

Virion DB

Main page

Refine By

Baltimore Classification

Clear

- ☒ I - double stranded DNA
- ☐ II - single stranded DNA
- ☐ III - double stranded RNA
- ☐ IV - positive single stranded RNA
- ☐ V - negative single stranded RNA
- ☐ VI - pos. single stranded RNA, reverse transcribing
- ☐ VII - double stranded DNA, reverse transcribing

Genome Type

Strandedness

Sense

Capsid Morphology

Clear

- ☐ Helical
- ☐ Spherical
- ☒ Icosahedral
- ☐ Head-and-Tail
- ☒ Spindled
- ☐ Non-Canonical

Capsid Envelope

Taxonomy

Genome Shape

Host

Length

Reset

6 nt

12 nt

Protein Number

Segment Number

Temperature

Virion Size

T number

Reset

4

25

Browse Results 27

● ● ● ● ● Name Data

Compare

Name

Open

■

Tomato yellow leaf curl Malv

☐

Sporobolus striate mosaic vi

☐

Myotis gammaherpesvirus 8

☐

Stenotrophomonas phage ph

☐

Mycobacterium phage Adaw

☒

Rhynchosia yellow mosaic virus, segment DNA-B

☐

Human bocavirus 3

☐

Staphylococcus phage SA1

☐

Dengue virus 2 isolate DF707

☐

Tomato yellow leaf curl China virus-Tb[Y8] DNA A

☐

Mycobacterium phage NelitzaMV, complete genome.

☐

Torque teno virus, isolate tth14, complete genome.

☐

Human papillomavirus type 11 complete genome, isolate A260.

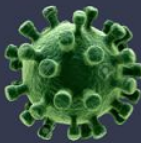
☐

Rhynchosia yellow mosaic India virus DNA-B, complete genome.

☐

Aeromonas phage 44RR2.8t, complete genome.

Rhynchosia minima



Accession ID

Genome Data

Baltimore Group

Nucleic Acid Structure

Nucleic Acid Shape

Nucleic Acid Strandedness

Sense

FM212663.1

2

DNA

circular

single stranded

+/-

NC_018577.1

2

DNA

circular

single stranded

+/-

NC_029255.1

1

DNA

linear

double stranded

+/-

NC_021569.1

2

DNA

circular

single stranded

+

NC_022328.1

1

DNA

circular

double stranded

+/-

AM999982.1

2

DNA

circular

single stranded

+/-

NC_012564.1

2

DNA

linear

single stranded

+/-

NC_027991.1

1

DNA

linear

single stranded

+/-

FM210208.1

4

RNA

linear

single stranded

+

AJ319677.1

2

DNA

circular

single stranded

+/-

NC_028785.1

1

DNA

linear

double stranded

+/-

AJ620228.1

2

DNA

circular

single stranded

-

FN907958.1

1

DNA

circular

double stranded

+/-

NC_014903.1

2

DNA

circular

single stranded

+/-

NC_005135.1

1

DNA

linear

double stranded

+/-

Explore Viral Metadata

Baltimore Classification



Genome Type



Strandedness



Sense



Capsid Morphology



Capsid Envelope



Taxonomy



Genome Shape



Host



Length



Protein Number



Segment Number



Temperature



Virion Size



T number

Record view

Single record



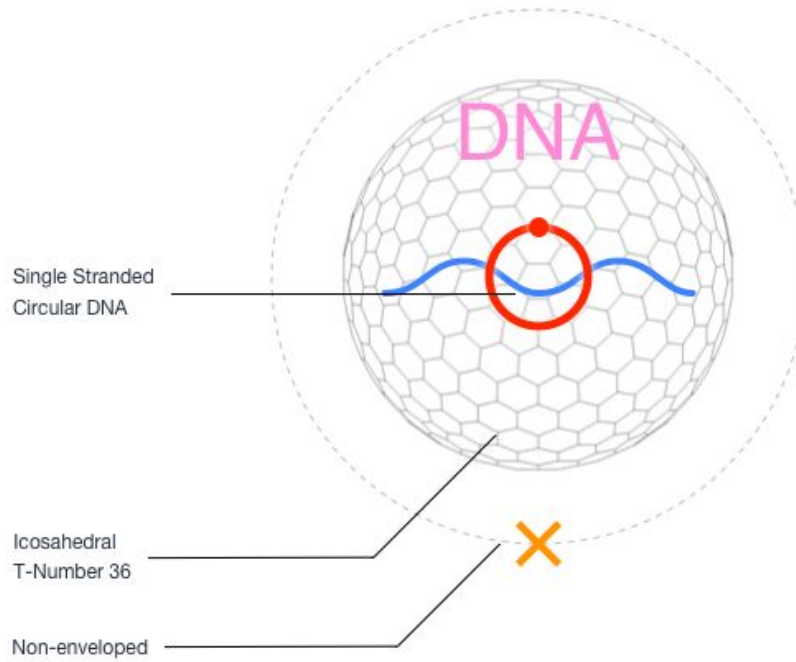
| | |
|---------------------------|-----------------------------------|
| Name | Sporobolus striate mosaic virus 1 |
| Accession ID | NC_018577.1 |
| Baltimore Group | 2 |
| Nucleic Acid Structure | DNA |
| Nucleic Acid Shape | circular |
| Nucleic Acid Strandedness | single stranded |
| Sense | +/- |
| Length | 2789 |
| Protein Number | 4 |
| Capsid Morphology | Icosahedral |
| Capsid Envelope | Non-enveloped |
| Temperature | 37 |
| Order | Unassigned |
| Family | Geminiviridae |
| Subfamily | - |
| Genus | Mastrevirus |

?

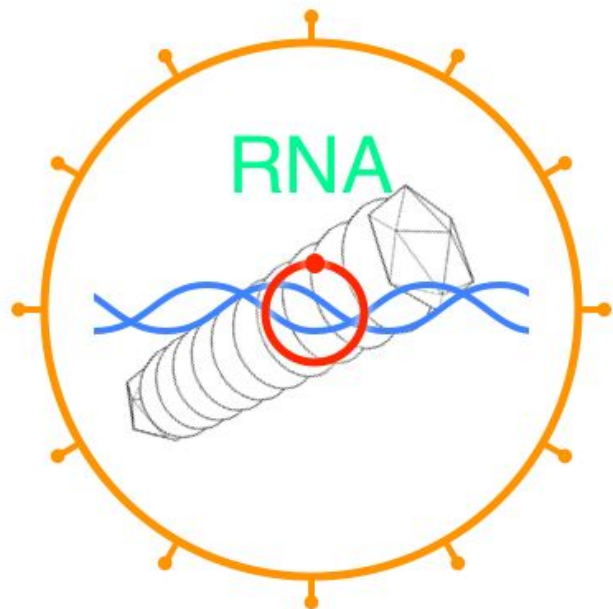
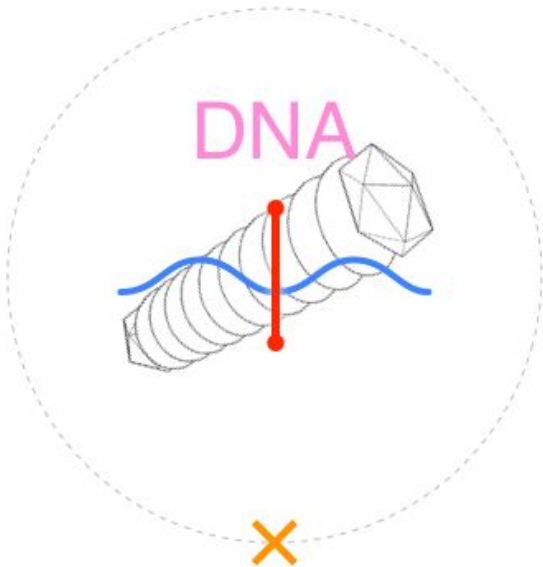
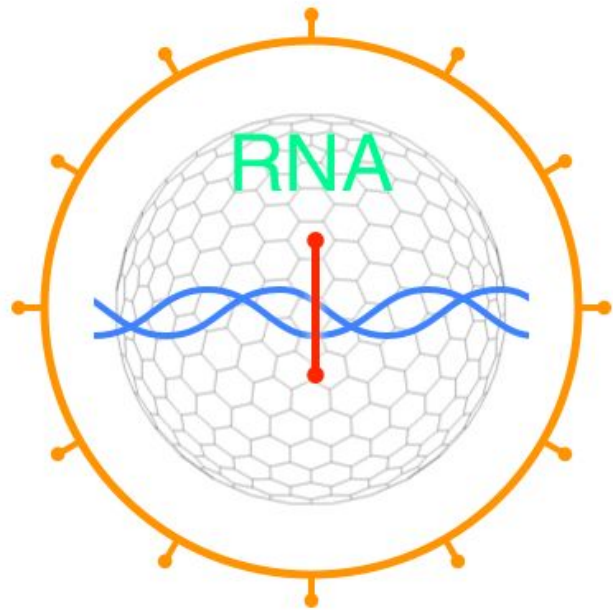
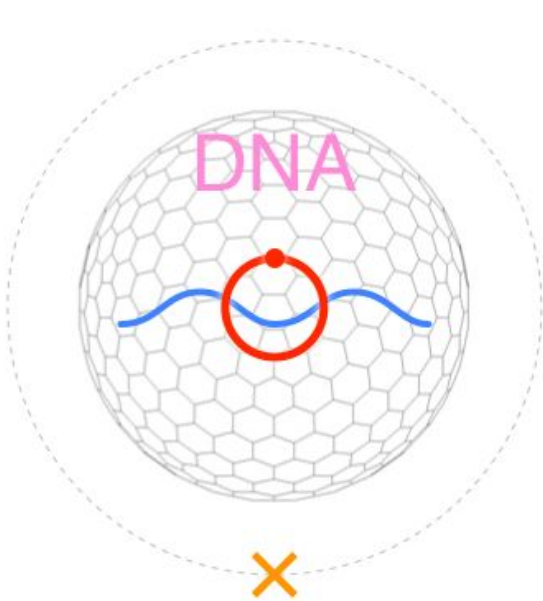
Image



X



Other combinations (not a complete exploration)



+

Name

Accession ID

★

Sporobolus striate mosaic virus 1

NC_018577.1

? Baltimore Group

Group II

×



| | |
|---------------------------|---|
| Nucleic Acid Structure | DNA |
| Nucleic Acid Shape | circular |
| Nucleic Acid Strandedness | single stranded |
| Sense | +/- |
| Length | 2789 |
| Protein Number | 4 |
| Capsid Morphology | Icosahedral |
| Capsid Envelope | Non-enveloped |
| Temperature | 37 |
| Order | Unassigned |
| Family | Geminiviridae |
| Subfamily | - |
| Genus | Mastrevirus |
| Host | Sporobolus sp. |
| Host Taxonomy | cellular organisms; Eukaryota; Viridiplantae; Streptophyta; Streptophytina; Embryophyta; Tracheophyta; Euphyllophyta; Spermatophyta; Magnoliophyta; Mesangiospermae; Liliopsida; Petrosaviidae; Commelinids; Poales; Poaceae; PACMAD clade; Chloridoideae; Zoysieae; Sporobolinae; Sporobolus |

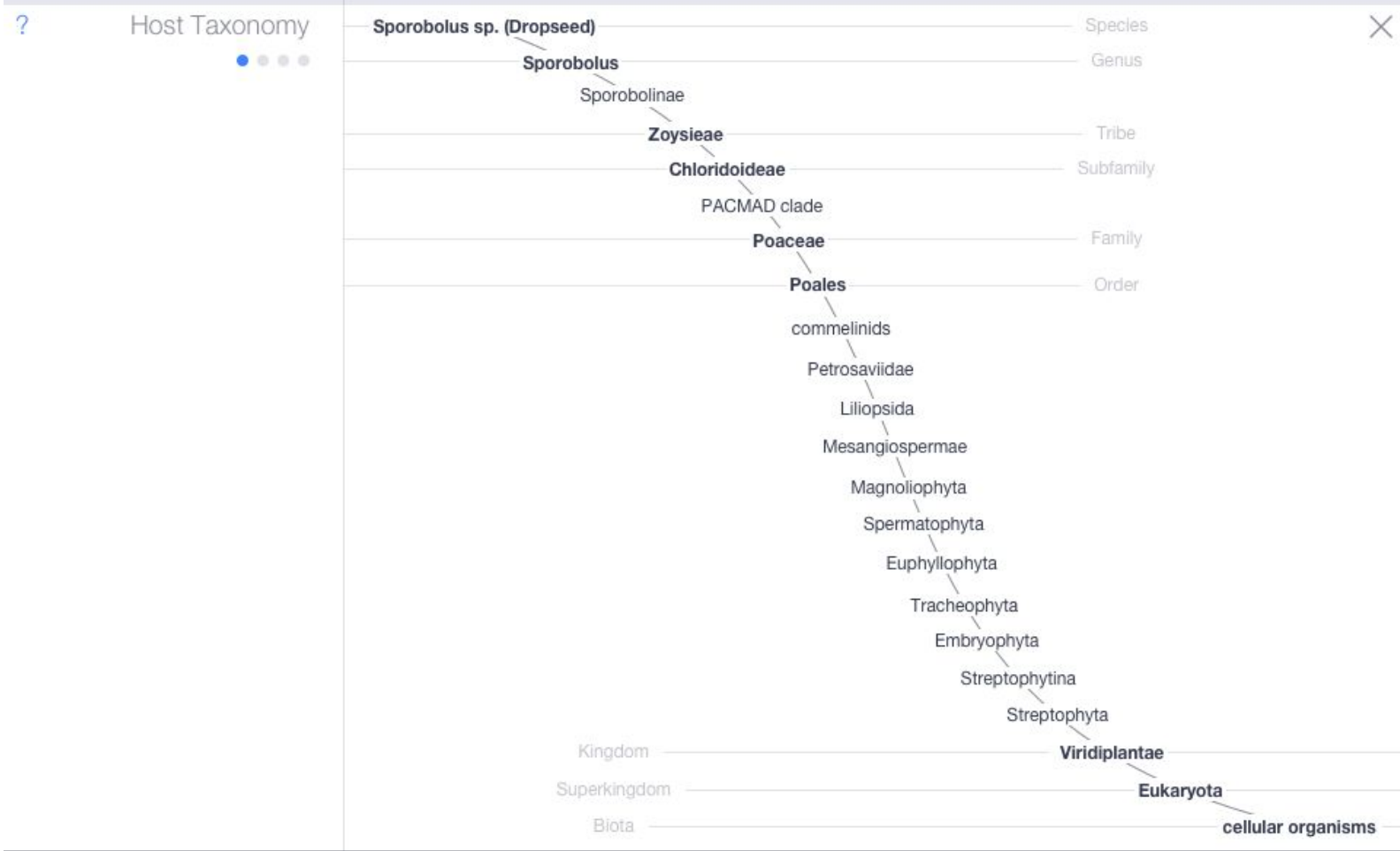
| | |
|---------------------------|-----------------------------------|
| + | ★ |
| Name | Sporobolus striate mosaic virus 1 |
| Accession ID | NC_018577.1 |
| Baltimore Group | 2 |
| Nucleic Acid Structure | DNA |
| Nucleic Acid Shape | circular |
| Nucleic Acid Strandedness | single stranded |
| Sense | +/- |
| Length | 2789 |
| Protein Number | 4 |

? Capsid Morphology Icosahedral



| | |
|-----------------|---|
| Capsid Envelope | Non-enveloped |
| Temperature | 37 |
| Order | Unassigned |
| Family | Geminiviridae |
| Subfamily | |
| Genus | Mastrevirus |
| Host | Sporobolus sp. |
| Host Taxonomy | cellular organisms; Eukaryota; Viridiplantae; Streptophyta; Streptophytina; Embryophyta; Tracheophyta; Euphyllophyta; Spermatophyta; Magnoliophyta; Mesangiospermae; Liliopsida; Petrosaviidae; commelinids; Poales; Poaceae; PACMAD clade; Chloridoideae; Zoysieae; Sporobolinae; Sporobolus |

| | |
|---------------------------|-----------------------------------|
| + | ★ |
| Name | Sporobolus striate mosaic virus 1 |
| Accession ID | NC_018577.1 |
| Baltimore Group | 2 |
| Nucleic Acid Structure | DNA |
| Nucleic Acid Shape | circular |
| Nucleic Acid Strandedness | single stranded |
| Sense | +/- |
| Length | 2789 |
| Protein Number | 4 |
| Capsid Morphology | Icosahedral |
| Capsid Envelope | Non-enveloped |
| Temperature | 37 |
| Order | Unassigned |
| Family | Geminiviridae |
| Subfamily | - |
| Genus | Mastrevirus |





Remove



Name Sporobolus striate mosaic virus 1
Accession ID NC_018577.1
Baltimore Group 2
Nucleic Acid Structure DNA
Nucleic Acid Shape circular
Nucleic Acid Strandedness single stranded
Sense +/-
Length 2789
Protein Number 4

Capsid Morphology



Icosahedral

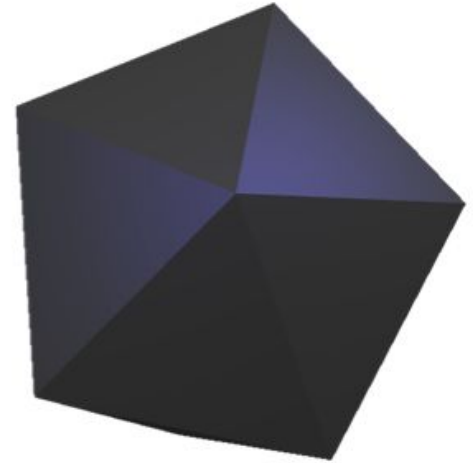


Remove



Human papillomavirus type 11 complete genome, isolate A260.
FN907958.1
1
DNA
circular
double stranded
+/-
7932
N

Icosahedral



Capsid Envelope Non-enveloped
Temperature 37
Order Unassigned
Family Geminiviridae
Subfamily
Genus Mastrevirus
Host Sporobolus sp.

Host Taxonomy cellular organisms; Eukaryota;
Viridiplantae; Streptophyta; Streptophytina; Embryophyta; Tracheo
phyta; Euphyllophyta; Spermatophyta; Magnoliophyta; Mesangios
permae; Liliopsida; Petrosaviidae; commelinids; Poales;
Poaceae; PACMAD
clade; Chloridoideae; Zoysieae; Sporobolinae; Sporobolus

Non-enveloped
37
Unassigned
Papillomaviridae

Alphapapillomavirus
Homo sapiens

cellular organisms; Eukaryota; Opisthokonta; Metazoa;
Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata;
Vertebrata; Gnathostomata; Teleostomi; Euteleostomi;
Sarcopterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota;
Mammalia; Theria; Eutheria; Boreoeutheria; Euarchontoglires;
Primates; Haplorrhini; Simiiformes; Catarrhini; Hominoidea;
Hominidae; Homininae; Homo; sapiens

| | | | |
|---------------------------|-----------------------------------|---|---|
| | Remove | Remove | Remove |
| Name | Sporobolus striate mosaic virus 1 | Human papillomavirus type 11 complete genome, isolate A260. | Hollyhock leaf curl virus, complete genome, isolate [Pakistan:20-4:06] Faisalabad3. |
| Accession ID | NC_018577.1 | FN907958.1 | FR772082.1 |
| Baltimore Group | 2 | 1 | 2 |
| Nucleic Acid Structure | DNA | DNA | DNA |
| Nucleic Acid Shape | circular | circular | circular |
| Nucleic Acid Strandedness | single stranded | double stranded | single stranded |
| Sense | +/- | +/- | +/- |
| Length | 2789 | 7932 | 2748 |
| Protein Number | 4 | | |

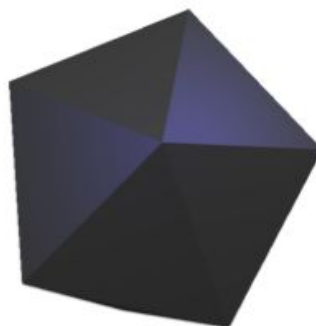
Capsid Morphology



Icosahedral



Icosahedral



Icosahedral



| | | | |
|-----------------|---|---|--|
| Capsid Envelope | Non-enveloped | Non-enveloped | Non-enveloped |
| Temperature | 37 | 37 | 37 |
| Order | Unassigned | Unassigned | Unassigned |
| Family | Geminiviridae | Papillomaviridae | Geminiviridae |
| Subfamily | | | |
| Genus | Mastrevirus | Alphapapillomavirus | Begomovirus |
| Host | Sporobolus sp. | Homo sapiens | |
| Host Taxonomy | cellular organisms; Eukaryota; Viridiplantae; Streptophyta; Streptophytina; Embryophyta; Tracheophyta; Euphyllophyta; Spermatophyta; Magnoliophyta; Mesangiospermae; Liliopsida; Petrosaviidae; commelinids; Poales; Poaceae; PACMAD clade; Chloridoideae; Zoysieae; Sporobolinae; Sporobolus | cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarcopterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota; Mammalia; Theria; Eutheria; Boreoeutheria; Euarchontoglires; Primates; Haplorrhini; Simiiformes; Catarrhini; Hominoidea; Hominidae; Homininae; Homo; sapiens | Alcea rosea cellular organisms; Eukaryota; Viridiplantae; Streptophyta; Streptophytina; Embryophyta; Tracheophyta; Euphyllophyta; Spermatophyta; Magnoliophyta; Mesangiospermae; eudicotyledons; Gunneridae; Pentapetalae; rosids; malvids; Malvales; Malvaceae; Malvoideae; Alcea; rosea |