SUPPLEMENTARY FIGURE LEGENDS

Figure S1. ERD of SVDB.

Figure S2. Database contents and workflow of SVDB.
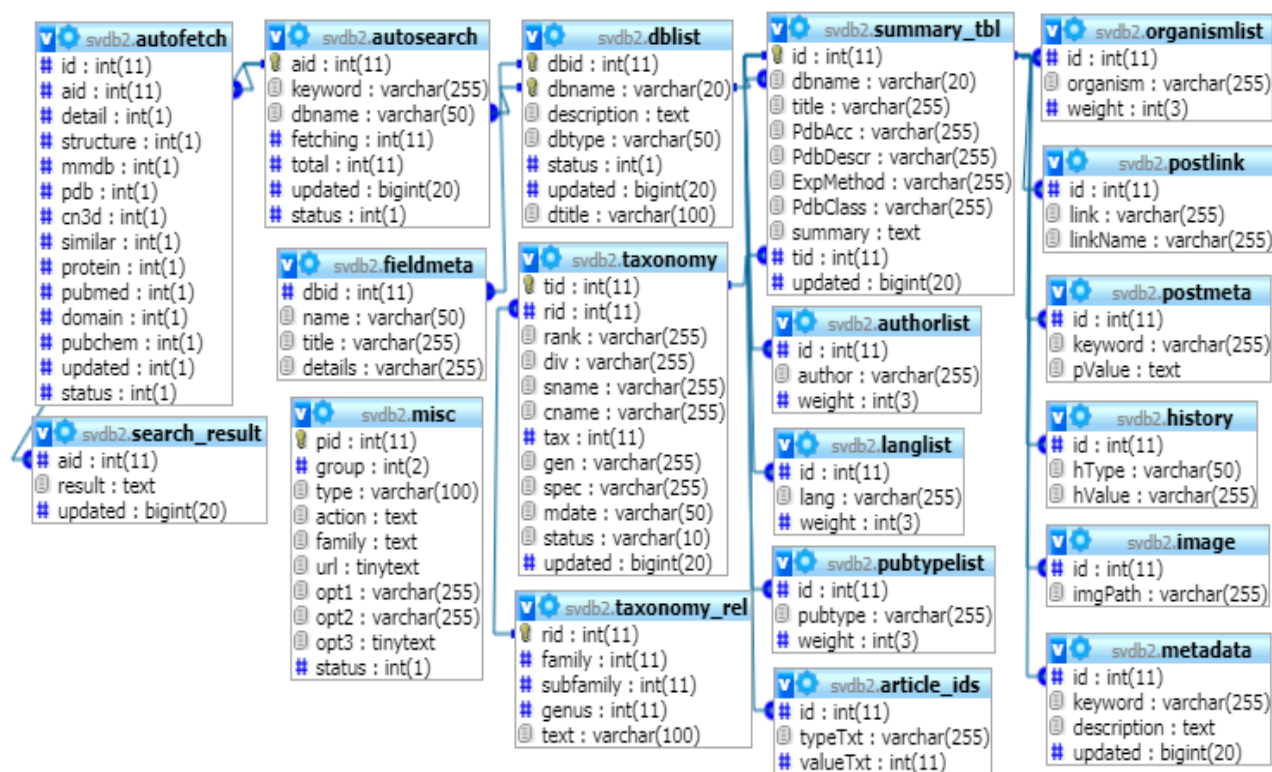
Supplementary Files

Figure S1: ERD of SVDB

Figure S2: Database contents and workflow of SVDB.

Databases of NCBI

DNA
- Nucleotide
- Gene
- Genome

RNA
- EST
- Refseq
- Homologene

Protein
- Protein
- Conserved domain
- PDB

SVDB

NCBI

Literature
- PubMed
- PubMed Health
- PMC

Structure
- 3D Protein Structure
- PubChem substance
- PubChem

Others
- Taxonomy
- GEO datasets
- BioSystems
- Popset

Search
- Snake
- venom
- Toxins
- Enzymes
- Toxicity
- Cardiotoxins
- Myotoxins
- Neurotoxins
- 3 Finger toxins
- Elapidae
- Viperadae
- UID

Query

Results

Nucleotide	253,310
Proteins	100,767
3D Structure	523
Genes	17,204
Literature	28,557

Detailed Information
- Literature
- Genomic sequence
- Transcriptome
- Proteome
- Taxonomy

Tools
- BLAST
- CLUSTALW
- PSIPRED
- SWISS-Model
- RADAR
- PROSITE
- Phylogeny
- KEGG
- Reactome
- SWISS PdbViewer
- Cn3D
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Analysis

Seq Alignment	Local Global
3D Structure prediction	Secondary Tertiary Visualisation
Phylogeny	Phylip
Motif	Consensus sequence
Interaction	Pathways PPI Biosystems

- Structure-function analysis
- Drug designing

Input Parameters	MySQL/PhP based backend	Result/Analysis