



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 188641 Report

This analysis was run 11/02/24 on database version 579.

Pham number 188641 has 9 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Olicious_62
- Track 2 : JPandJE_62, Immanuel3_61, Percastrophe_62, ToriToki_62, Romero_62, ZooBear_62, HaugeAnator_62
- Track 3 : Treat_62

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

The start number called the most often in the published annotations is 3, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- HaugeAnator_62, Immanuel3_61, JPandJE_62, Percastrophe_62, Romero_62, ToriToki_62, Treat_62, ZooBear_62,

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

- Olicious_62,

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

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Summary by start number:

Start 3:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 88.9% of time when present
- Phage (with cluster) where this start called: HaugeAnator_62 (BF), Immanuel3_61 (BF), JPandJE_62 (BF), Percastrophe_62 (BF), Romero_62 (BF), ToriToki_62 (BF), Treat_62 (BF), ZooBear_62 (BF),

Start 6:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 11.1% of time when present

- Phage (with cluster) where this start called: Olicious_62 (BF),

Summary by clusters:

There is one cluster represented in this pham: BF

Info for manual annotations of cluster BF:

- Start number 3 was manually annotated 8 times for cluster BF.
- Start number 6 was manually annotated 1 time for cluster BF.

Gene Information:

Gene: HaugeAnator_62 Start: 31855, Stop: 31646, Start Num: 3

Candidate Starts for HaugeAnator_62:

(1, 31933), (Start: 3 @31855 has 8 MA's), (4, 31831), (Start: 6 @31810 has 1 MA's),

Gene: Immanuel3_61 Start: 31858, Stop: 31649, Start Num: 3

Candidate Starts for Immanuel3_61:

(1, 31936), (Start: 3 @31858 has 8 MA's), (4, 31834), (Start: 6 @31813 has 1 MA's),

Gene: JPandJE_62 Start: 32374, Stop: 32168, Start Num: 3

Candidate Starts for JPandJE_62:

(1, 32452), (Start: 3 @32374 has 8 MA's), (4, 32350), (Start: 6 @32329 has 1 MA's),

Gene: Olicious_62 Start: 31810, Stop: 31646, Start Num: 6

Candidate Starts for Olicious_62:

(1, 31933), (Start: 3 @31855 has 8 MA's), (4, 31831), (Start: 6 @31810 has 1 MA's),

Gene: Percastrophe_62 Start: 31789, Stop: 31580, Start Num: 3

Candidate Starts for Percastrophe_62:

(1, 31867), (Start: 3 @31789 has 8 MA's), (4, 31765), (Start: 6 @31744 has 1 MA's),

Gene: Romero_62 Start: 31848, Stop: 31639, Start Num: 3

Candidate Starts for Romero_62:

(1, 31926), (Start: 3 @31848 has 8 MA's), (4, 31824), (Start: 6 @31803 has 1 MA's),

Gene: ToriToki_62 Start: 31851, Stop: 31642, Start Num: 3

Candidate Starts for ToriToki_62:

(1, 31929), (Start: 3 @31851 has 8 MA's), (4, 31827), (Start: 6 @31806 has 1 MA's),

Gene: Treat_62 Start: 31795, Stop: 31586, Start Num: 3

Candidate Starts for Treat_62:

(1, 31873), (2, 31861), (Start: 3 @31795 has 8 MA's), (4, 31771), (5, 31750), (Start: 6 @31747 has 1 MA's),

Gene: ZooBear_62 Start: 31855, Stop: 31646, Start Num: 3

Candidate Starts for ZooBear_62:

(1, 31933), (Start: 3 @31855 has 8 MA's), (4, 31831), (Start: 6 @31810 has 1 MA's),