# EvolvR Web-app & R package

**Query protein** AccNum, Fasta

Molecular characterization of protein(s)

**Identify** homologs

Molecular characterization of homologs

#### **Domain Architectures**







#### **Genomic Contexts**



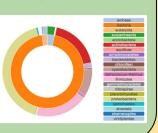


D3 Domain1 Domain2

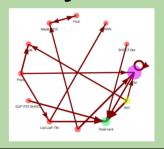
D4

## **Phyletic spread**





### **Proximity network**



## Structure-based sequence alignment Phylogenetic tree



