

# Spec for Protein domain query

## 1 Definition

This Beacon feature will allow for querying protein domains. This query will use name/aliases of protein domains that will be mapped from protein positions or genomic positions based on [Uniprot annotation file](#) for viral proteins.

Check to include these: TRS:orf1ab TRS:S TRS:ORF3a TRS:E TRS:M TRS:ORF6 TRS:ORF7a TRS:ORF8 TRS:N TRS:ORF10 Furin:S

## 2 Query specifications

## 3 Prerequisites

We could do one of two things: 1. Perform query by aminoacids, based on specific aminoacids in aminoacid field. Whether or not some of the queried region is found in aminoacid field. 2. Perform query by region. We would need a codon-aware converter to convert from aa positions to genomic positions to perform a query by region in beacon.

## 4 Implementation

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## 5 Response

Response will be same as that of a query by aminoacid