



Default Layout

Table bagseq_fragment		
* Pk	bagseq_fragment_id	bigint
	bagseq_library_id	bigint
Idx	barcode	varchar(100)
	contig_id	varchar(100)
	pos_from	integer
	pos_to	integer
Indexes		
Pk	new_fragment_pkey	bagseq_fragment_id
	fragment_barcode_idx	barcode, bagseq_fragment_id
Foreign Keys		
	fk_bagseq_fragment (bagseq_library_id) ref bagseq_library (bagseq_library_id)	

Table bagseq_gene_fragment_map		
	bagseq_fragment_id	bigint
	gene_id	bigint
Foreign Keys		
	fk_bagseq_gene_fragment_map_gene (gene_id) ref gene (gene_id)	
	fk_bagseq_gene_fragment_map_bagseq_fragment (bagseq_fragment_id) ref bagseq_fragment (bagseq_fragment_id)	

Table bagseq_library		
* Pk	bagseq_library_id	bigint
*	genome_id	bigint
*	host_genome_id	bigint
	fragment_count	integer
Indexes		
Pk	pk_bagseq_library_bagseq_library_id	bagseq_library_id
Foreign Keys		
	fk_bagseq_library_genome (genome_id) ref genome (genome_id)	
	fk_bagseq_library_genome_host (host_genome_id) ref genome (genome_id)	

Table barseq_experiment		
* Pk	barseq_experiment_id	bigint
*	bagseq_library_id	bigint
*	itnum	varchar(10)
	type	varchar(20)
	name	varchar(255)
Indexes		
Unq	unq_barseq_experiment_barseq_experiment_id	barseq_experiment_id
Pk	pk_barseq_experiment_barseq_experiment_id	barseq_experiment_id
Foreign Keys		
	fk_barseq_experiment_bagseq_library (bagseq_library_id) ref bagseq_library (bagseq_library_id)	

Table barseq_fragment_score		
* Pk	fscore_id	bigint
*	barseq_experiment_id	bigint
*	bagseq_fragment_id	bigint
	itnum	varchar(10)
	barcode	varchar(100)
	score	float8
Indexes		

Table barseq_fragment_score		
Pk	pk_barseq_fragment_score_fscore_id	fscore_id
Foreign Keys		
	fk_barseq_fragment_score_barseq_experiment (barseq_experiment_id) ref barseq_experiment (barseq_experiment_id)	
	fk_barseq_fragment_score_bagseq_fragment (bagseq_fragment_id) ref bagseq_fragment (bagseq_fragment_id)	

Table barseq_gene_score		
* Pk	gscore_id	bigint
*	gene_id	bigint
*	barseq_experiment_id	bigint
*	gene_name	varchar(10)
*	locus_tag	varchar(20)
	score_mean	float8
	score_cnnls	float8
	score_ridge	float8
	score_lasso	float8
	score_enet	float8
Indexes		
Pk	pk_barseq_gene_score_gscore_id	gscore_id
Foreign Keys		
	fk_barseq_gene_score_gene (gene_id) ref gene (gene_id)	
	fk_barseq_gene_score_barseq_experiment (barseq_experiment_id) ref barseq_experiment (barseq_experiment_id)	

Table gene		
* Pk	gene_id	bigint
*	genome_id	bigint
	gene_index	integer
	name	varchar(100)
	locus_tag	varchar(100)
	gene_type	varchar(100)
	contig_id	varchar(100)
	pos_from	integer
	pos_to	integer
	strand	char(1)
	product	varchar(1000)
	note	varchar(1000)
	description	varchar(1000)
Indexes		
Pk	pk_gene_gene_id	gene_id
Foreign Keys		
	fk_gene_genome (genome_id) ref genome (genome_id)	

Table genome		
* Pk	genome_id	bigint
*	name	varchar(100)
Indexes		
Pk	pk_genome_genome_id	genome_id