Physical model

Figure 2. Physical model describing a MySQL relational database containing Genbank data fields describing protein coding genes.
CDS = coding DNA sequence; acc_no = accession number; chrom_loc = chromosomal location; locus_seq = Genbank record DNA sequence; gene_id = name of gene feature; gene_span = gene sequence span; cds_span = CDS span; cds_map = list of CDS elements comprising CDS span; prot_name; PK = Primary Key; FK = Foreign Key
Sequence spans are expressed as a range of base numbers.

locus

PK	acc_num	VARCHAR
	chrom_loc	VARCHAR
	locus_seq	MEDIUMTEXT

gene

PK,FK	acc_num	VARCHAR
	gene_id	VARCHAR
	gene_span	VARCHAR

protein

| PK,FK | acc_num | VARCHAR |
| | prot_name | VARCHAR |

cds

PK,FK	acc_num	VARCHAR
	cds_span	VARCHAR
	cds_map	TEXT