



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 132592 Report

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

Pham number 132592 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Horus_97, Frickyeh_102, Ecliptus_104, Periwinkle_105, Leroy_97, Apricot_96, Crater_96
- Track 2 : Kenna_92, Lutum_98

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Apricot_96, Crater_96, Ecliptus_104, Frickyeh_102, Horus_97, Leroy_97, Periwinkle_105,

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

-

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

- Kenna_92, Lutum_98,

Summary by start number:

Start 4:

- Found in 7 of 9 (77.8%) of genes in pham
- Manual Annotations of this start: 6 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Apricot_96 (DN3), Crater_96 (DN3), Ecliptus_104 (DN), Frickyeh_102 (DN1), Horus_97 (DN1), Leroy_97 (DN1), Periwinkle_105 (DN1),

Start 5:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 2 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kenna_92 (DN1), Lutum_98 (DN1),

Summary by clusters:

There are 3 clusters represented in this pham: DN, DN1, DN3,

Info for manual annotations of cluster DN:

- Start number 4 was manually annotated 1 time for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 4 was manually annotated 3 times for cluster DN1.
- Start number 5 was manually annotated 2 times for cluster DN1.

Info for manual annotations of cluster DN3:

- Start number 4 was manually annotated 2 times for cluster DN3.

Gene Information:

Gene: Apricot_96 Start: 50194, Stop: 50349, Start Num: 4

Candidate Starts for Apricot_96:

(2, 50149), (Start: 4 @50194 has 6 MA's), (6, 50212),

Gene: Crater_96 Start: 50538, Stop: 50693, Start Num: 4

Candidate Starts for Crater_96:

(2, 50493), (Start: 4 @50538 has 6 MA's), (6, 50556),

Gene: Ecliptus_104 Start: 53737, Stop: 53892, Start Num: 4

Candidate Starts for Ecliptus_104:

(2, 53692), (Start: 4 @53737 has 6 MA's), (6, 53755),

Gene: Frickyeah_102 Start: 52484, Stop: 52639, Start Num: 4

Candidate Starts for Frickyeah_102:

(2, 52439), (Start: 4 @52484 has 6 MA's), (6, 52502),

Gene: Horus_97 Start: 52759, Stop: 52914, Start Num: 4

Candidate Starts for Horus_97:

(2, 52714), (Start: 4 @52759 has 6 MA's), (6, 52777),

Gene: Kenna_92 Start: 50815, Stop: 50967, Start Num: 5

Candidate Starts for Kenna_92:

(1, 50749), (3, 50782), (Start: 5 @50815 has 2 MA's), (6, 50830),

Gene: Leroy_97 Start: 50954, Stop: 51109, Start Num: 4

Candidate Starts for Leroy_97:

(2, 50909), (Start: 4 @50954 has 6 MA's), (6, 50972),

Gene: Lutum_98 Start: 52134, Stop: 52286, Start Num: 5

Candidate Starts for Lutum_98:

(1, 52068), (3, 52101), (Start: 5 @52134 has 2 MA's), (6, 52149),

Gene: Periwinkle_105 Start: 53761, Stop: 53916, Start Num: 4

Candidate Starts for Periwinkle_105:

(2, 53716), (Start: 4 @53761 has 6 MA's), (6, 53779),