target enrichment method	GENEPIO:0100966	specific regions of interest from a genome.	Provide the name of the emicriment method	nybna selection metroa	1.0.0	1.0.0	1.0.0
Sequencing	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.	enrichment was done using Illumina Target Enrichment methodology with the Illumina DNA Prep with enrichment kit.	1.0.0	1.0.0	1.0.0
Sequencina	amplicon per 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.	MPXV Sunrise 3.1	1.0.0	1.0.0	1.0.0
Sequencing	amplicon size	GENEPIO:0001449	The length of the amplicon generated by PCR amplification.	Provide the amplicon size expressed in base pairs.	300bp	1.0.0	1.0.0	1.0.0
		0511771						
	Bioinformatics and QC metrics	GENEPIO:0001457		Providing the name of the method used for quality control is				
Bioinformatics and QC metrics	quality control method name	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 wery 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 provided.		1.0.0	1.0.0	1.0.0
				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				
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.	in the same order as the method names. Separate the version numbers using a semi-colon.	1.2.3	1.0.0	1.0.0	1.0.0
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	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	quality control determination	GENEPIO:0100559				1.0.0	1.0.0	1.0.0
			The reason contributing to, or causing, a low quality determination	Select a value from the pick list provided. If a desired value is missing, submit a new term request to the PHA4GE QC				
Bioinformatics and QC metrics	quality control issues	GENEPIO:0100560	in a quality control assessment.	Tag GitHub issuetracker using the New Term Request form.	low average genome coverage	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics  Bioinformatics and QC metrics	quality control issues quality control details	GENEPIO:0100560 GENEPIO:0100561	The details surrounding a low quality determination in a quality control assessment.	Provide notes or details regarding QC results using free text.	CT value of 39. Low viral load. Low DNA concentration after amplification.	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	raw sequence data processing method	GENEPIO:0001458	The names of the software and version number used for raw data processing such as removing barcodes, adapter trimming, filtering etc.	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
John Office and Go House	Tall sequence data processing method	SENE 10.0001100	The names of the software and version number used for raw data processing such as removing barcodes, adapter trimming, filtering		Torontop C.E.O	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	raw sequence data processing method	GENEPIO:0001458	etc. The method used to remove host reads from the pathogen	Trimmomatic v. 0.38, Porechop v. 0.2.3  Provide the name and version number of the software used	Porechop 0.2.3	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	dehosting method	GENEPIO:0001459	sequence. The method used to remove host reads from the pathogen	to remove host reads.  Provide the name and version number of the software used	Nanostripper	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	dehosting method	GENEPIO:0001459	sequence.  The method used to remove duplicated reads in a sequence read	to remove host reads.	Nanostripper	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	deduplication method	GENEPIO:0100831	dataset.	version, or a link to a tool or method.	DeDup 0.12.8	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	consensus sequence name	GENEPIO:0001460	The name of the consensus sequence.	Provide the name and version number of the consensus sequence.	mpxvassembly3	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	consensus sequence filename	GENEPIO:0001461	The name of the consensus sequence file.	Provide the name and version number of the consensus sequence FASTA file.	mpxvassembly.fasta	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	consensus sequence filepath	GENEPIO:0001462	The filepath of the consensus sequence file.	Provide the filepath of the consensus sequence FASTA file.	/User/Documents/ViralLab/Data/mpxvassembly. fasta	1.0.0	1.0.0	1.0.0
Bioinformatics 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
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	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	sequence assembly software name	GENEPIO:0100825	The name of the software used to assemble a sequence.	Provide the name of the software used to assemble the sequence.	SPAdes Genome Assembler, Canu, wtdbg2, velvet	1.0.0	1.0.0	1.0.0
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
Bioinformatics 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
Bioinformatics and QC metrics	r1 fasto 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	/User/Documents/ViralLab/Data/ABC123_S1_L 001_R1_001.fastq.qz	100	100	100
Bioinformatics and QC metrics	r2 fastq filepath	GENEPIO:0001479	The location of the r2 FASTQ file within a user's file system.	v	/User/Documents/ViralLab/Data/ABC123_S1_L 001_R2_001.fastq.gz	1.0.0	1.0.0	1.0.0
			,	Provide the FAST5 filename. This information aids in data				
Bioinformatics and QC metrics	fast5 filename	GENEPIO:0001480	The user-specified filename of the FAST5 file.	management.	mpxv123seq.fast5	1.0.0	1.0.0	1.0.0

Bioinformatics and QC metrics	fast5 filepath	GENEPIO:0001481	The location of the FAST5 file within a user's file system.	Provide the filepath for the FAST5 file. This information aids in data management.	ast5	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).	423867	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	Provide a numerical value (no need to include units)	248236	100	1.0.0	1.0.0
			The threshold used as a cut-off for the minimum length of a read					
ioinformatics and QC metrics	minimum post-trimming read length	GENEPIO:0100829	after trimming.  The average number of reads representing a given nucleotide in	Provide a numerical value (no need to include units).	150	1.0.0	1.0.0	
ioinformatics and QC metrics	depth of coverage value	GENEPIO:0001474	the reconstructed sequence.	Provide value as a fold of coverage.	400x	1.0.0	1.0.0	1.0.0
ioinformatics 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.	100x	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).	2639019	1.0.0	1.0.0	1.0.0
Bioinformatics and QC metrics	consensus genome length	GENEPIO:0001483	Size of the reconstructed genome described as the number of 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 contias	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
normancs and QC metrics	number of contigs	GENEFIO:0100937	The percentage of expected genes identified in the genome being		10	1.0.0	1.0.0	1.0.0
ioinformatics and QC metrics	genome completeness	GENEPIO:0100844	sequenced. Missing genes indicate missing genomic regions (incompleteness) in the data.	Provide the genome completeness as a percent (no need to include units).	85	1.0.0	1.0.0	1.0.0
ioinformatics 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.	150	1.0.0	1.0.0	1.0.0
ioinformatics 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	100	100	100
	i i		The number of ambiguous bases (Ns) normalized per 100	,	_			
ioinformatics and QC metrics	Ns per 100 kbp	GENEPIO:0001484	kilobasepairs (kbp).	Provide a numerical value (no need to include units).	342	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.  Further details regarding the methods used to process raw	NC_063383.1	1.0.0	1.0.0	1.0.0
				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				
ioinformatics and QC metrics	bioinformatics protocol	GENEPIO:0001489	A description of the overall bioinformatics strategy used.	GitHub link to a pipeline or workflow.	https://github.com/phac-nml/monkeypox-nf	1.0.0	1.0.0	1.0.0
				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.				
Bioinformatics and QC metrics	bioinformatics protocol	GENEPIO:0001489	A description of the overall bioinformatics strategy used.		https://github.com/phac-nml/monkeypox-nf	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.	provided in an SOP or protocol or pipeline/workflow. Provide the name and version number of the protocol, or a	https://github.com/phac-nml/monkeypox-nf	1.0.0	1.0.0	1.0.0
	Pathogen diagnostic testing	GENEPIO:0001506	A description of the overall bioinformatics strategy used.	provided in an SOP or protocol or pipeline/workflow. Provide the name and version number of the protocol, or a	https://github.com/phac-nml/monkeypox-nf			
	·	GENEPIO:0001506 GENEPIO:0101206		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.		1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing	Pathogen diagnostic testing	GENEPIO:0001506	A description of the overall bioinformatics strategy used.  The name of the gene used in the diagnostic RT-PCR test.	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.  Select the name of the gene used for the diagnostic PCR  from the standardized pick list.	https://github.com/phac-nml/monkeypox-nf  MPX (orf B6R)			1.0.0
Pathogen diagnostic testing	Pathogen diagnostic testing assay target name	GENEPIO:0001506 GENEPIO:0101206		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.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be		1.0.0	1.0.0	1.0.0
Pathogen diagnostic testing Pathogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1	GENEPIO:0001506 GENEPIO:0101206 GENEPIO:0001507	The name of the gene used in the diagnostic RT-PCR test.	provided in an SOP or protocol or pipeline/workflow. Provide the name and version number of the protocol, or a Gilt-lub link to a pipeline or workflow.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this lock-up service:	MPX (of B8R)	1.0.0	1.0.0	1.0.0
rathogen diagnostic testing tathogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1 gene name 1	GENEPIO:0001606 GENEPIO:0101206 GENEPIO:0001507 GENEPIO:0001507	The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.	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.  Select the name of the gene used for the diagnostic PCR from the standardized pick list. Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/2Sq1t.bl	MPX (orf B6R)  MPX (orf B6R)	1.00	1.0.0	1.0.0
Pathogen diagnostic testing  Pathogen diagnostic testing  Pathogen diagnostic testing  Pathogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1 gene name 1 diagnostic pcr Ct value 1	GENEPIO:0001606 GENEPIO:0101206 GENEPIO:0001507 GENEPIO:0001507 GENEPIO:0001509	The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.	provided in an SCP or protocol or pipeline/workflow. Provide the name and version number of the protocol, or a GitHub link to a pipeline or workflow.  Select the name of the gene used for the diagnostic PCR from the standardized pick list. Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/Sg1_tLbl Provide the CT value of the sample from the diagnostic RT.PCR test.	MPX (orf B6R)  MPX (orf B6R)  21	1.00	1.0.0	10.0
Pathogen diagnostic testing  Pathogen diagnostic testing  Pathogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1 gene name 1	GENEPIO:0001606 GENEPIO:0101206 GENEPIO:0001507 GENEPIO:0001507	The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.	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.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of the gene used in the test. The gene symbol (chert form of gene name) can also be predicted to the protocol pro	MPX (orf B6R)  MPX (orf B6R)	1.00	1.0.0	10.0
Pathogen diagnostic testing Pathogen diagnostic testing Pathogen diagnostic testing Pathogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1 gene name 1 diagnostic pcr Ct value 1	GENEPIO:0001606 GENEPIO:0101206 GENEPIO:0001507 GENEPIO:0001507 GENEPIO:0001509	The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.	provided in an SCP or protocol or pipeline/workflow. Provide the name and version number of the protocol, or a GitHub link to a pipeline or workflow.  Select the name of the gene used for the diagnostic PCR from the standardized pick list. Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/Sg1_tLbl Provide the CT value of the sample from the diagnostic RT.PCR test.	MPX (orf B6R)  MPX (orf B6R)  21	1.00	1.0.0	10.0
Pathogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1 gene name 1 diagnostic pcr Ct value 1	GENEPIO:0001606 GENEPIO:0101206 GENEPIO:0001507 GENEPIO:0001507 GENEPIO:0001509	The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.	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.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be cloud in the Gene Ontology using this look-up service: https://bit.lty/2Sq1Lbl  Provide the CT value of the sample from the diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of another gene used in an RT-PCR test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service:	MPX (orf B6R)  MPX (orf B6R)  21  OVP (orf 17L)	1.00	1.0.0	1.0.0
rathogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1  gene name 1  diagnostic pcr Ct value 1 gene name 2  gene name 2	GENEPIO:0001606 GENEPIO:0101206 GENEPIO:0001507 GENEPIO:0001507 GENEPIO:0001510 GENEPIO:0001510	The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.	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.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.tly/25q.tLb!  Provide the CT value of the sample from the diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the CT value of the sample from the diagnostic PCR from the standardized pick list.  Provide the Gull name of another gene used in an RT-PCR test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/25q.tLb!	MPX (orf B6R)  MPX (orf B6R)  21  OVP (orf 17L)  OVP (orf 17L)	1.00 1.00 1.00 1.00	1.0.0	10.0
rathogen diagnostic testing tathogen diagnostic testing tathogen diagnostic testing rathogen diagnostic testing rathogen diagnostic testing rathogen diagnostic testing tathogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1  gene name 1  diagnostic pcr Ct value 1 gene name 2  diagnostic pcr Ct value 2	GENEPIO:0001606 GENEPIO:0101206 GENEPIO:0001507 GENEPIO:0001507 GENEPIO:0001509 GENEPIO:0001510 GENEPIO:0001510	The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.	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.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/2Sq.1Lbl Provide the CT value of the sample from the diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the CT value of the sample from the name) can also be provided. Standardized pick list.  Provide the Gene Ontology using this look-up service: https://bit.ly/2Sq.1Lbl Provide the Gene Ontology using this look-up service: https://bit.ly/2Sq.1Lbl Provide the CT value of the sample from the second diagnostic RT-PCR test.	MPX (orf B6R)  MPX (orf B6R)  21  OVP (orf 17L)  OVP (orf 17L)  36	1.00 1.00 1.00 1.00 1.00	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0
Pathogen diagnostic testing Pathogen diagnostic testing Pathogen diagnostic testing Pathogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1  gene name 1  diagnostic pcr Ct value 1 gene name 2  gene name 2	GENEPIO:0001606 GENEPIO:0101206 GENEPIO:0001507 GENEPIO:0001507 GENEPIO:0001510 GENEPIO:0001510	The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.	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.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/2Sq1t.bl  Provide the CT value of the sample from the diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the Gene Ontology using this look-up service: https://bit.ly/2Sq1t.bl  Provide the full name of another gene used in an RT-PCR test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/2Sq1t.bl  Provide the CT value of the sample from the second diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.	MPX (orf B6R)  MPX (orf B6R)  21  OVP (orf 17L)  OVP (orf 17L)	1.00 1.00 1.00 1.00	1.0.0	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0
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athogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1  gene name 1  diagnostic pcr Ct value 1 gene name 2  diagnostic pcr Ct value 2	GENEPIO:0001606 GENEPIO:0101206 GENEPIO:0001507 GENEPIO:0001507 GENEPIO:0001509 GENEPIO:0001510 GENEPIO:0001510	The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.	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.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Orlodgy using this look-up service: https://bit.lyzSq 1Lbl  Provide the CT value of the sample from the diagnostic PCR from the standardized pick list.  Select the name of the gene used for the diagnostic PCR from the standardized gene names and symbols can be found in the Gene Orlodgy using this look-up service: https://bit.lyzSq Lbl  Provide the full name of another gene used in an RT-PCR est. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.lyzSq Lbl  Provide the CT value of the sample from the second diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of another gene used in an RT-PCR work the full name of another gene used in an RT-PCR row the standardized pick list.	MPX (orf B6R)  MPX (orf B6R)  21  OVP (orf 17L)  OVP (orf 17L)  36	1.00 1.00 1.00 1.00 1.00	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0
athogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1  gene name 1  diagnostic por Ct value 1 gene name 2  gene name 2  diagnostic por Ct value 2 gene name 3	GENEPIO:0001606 GENEPIO:0101206 GENEPIO:0001507 GENEPIO:0001507 GENEPIO:0001509 GENEPIO:0001510 GENEPIO:0001512 GENEPIO:0001513	The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.	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.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Blandardized gene names and symbols can be found to the provided blandardized gene names and symbols can be found to the provided blandardized gene names and symbols can be found to the provided blandardized gene names and symbols can be found to the provided blandardized gene names and symbols can be found to the provided blandardized gene names and symbols can be found to the full name of another gene used in an RT-PCR test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/2Sq1Lbl Provide the CT value of the sample from the second diagnostic RT-PCR test.  Provide the full name of another gene used in an RT-PCR test and article pick list.  Provide the full name of another gene used in an RT-PCR test.  Provide the Gene Ontology using this look-up service: https://bit.ly/2Sq1Lbl Provided the Gene Ontology using this look-up service: https://bit.ly/2Sq1Lbl Provided the Gene Ontology using this look-up service: https://bit.ly/2Sq1Lbl Provided the Gene Ontology using this look-up service: https://bit.ly/2Sq1Lbl Provide the Gene Ontology using this look-up service: https://bit.ly/2Sq1Lbl Provide the Gene Ontology using this look-up service: https://bit.ly/2Sq1Lbl Provide the Gene Ontology using this look-up service: https://bit.ly/2Sq1Lbl Provide the Gene Ontology using this look-up service: https://bit.ly/2Sq1Lbl Provide the Gene Ontology using this look-up service: https://bit.ly/2Sq1Lbl	MPX (orf B6R)  MPX (orf B6R)  21  OVP (orf 17L)  OVP (orf 17L)  36  OPHA (orf B2R)	1.00 1.00 1.00 1.00 1.00 1.00	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0
athogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1  gene name 1  diagnostic per Ct value 1 gene name 2  gene name 2  diagnostic per Ct value 2 gene name 3  diagnostic per Ct value 3	GENEPIO:0001606 GENEPIO:001101206 GENEPIO:0001507 GENEPIO:0001507 GENEPIO:0001509 GENEPIO:0001510 GENEPIO:0001512 GENEPIO:0001513 GENEPIO:0001513 GENEPIO:0001513	The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.	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.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be TR-PCR test.  Frovide the CT value of the sample from the diagnostic PCR from the standardized pick list.  Provide the full name of another gene used in an RT-PCR test. The gene symbol (short from of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/2Sq1t.bl  Provide the CT value of the sample from the second diagnostic RT-PCR test.  Provide the full name of another gene used in an RT-PCR test. The gene of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of another gene used in an RT-PCR test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/2Sq1t.bl  Provide the CT value of the sample from the second diagnostic RT-PCR test.  The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/2Sq1t.bl  Provide the CT value of the sample from the second diagnostic RT-PCR test.	MPX (orf B6R)  MPX (orf B6R)  21  OVP (orf 17L)  OVP (orf 17L)  36  OPHA (orf B2R)  OPHA (orf B2R)	1.00 1.00 1.00 1.00 1.00 1.00	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0
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athogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1  gene name 1  diagnostic per Ct value 1 gene name 2  gene name 2  diagnostic per Ct value 2 gene name 3  diagnostic per Ct value 3	GENEPIO:0001606 GENEPIO:001101206 GENEPIO:0001507 GENEPIO:0001507 GENEPIO:0001509 GENEPIO:0001510 GENEPIO:0001512 GENEPIO:0001513 GENEPIO:0001513 GENEPIO:0001513	The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.	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.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/2Sq1t.bl  Provide the CIT value of the sample from the diagnostic PCR from the standardized pick list.  RT-PCR test.  Select the name of the gene used in an RT-PCR test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/2Sq1t.bl  Provide the CIT value of the sample from the second diagnostic PCR from the standardized pick list.  Provide the CIT value of the sample from the second diagnostic PCR from the standardized pick list.  Provide the CIT value of the sample from the second diagnostic PCR from the standardized pick list.  Provide the CIT value of the sample from the second diagnostic RT-PCR test.  Teroides the full name of another gene used in an RT-PCR test. The gene symbol can be found in the Gene Ontology using this look-up service: https://bit.ly/2Sq1t.bl  Provided the CIT value of the sample from the second diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the CIT value of the sample from the second diagnostic RT-PCR test.	MPX (orf B6R)  MPX (orf B6R)  21  OVP (orf 17L)  OVP (orf 17L)  36  OPHA (orf B2R)  OPHA (orf B2R)	1.00 1.00 1.00 1.00 1.00 1.00	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0
athogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1  gene name 1  diagnostic per Ct value 1 gene name 2  diagnostic per Ct value 2 gene name 3  gene name 3  diagnostic per Ct value 3 gene name 4	GENEPIO:0001606 GENEPIO:0001606 GENEPIO:0001507 GENEPIO:0001507 GENEPIO:0001509 GENEPIO:0001510 GENEPIO:0001512 GENEPIO:0001513 GENEPIO:0001513 GENEPIO:0001515 GENEPIO:0001515 GENEPIO:0001515	The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.	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.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/2Sq1t.bl  Provide the CIT value of the sample from the diagnostic PCR from the standardized pick list.  RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the CIT value of the sample from the seanch of the provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/2Sq1t.bl  Provide the CIT value of the sample from the second diagnostic PCR from the standardized pick list.  Provide the CIT value of the sample from the second diagnostic PCR from the standardized pick list.  Provide the CIT value of the sample from the second diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the CIT value of the sample from the second diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the CIT value of the sample from the second diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the CIT value of the sample from the second diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.	MPX (orf B6R)  MPX (orf B6R)  21  OVP (orf 17L)  OVP (orf 17L)  36  OPHA (orf B2R)  OPHA (orf B2R)  19  G2R_G (TNFR)	1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0
athogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1  gene name 1  diagnostic pcr Ct value 1 gene name 2  gene name 2  diagnostic pcr Ct value 2 gene name 3  gene name 3  diagnostic pcr Ct value 3 gene name 4  diagnostic pcr Ct value 4	GENEPIO:0001606 GENEPIO:00110206 GENEPIO:0011507 GENEPIO:0001507 GENEPIO:0001509 GENEPIO:0001510 GENEPIO:0001512 GENEPIO:0001513 GENEPIO:0001513 GENEPIO:0001515 GENEPIO:0001515 GENEPIO:0001515 GENEPIO:0001515	The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.	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.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this lock-up service: https://bit.ly/2Sq.1Lbl  Provide the CT value of the sample from the diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the CT value of the sample from the diagnostic RT-PCR test.  Provide the Gene Ontology using this lock-up service: https://bit.ly/2Sq.1Lbl  Provide the Gene Ontology using this lock-up service https://bit.ly/2Sq.1Lbl  Provide the Gene Ontology using this lock-up service https://bit.ly/2Sq.1Lbl  Provide the Gene Ontology using this lock-up service https://bit.ly/2Sq.1Lbl  Provide the CT value of the sample from the second diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the CT value of the sample from the second diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the CT value of the sample from the second diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.	MPX (orf B6R)  MPX (orf B6R)  21  OVP (orf 17L)  OVP (orf 17L)  36  OPHA (orf B2R)  OPHA (orf B2R)  19  G2R_G (TNFR)  27	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0
athogen diagnostic testing	Pathogen diagnostic testing assay target name gene name 1  gene name 1  diagnostic pcr Ct value 1 gene name 2  diagnostic pcr Ct value 2 gene name 3  gene name 3  diagnostic pcr Ct value 3 gene name 4  diagnostic pcr Ct value 4 gene name 5	GENEPIO:0001600 GENEPIO:0001600 GENEPIO:00101206 GENEPIO:0001507 GENEPIO:0001507 GENEPIO:0001509 GENEPIO:0001510 GENEPIO:0001512 GENEPIO:0001513 GENEPIO:0001513 GENEPIO:0001515 GENEPIO:0001517 GENEPIO:0001517 GENEPIO:0001518	The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The name of the gene used in the diagnostic RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.  The Ct value result from a diagnostic SARS-CoV-2 RT-PCR test.	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.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the full name of the gene used in the test. The gene symbol (short form of gene name) can also be provided. Standardized gene names and symbols can be found in the Gene Ontology using this look-up service: https://bit.ly/2Sq1t.bl  Provide the CT value of the sample from the diagnostic PCR from the standardized pick list.  Provide the full name of another gene used in an RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the Gene Ontology using this look-up service: https://bit.ly/2Sq1t.bl  Provide the Gene Ontology using this look-up service https://bit.ly/2Sq1t.bl  Provide the Gene Ontology using this look-up service https://bit.ly/2Sq1t.bl  Provide the CT value of the sample from the second diagnostic RT-PCR test. The gene symbol (short form of gene name) can also be provided. Standardized pick list.  Provide the CT value of the sample from the second diagnostic RT-PCR test. The gene symbol (short form of gene name) can also be provided. Standardized pick list.  Provide the CT value of the sample from the second diagnostic RT-PCR test.  Select the name of the gene used for the diagnostic PCR from the standardized pick list.  Provide the CT value of the sample from the second diagnostic RT-PCR test.  Provide the CT value of the sample from the second diagnostic RT-PCR test.  Provide the CT value of the sample from the second diagnostic RT-PCR test. The sample from the second diagnostic RT-PCR test. The sample from the second diagnostic RT-PCR test. Select the name of the gene used for the diagnostic PCR from the standardized pick list.	MPX (orf B6R)  MPX (orf B6R)  21  OVP (orf 17L)  OVP (orf 17L)  36  OPHA (orf B2R)  OPHA (orf B2R)  19  G2R_G (TNFR)  27  RNAse P	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0	1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0 1.0.0

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				utilizes the "validate" function. This information will be					
Contributor acknowledgement	DataHarmonizer provenance	GENEPIO:0001518	The DataHarmonizer software and template version provenance.	generated regardless as to whether the row is valid of not.	DataHarmonizer v1.4.3, Mpox v3.3.1		1.0.0	1.0.0	1.0.0