

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	MEDIUMTEXT

**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.