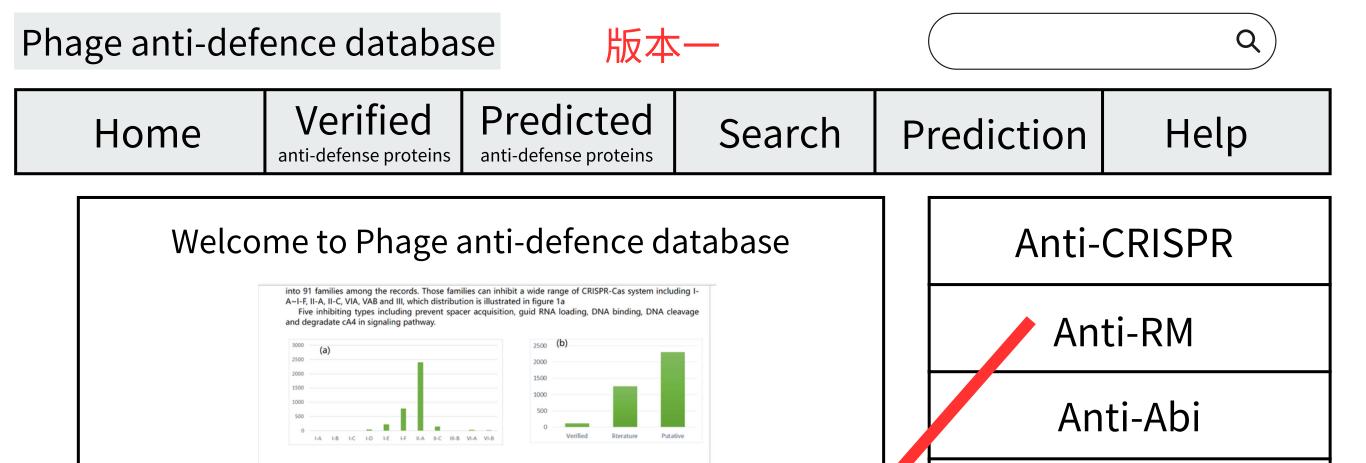
Phage anti-defence database



DNA binding

■ DNA cleavage
■ Guide RNA loadin
■ cA4
■ Spacer acquisition

According references, we divided the inhibitory strength into three levels: high, medium, low, Among them

43% Acr-Cas or Acrs-CRISPR-Cas pairs have high blocking strength. The remaining 57% pairs have medium and low records (a). There are five inhibitory mechanisms: inhibit DNA binding (70%), which is the majority part; inhibit DNA cleavage (22%); inhibit guide RNA loading (5%); other 3% including inhibit spacer acquisition and

inhibit cA4 signal pathway (b).

设置链接,点击可以进入各自的防御系统,展 示实验和预测的各种信息

Anti-Adsorption

inhibition

Other

Q

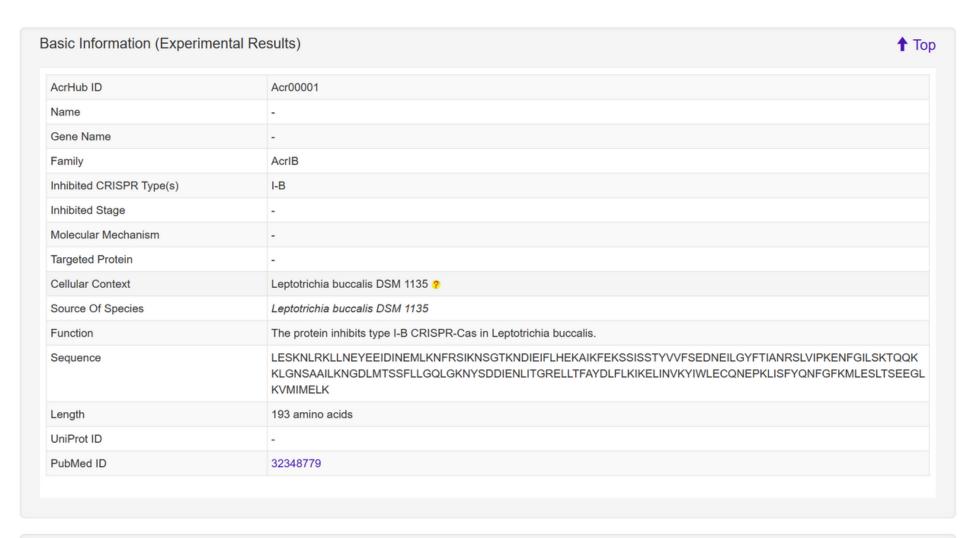
| Home | Verified anti-defense proteins | Predicted anti-defense proteins | Search | Prediction | Help |
|------|--------------------------------|---------------------------------|--------|------------|------|
|------|--------------------------------|---------------------------------|--------|------------|------|

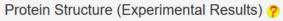
| System family | ID | protein | Inhibited Type | Phage | Host | Length | reference(s) |
|----------------------------------|---------|---------|-------------------|-------|------|--------|--------------|
| Anti-Preventing adsorption | APA0001 | | | | | | 文章链接 |
| Anti-Restriction-modification | ARM0001 | | RM I | | | | |
| Anti-CRISPR/Phage-encoded CRISPR | | | | | | | |
| Anti-Abi | | | | | | | |
| Phage nucleus-like compartmen | nt | | | | | | |
| | | | | | | | |

做一个链接,点进去可以看到这个蛋白有关的信息,例如表格里列举的基础信息、蛋白序列、在基因组上位置的可视化以及二级结构等等

Q Detailed Information

- > Basic Information
- > Protein Structure
- Secondary Structure
- > Disorder Area
- > Similarity Analysis
- > Multiple Sequence Alignments
- > Phylogenetic Analysis
- > Homology Network Analysis







Home Verified anti-defense proteins

Predicted anti-defense proteins

Search

Prediction

Help

| System family | ID | protein | Inhibited Type | Phage | Host | Length | reference(s) |
|----------------------------------|---------|---------|-------------------|-------|------|--------|--------------|
| Anti-Preventing adsorption | APA0005 | | | | | | 文章链接 |
| Anti-Restriction-modification | ARM0006 | | RM I | | | | |
| Anti-CRISPR/Phage-encoded CRISPR | | | | | | | |
| Anti-Abi | | | | | | | |
| Phage nucleus-like compartme | nt | | | | | | |
| Anti-superinfection exclusion(SE |) | | | | | | |
| Anti-Thoeris | | | | | | | |
| Anti-quorum sensing(QS) | | | | | | | |
| Anti-CBASS | | | | | | | |
| Anti-Pyscar | | | | | | | |

Phage anti-defence database

D. ...

Home

Verified anti-defense proteins

Predicted anti-defense proteins

Search

Run

Help

Anti-CRISPRdb

Database of anti-CRISPR proteins



| Home | Browse | Search | Download | Statistics | Help | Version | Reference |
|---------------|-----------------|------------|---|---------------|----------|---------|-----------|
| Keyw For e | rch by ords: | | Search | field: Family | ~ | Search | |
| Sear | ch by refer | ence using | nily name such PubMed ID suc ow,medium or | ch as PMID: 2 | 23242138 | | |

高级搜索,通过限定Verified/Predicted anti-defense proteins页面中列举的不同类别的关键词,搜索噬菌体反防御系统的相关信息

Home

Verified

anti-defense proteins

Predicted anti-defense proteins

Search

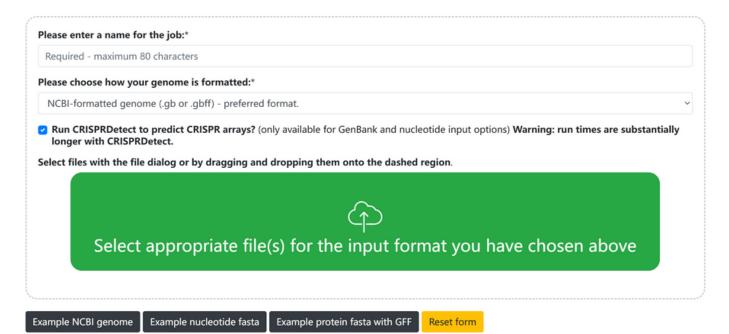
Prediction

Help



Run PADLOC for a user-supplied genome.

Versioning: Currently running PADLOC v1.1.0 with defense systems included in padlocdb v1.4.0



Home

Verified

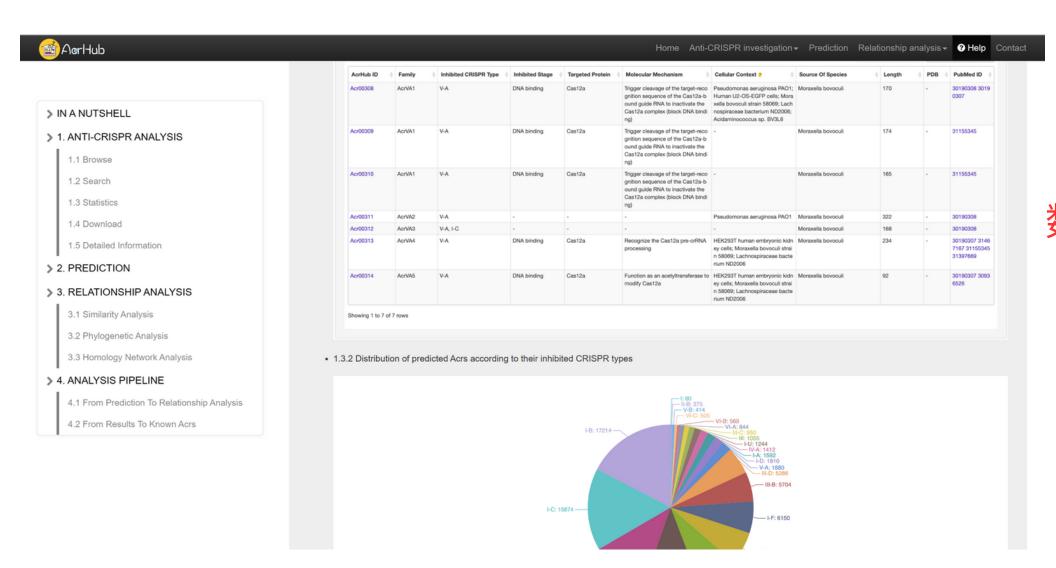
anti-defense proteins anti-defense proteins

Predicted

Search

Prediction

Help



数据库的用法介绍