



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 297359 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297359 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : GTE7_11, HayZem_19, Austin_20, Amore2_20, GMA7_11
- Track 2 : Philon9_19, Vitaenoi_19

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

The start number called the most often in the published annotations is 6, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amore2_20, Austin_20, GMA7_11, GTE7_11, HayZem_19,

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:

- Philon9_19, Vitaenoi_19,

Summary by start number:

Start 5:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 2 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Philon9_19 (CS4), Vitaenoi_19 (CS4),

Start 6:

- Found in 5 of 7 (71.4%) of genes in pham
- Manual Annotations of this start: 3 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amore2_20 (CS1), Austin_20 (CS1), GMA7_11 (CS1), GTE7_11 (CS1), HayZem_19 (CS1),

Summary by clusters:

There are 2 clusters represented in this pham: CS4, CS1,

Info for manual annotations of cluster CS1:

•Start number 6 was manually annotated 3 times for cluster CS1.

Info for manual annotations of cluster CS4:

•Start number 5 was manually annotated 2 times for cluster CS4.

Gene Information:

Gene: Amore2_20 Start: 16011, Stop: 16268, Start Num: 6

Candidate Starts for Amore2_20:

(Start: 6 @16011 has 3 MA's), (8, 16077),

Gene: Austin_20 Start: 16011, Stop: 16268, Start Num: 6

Candidate Starts for Austin_20:

(Start: 6 @16011 has 3 MA's), (8, 16077),

Gene: GMA7_11 Start: 10200, Stop: 10454, Start Num: 6

Candidate Starts for GMA7_11:

(Start: 6 @10200 has 3 MA's), (8, 10266),

Gene: GTE7_11 Start: 10259, Stop: 10513, Start Num: 6

Candidate Starts for GTE7_11:

(Start: 6 @10259 has 3 MA's), (8, 10325),

Gene: HayZem_19 Start: 16011, Stop: 16265, Start Num: 6

Candidate Starts for HayZem_19:

(Start: 6 @16011 has 3 MA's), (8, 16077),

Gene: Philon9_19 Start: 20444, Stop: 20719, Start Num: 5

Candidate Starts for Philon9_19:

(1, 20204), (2, 20240), (3, 20285), (4, 20426), (Start: 5 @20444 has 2 MA's), (7, 20492), (9, 20612),

Gene: Vitaenoi_19 Start: 20443, Stop: 20718, Start Num: 5

Candidate Starts for Vitaenoi_19:

(1, 20203), (2, 20239), (3, 20284), (4, 20425), (Start: 5 @20443 has 2 MA's), (7, 20491), (9, 20611),