



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 288503 Report

This analysis was run 03/28/26 on database version 641.

Pham number 288503 has 6 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Sue2_54
- Track 2 : Cen1621_30
- Track 3 : Teng_53, DelaGarza_49, Gingerbug_48, Sweetums_49

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 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DelaGarza_49, Gingerbug_48, Sweetums_49, Teng_53,

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:

- Cen1621_30, Sue2_54,

Summary by start number:

Start 2:

- Found in 4 of 6 (66.7%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DelaGarza_49 (GF), Gingerbug_48 (GF), Sweetums_49 (GF), Teng_53 (GF),

Start 3:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sue2_54 (AZ1),

Start 4:

- Found in 1 of 6 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cen1621_30 (EH),

Summary by clusters:

There are 3 clusters represented in this pham: GF, EH, AZ1,

Info for manual annotations of cluster AZ1:

- Start number 3 was manually annotated 1 time for cluster AZ1.

Info for manual annotations of cluster EH:

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

Info for manual annotations of cluster GF:

- Start number 2 was manually annotated 2 times for cluster GF.

Gene Information:

Gene: Cen1621_30 Start: 22502, Stop: 22687, Start Num: 4

Candidate Starts for Cen1621_30:

(Start: 4 @22502 has 1 MA's),

Gene: DelaGarza_49 Start: 28678, Stop: 28896, Start Num: 2

Candidate Starts for DelaGarza_49:

(Start: 2 @28678 has 2 MA's), (5, 28726), (6, 28741),

Gene: Gingerbug_48 Start: 29164, Stop: 29382, Start Num: 2

Candidate Starts for Gingerbug_48:

(Start: 2 @29164 has 2 MA's), (5, 29212), (6, 29227),

Gene: Sue2_54 Start: 38086, Stop: 38286, Start Num: 3

Candidate Starts for Sue2_54:

(1, 37828), (Start: 3 @38086 has 1 MA's), (7, 38131), (8, 38143),

Gene: Sweetums_49 Start: 28762, Stop: 28980, Start Num: 2

Candidate Starts for Sweetums_49:

(Start: 2 @28762 has 2 MA's), (5, 28810), (6, 28825),

Gene: Teng_53 Start: 28666, Stop: 28884, Start Num: 2

Candidate Starts for Teng_53:

(Start: 2 @28666 has 2 MA's), (5, 28714), (6, 28729),