



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 106849 Report

This analysis was run 04/05/24 on database version 557.

Pham number 106849 has 10 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Orcanus_27
- Track 2 : Coral_27, Amelia_28, HannahPhantana_27
- Track 3 : Kepler_27
- Track 4 : Cote_28, Melons_28, Lunar_28
- Track 5 : Polka_27, Daob_28

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

The start number called the most often in the published annotations is 5, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amelia_28, Coral_27, Cote_28, Daob_28, HannahPhantana_27, Kepler_27, Lunar_28, Melons_28, Polka_27,

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:

- Orcanus_27,

Summary by start number:

Start 4:

- Found in 1 of 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Orcanus_27 (AS1),

Start 5:

- Found in 9 of 10 (90.0%) of genes in pham
- Manual Annotations of this start: 8 of 9
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Amelia_28 (AS2), Coral_27 (AS2), Cote_28 (AS2), Daob_28 (AS2), HannahPhantana_27 (AS2), Kepler_27 (AS2), Lunar_28 (AS2), Melons_28 (AS2), Polka_27 (AS2),

Summary by clusters:

There are 2 clusters represented in this pham: AS2, AS1,

Info for manual annotations of cluster AS1:

- Start number 4 was manually annotated 1 time for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 5 was manually annotated 8 times for cluster AS2.

Gene Information:

Gene: Amelia_28 Start: 19332, Stop: 19054, Start Num: 5

Candidate Starts for Amelia_28:

(1, 19527), (2, 19422), (3, 19344), (Start: 5 @19332 has 8 MA's), (8, 19122),

Gene: Coral_27 Start: 19171, Stop: 18893, Start Num: 5

Candidate Starts for Coral_27:

(1, 19366), (2, 19261), (3, 19183), (Start: 5 @19171 has 8 MA's), (8, 18961),

Gene: Cote_28 Start: 19316, Stop: 19038, Start Num: 5

Candidate Starts for Cote_28:

(1, 19511), (2, 19406), (3, 19328), (Start: 5 @19316 has 8 MA's), (7, 19172), (8, 19106),

Gene: Daob_28 Start: 19321, Stop: 19043, Start Num: 5

Candidate Starts for Daob_28:

(1, 19516), (2, 19411), (3, 19333), (Start: 5 @19321 has 8 MA's), (8, 19111),

Gene: HannahPhantana_27 Start: 19328, Stop: 19050, Start Num: 5

Candidate Starts for HannahPhantana_27:

(1, 19523), (2, 19418), (3, 19340), (Start: 5 @19328 has 8 MA's), (8, 19118),

Gene: Kepler_27 Start: 19289, Stop: 19011, Start Num: 5

Candidate Starts for Kepler_27:

(1, 19484), (2, 19379), (3, 19301), (Start: 5 @19289 has 8 MA's), (8, 19079),

Gene: Lunar_28 Start: 19316, Stop: 19038, Start Num: 5

Candidate Starts for Lunar_28:

(1, 19511), (2, 19406), (3, 19328), (Start: 5 @19316 has 8 MA's), (7, 19172), (8, 19106),

Gene: Melons_28 Start: 19316, Stop: 19038, Start Num: 5

Candidate Starts for Melons_28:

(1, 19511), (2, 19406), (3, 19328), (Start: 5 @19316 has 8 MA's), (7, 19172), (8, 19106),

Gene: Orcanus_27 Start: 20226, Stop: 19948, Start Num: 4

Candidate Starts for Orcanus_27:

(Start: 4 @20226 has 1 MA's), (6, 20127), (8, 20016),

Gene: Polka_27 Start: 19179, Stop: 18901, Start Num: 5

Candidate Starts for Polka_27:

(1, 19374), (2, 19269), (3, 19191), (Start: 5 @19179 has 8 MA's), (8, 18969),