cell_type

PK	cell_type_id	BIGINT
	cell_type_name	VARCHAR(16)
	lineage	VARCHAR(8)

patient

PK	patient_id	BIGINT
	patient_code	VARCHAR(8)
	disease_id	BIGINT

disease

PK	disease_id	BIGINT
	disease_name	VARCHAR(128)
	category	VARCHAR(32)

sample

PK	sample_id	BIGINT
FK	patient_id	BIGINT NOT NULL
	tissue_source	VARCHAR(16) NOT NULL
	sample_type	VARCHAR(64)

sequencing_experiment

PK	seq_exp_id	BIGINT
FK	study_id	BIGINT NOT NULL
FK	sample_id	BIGINT NOT NULL
	coverage	DECIMAL

variants

PK	variant_id	BIGINT
	chrom	VARCHAR(8) NOT NULL
	pos	INT NOT NULL
	ref	VARCHAR(255)
	alt	VARCHAR(255)
	variant_origin	VARCHAR(32)

variant_disease_association

PK	variant_disease_assoc	BIGINT
FK	variant_id	BIGINT NOT NULL
FK	disease_id	BIGINT NULL
	assoc_type	VARCHAR(32)

sample_variant_call

PK	call_id	BIGINT
FK	cell_type_id	INT NOT NULL
FK	seq_exp_id	BIGINT NOT NULL
FK	variant_id	BIGINT NOT NULL
	vaf	DECIMAL(4,3)
	variant_origin	VARCHAR(32)

protein_domain

PK	domain_id	BIGINT
	domain_name	VARCHAR(16)
	domain_type	VARCHAR(25)

variant_annotation

PK	ann_id	BIGINT
FK	variant_id	BIGINT NOT NULL
FK	gene_id	BIGINT NULL
	consequence	VARCHAR(32) NOT NULL
	hgvsp	VARCHAR(64) NULL
FK	protein_domain_id	BIGINT

functional_validation

PK	validation_id	BIGINT
FK	variant_id	VARCHAR(128) NOT NULL
	assay_type	VARCHAR(64)
	result	VARCHAR(32)

variant_clonality

PK	clonality_id	BIGINT
FK	call_id	BIGINT NOT NULL
	clonality	VARCHAR(16) NOT NULL
	ccf	DECIMAL

genes

PK	gene_id	BIGINT
	gene_symbol	VARCHAR(32) NOT NULL

Comment