



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 7758 Report

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

Pham number 7758 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : MAnor_45
- Track 2 : Pons_45, BigChungus_43, Feastonyeet_43, Mayweather_47, Vine_46
- Track 3 : CherryonLim_45

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BigChungus_43, CherryonLim_45, Feastonyeet_43, Mayweather_47, Pons_45, Vine_46,

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

- MAnor_45,

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

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Summary by start number:

Start 2:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 85.7% of time when present
- Phage (with cluster) where this start called: BigChungus_43 (CT), CherryonLim_45 (CT), Feastonyeet_43 (CT), Mayweather_47 (CT), Pons_45 (CT), Vine_46 (CT),

Start 3:

- Found in 7 of 7 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: MAnor_45 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

Info for manual annotations of cluster CT:

- Start number 2 was manually annotated 6 times for cluster CT.

Gene Information:

Gene: BigChungus_43 Start: 31506, Stop: 31231, Start Num: 2

Candidate Starts for BigChungus_43:

(Start: 2 @31506 has 6 MA's), (3, 31497), (4, 31482), (5, 31467), (6, 31458), (7, 31341), (8, 31305),

Gene: CherryonLim_45 Start: 32644, Stop: 32369, Start Num: 2

Candidate Starts for CherryonLim_45:

(1, 32653), (Start: 2 @32644 has 6 MA's), (3, 32635), (4, 32620), (5, 32605), (6, 32596), (7, 32479), (8, 32443),

Gene: Feastonyeet_43 Start: 31506, Stop: 31231, Start Num: 2

Candidate Starts for Feastonyeet_43:

(Start: 2 @31506 has 6 MA's), (3, 31497), (4, 31482), (5, 31467), (6, 31458), (7, 31341), (8, 31305),

Gene: MAnor_45 Start: 32227, Stop: 31961, Start Num: 3

Candidate Starts for MAnor_45:

(Start: 2 @32236 has 6 MA's), (3, 32227), (4, 32212), (5, 32197), (6, 32188), (7, 32071), (8, 32035),

Gene: Mayweather_47 Start: 32515, Stop: 32240, Start Num: 2

Candidate Starts for Mayweather_47:

(Start: 2 @32515 has 6 MA's), (3, 32506), (4, 32491), (5, 32476), (6, 32467), (7, 32350), (8, 32314),

Gene: Pons_45 Start: 31866, Stop: 31591, Start Num: 2

Candidate Starts for Pons_45:

(Start: 2 @31866 has 6 MA's), (3, 31857), (4, 31842), (5, 31827), (6, 31818), (7, 31701), (8, 31665),

Gene: Vine_46 Start: 32153, Stop: 31878, Start Num: 2

Candidate Starts for Vine_46:

(Start: 2 @32153 has 6 MA's), (3, 32144), (4, 32129), (5, 32114), (6, 32105), (7, 31988), (8, 31952),