TABLE	gb_main	
PK	**acc_num**	**VARCHAR(10)**
	chrom_loc	VARCHAR(20)
	gene_id	VARCHAR(10)
	prot_name	VARCHAR(50)
	locus_span	VARCHAR(15)
	gene_span	VARCHAR(15)
	cds_span	VARCHAR(15)
	start_cod	CHAR(8)

TABLE	gb_cds_map	
PK,FK	**acc_num**	**VARCHAR(10)**
	cds_map	TEXT

TABLE	gb_seq	
PK,FK	**acc_num**	**VARCHAR(10)**
	locus_seq	VARCHAR(255)

Figure 2. Physical model describing a MySQL relational database containing Genbank data fields for protein coding genes.

CDS = coding DNA sequence; acc_no = accession number; chrom_loc = chromosomal location; gene_id = name of gene feature; locus_seq = Genbank record DNA sequence; 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.