

# VBRC Base By Base: Switching between Mouse Modes

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## Abstract

### Viral Bioinformatic Resource Centre

- **Provide databases of viral genomic information.**
  - Please check the **Organisms** menu to see which viruses we support: we're now focusing on large DNA viruses
  - The VOCs (Virus Orthologous Clusters) database is at the heart of our system.
  - The database links directly to integrated tools for comparative analyses.
  - VOCs sorts genes into ortholog clusters (e.g. RNA polymerase) to simplify data retrieval.
- **Provide easy access to the genes, gene families, and genomes of the different virus families.**
  - via a unique series of powerful Java tools that support multiple computer platforms (see **VBRC Tools** menu).
  - design and build software to tackle specific bioinformatics/virology problems, often in collaboration with virologists.
- **Rally the research community to provide expert curation of these viral genomes by:**
  - Adding value to GenBank sequences through enhancing and updating genome annotations
  - Linking to research reviews/papers for the research community.
- **Collaborate with researchers to help on specific bioinformatics problems, e.g.**
  - Custom searches of the databases
  - Building new features into our tools
  - Help with genome annotation

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## Protocol

### Step 1.

BBB contains three different mouse modes: **Edit, Block Glue and Select.**

All three controlled by the *Toolbar* (the fourth, fifth, and sixth buttons from the left.)

It is important to keep these three modes straight as using the wrong one can be deleterious to your alignment!

## Step 2.

The **Edit** mode allows you to create gaps of any length (in the selected sequences) by clicking and dragging. **DO NOT MISTAKE THIS FOR SELECT MODE.**

## Step 3.

The **Block Glue** mode allows you to shrink or remove gaps (in the selected sequences) by clicking and dragging.

## Step 4.

The **Select** mode allows you to select regions within one or more sequences.