



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 106832 Report

This analysis was run 04/28/24 on database version 559.

Pham number 106832 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Shivanishola_10, Brandonk123_13
- Track 2 : Geodirt_10, Lennon_11, Stultus_10, Keitabear_11, Sitar_11, Vivi2_9, ChadMasterC_10
- Track 3 : Barsten_11
- Track 4 : RiverRaider_11

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 2, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Barsten_11, Brandonk123_13, ChadMasterC_10, Geodirt_10, Keitabear_11, Lennon_11, Shivanishola_10, Sitar_11, Stultus_10, Vivi2_9,

Genes that have the "Most Annotated" start but do not call it:

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Genes that do not have the "Most Annotated" start:

- RiverRaider_11,

Summary by start number:

Start 2:

- Found in 10 of 11 (90.9%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Barsten_11 (DE1), Brandonk123_13 (DE1), ChadMasterC_10 (DE1), Geodirt_10 (DE1), Keitabear_11 (DE1), Lennon_11 (DE1), Shivanishola_10 (DE1), Sitar_11 (DE1), Stultus_10 (DE1), Vivi2_9 (DE1),

Start 3:

- Found in 1 of 11 (9.1%) of genes in pham
- No Manual Annotations of this start.

- Called 100.0% of time when present
- Phage (with cluster) where this start called: RiverRaider_11 (DE1),

Summary by clusters:

There is one cluster represented in this pham: DE1

Info for manual annotations of cluster DE1:

- Start number 2 was manually annotated 10 times for cluster DE1.

Gene Information:

Gene: Barsten_11 Start: 5914, Stop: 6081, Start Num: 2

Candidate Starts for Barsten_11:

(Start: 2 @5914 has 10 MA's), (4, 5962),

Gene: Brandonk123_13 Start: 6598, Stop: 6765, Start Num: 2

Candidate Starts for Brandonk123_13:

(Start: 2 @6598 has 10 MA's), (4, 6646),

Gene: ChadMasterC_10 Start: 6186, Stop: 6353, Start Num: 2

Candidate Starts for ChadMasterC_10:

(1, 6084), (Start: 2 @6186 has 10 MA's), (4, 6234),

Gene: Geodirt_10 Start: 6226, Stop: 6393, Start Num: 2

Candidate Starts for Geodirt_10:

(1, 6124), (Start: 2 @6226 has 10 MA's), (4, 6274),

Gene: Keitabear_11 Start: 7592, Stop: 7759, Start Num: 2

Candidate Starts for Keitabear_11:

(1, 7490), (Start: 2 @7592 has 10 MA's), (4, 7640),

Gene: Lennon_11 Start: 6801, Stop: 6968, Start Num: 2

Candidate Starts for Lennon_11:

(1, 6699), (Start: 2 @6801 has 10 MA's), (4, 6849),

Gene: RiverRaider_11 Start: 5472, Stop: 5633, Start Num: 3

Candidate Starts for RiverRaider_11:

(3, 5472),

Gene: Shivanishola_10 Start: 6635, Stop: 6802, Start Num: 2

Candidate Starts for Shivanishola_10:

(Start: 2 @6635 has 10 MA's), (4, 6683),

Gene: Sitar_11 Start: 6801, Stop: 6968, Start Num: 2

Candidate Starts for Sitar_11:

(1, 6699), (Start: 2 @6801 has 10 MA's), (4, 6849),

Gene: Stultus_10 Start: 6625, Stop: 6792, Start Num: 2

Candidate Starts for Stultus_10:

(1, 6523), (Start: 2 @6625 has 10 MA's), (4, 6673),

Gene: Vivi2_9 Start: 5614, Stop: 5781, Start Num: 2
Candidate Starts for Vivi2_9:
(1, 5512), (Start: 2 @5614 has 10 MA's), (4, 5662),