SARS-CoV-2 Drug Resistance Database
Data Dictionary

Mar 21, 2021

Result tables

Table name	Table definition	Field name	Field definition
treatments	Treatment information	ref_name	Manually assigned name (RefID, RefName) for this reference, usually formed by the surname of first author, two digits year and an optional serial letter for distinguishing studies published in the same year
		rx_name	Name of the treatment
rx_antibodies	Monoclonal antibodies treatment	ref_name	Manually assigned name (RefID, RefName) for this reference, usually formed by the surname of first author, two digits year and an optional serial letter for distinguishing studies published in the same year
		rx_name	Monoclonal antibodies names in reference, free text
		ab_name	Monoclonal antibodies names in lookup table
rx_conv_plasma	Convalescent plasma treatment	ref_name	Manually assigned name (RefID, RefName) for this reference, usually formed by the surname of first author, two digits year and an optional serial letter for distinguishing studies published in the same year
		rx_name	Convalescent plasma name, free text
		variant	Variant convalescent patiants were infected, default "Generic"
		cumulative_group	Cumulative group for cumulating results
rx_immu_plasma	Plasma from vaccinated persons	ref_name	Manually assigned name (RefID, RefName) for this reference, usually formed by the surname of first author, two digits year and an optional serial letter for distinguishing studies published in the same year

		rx_name	Name of plasma with vaccine information, free text
		vaccine_name	Vaccine name
		cumulative_group	Cumulative group for cumulating results
susc_results	Susceptibility/Resistance results	ref_name	Manually assigned name (RefID, RefName) for this reference, usually formed by the surname of first author, two digits year and an optional serial letter for distinguishing studies published in the same year
		rx_name	Name of the treatment
		control_strain_name	Strain used in control group
		strain_name	Strain used in experimental group
		ordinal_number	Ordinal number for the same ref/Rx/strain when multiple results are presented, default(1)
		section	The cited section in the reference; e.g. Figure 1, table 1 or page 1, para 4
		fold_cmp	Fold annotation, "=", ">", or "<", default "="
		fold	Fold change comparing to wild type
		resistance_level	Qualitative result when quantitative result (fold & fold_cmp) is not available
		ineffective	Treatment has no effect on control group, experimental group, or both, indicates if the results should be excluded
		cumulative_count	Cumulative count of aggregated results
		assay	Pseudovirus or live virus
		date_added	Date the result added in the database

invitro_selection_results	in vitro selected mutations	ref_name	Manually assigned name (RefID, RefName) for this reference, usually formed by the surname of first author, two digits year and an optional serial letter for distinguishing studies published in the same year
		rx_name	Name of the treatment
		gene	Gene of the mutation
		position	Position of the mutation
		amino_acid	Amino acid mutation
		section	The cited section in the reference; e.g. Figure 1, table 1 or page 1, para 4
		date_added	Date the result added in the database
invivo_selection_results	in vivo selected mutations	ref_name	Manually assigned name (RefID, RefName) for this reference, usually formed by the surname of first author, two digits year and an optional serial letter for distinguishing studies published in the same year
		rx_name	Name of the treatment
		strain_name	Invivo selected strains, or mutations
		patient	Case report or other
		sample	Duration of infection
		section	The cited section in the reference; e.g. Figure 1, table 1 or page 1, para 4
		date_added	Date the result added in the database

Lookup tables

Table name	Table definition	Field name	Field definition
articles	Referernce information	ref_name	Manually assigned name (RefID, RefName) for this reference, usually formed by the surname of first author, two digits year and an optional serial letter for distinguishing studies published in the same year
		doi	Digital Object Identifier (DOI) of a reference
		url	Web address of a reference; can be specified when DOI is not available
		first_author	First author name. Should formed by the surname, a comma and the initial of given names (no dots)
		year	Year of when this reference was published
		date_added	Date the reference added in database
		date_updated	Date the reference updated in database
article_notes	Reference notes and comments	ref_name	Manually assigned name (RefID, RefName) for this reference, usually formed by the surname of first author, two digits year and an optional serial letter for distinguishing studies published in the same year
		note	Notes and comments
antibodies	Monoclonal antibodies information	ab_name	Name of the monoclonal antibody
		pdb_id	PDB structure ID
		abbreviation_name	Abbreviation of the monoclonal antibody
		availabiliy	Availability of the antibody, EUA or clinical trials phases
		date_added	Date the monoclonal antibody added in database
		ab_name	Name of the monoclonal antibody

antibody_targets	Monoclonal antibodies category information	target	Target domain in SARS-CoV-2 Spike protein, NTD, RBD, etc.
		class	Class of monoclonal antibodies, RBM class I, RBM class II, RBD Core I, RBD Core II
		source	Source of category information
antibody_synonyms	Monoclonal antibodies' synonyms	ab_name	Name of the monoclonal antibody
		synonyms	Synonym of the antibody
virus_strains	Virus strains, variants, or mutations	strain_name	Strain, variant, or mutation name
		parent_strain_name	Parient strain name
		site_directed	Strain created by site-directed mutagenesis or not
		gisaid_id	GISAID isolate accession ID without the common prefix "EPI_ISL_"
		genbank_accn	Genbank accession number
		expandable	Expand spike mutations or not
strain_mutations	Detailed mutations of virus strains	strain_name	Strain, variant, or mutation name
		gene	Gene of mutations
		position	Positions of mutations
		amino_acid	Amino acid mutation