



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 164118 Report

This analysis was run 05/04/24 on database version 560.

Pham number 164118 has 9 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Carthage_51
- Track 2 : Robyn_52
- Track 3 : Totinger_83, Starcevich_80, GigiOuiOui_74, Fastidio_78, LilMoolah_78, LittleShirley_86, Nivrat_76

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

Genes that call this "Most Annotated" start:

- Fastidio_78, GigiOuiOui_74, LilMoolah_78, LittleShirley_86, Nivrat_76, Starcevich_80, Totinger_83,

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:

- Carthage_51, Robyn_52,

Summary by start number:

Start 3:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Carthage_51 (B1),

Start 5:

- Found in 7 of 9 (77.8%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fastidio_78 (F1), GigiOuiOui_74 (F1), LilMoolah_78 (F1), LittleShirley_86 (F1), Nivrat_76 (F1), Starcevich_80 (F1),

Totinger_83 (F1),

Start 6:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Robyn_52 (B1),

Summary by clusters:

There are 2 clusters represented in this pham: F1, B1,

Info for manual annotations of cluster B1:

- Start number 3 was manually annotated 1 time for cluster B1.
- Start number 6 was manually annotated 1 time for cluster B1.

Info for manual annotations of cluster F1:

- Start number 5 was manually annotated 4 times for cluster F1.

Gene Information:

Gene: Carthage_51 Start: 46401, Stop: 46021, Start Num: 3

Candidate Starts for Carthage_51:

(1, 46506), (2, 46449), (Start: 3 @46401 has 1 MA's), (4, 46395), (Start: 6 @46347 has 1 MA's), (7, 46278), (8, 46272), (9, 46191), (10, 46185), (11, 46053),

Gene: Fastidio_78 Start: 45795, Stop: 46124, Start Num: 5

Candidate Starts for Fastidio_78:

(Start: 5 @45795 has 4 MA's), (7, 45870), (8, 45876), (9, 45945), (10, 45951), (11, 46083),

Gene: GigiOuiOui_74 Start: 47391, Stop: 47720, Start Num: 5

Candidate Starts for GigiOuiOui_74:

(Start: 5 @47391 has 4 MA's), (7, 47466), (8, 47472), (9, 47541), (10, 47547), (11, 47679),

Gene: LilMoolah_78 Start: 48539, Stop: 48874, Start Num: 5

Candidate Starts for LilMoolah_78:

(Start: 5 @48539 has 4 MA's), (7, 48614), (8, 48620), (9, 48689), (10, 48695), (11, 48827),

Gene: LittleShirley_86 Start: 49468, Stop: 49797, Start Num: 5

Candidate Starts for LittleShirley_86:

(Start: 5 @49468 has 4 MA's), (7, 49543), (8, 49549), (9, 49618), (10, 49624), (11, 49756),

Gene: Nivrat_76 Start: 48412, Stop: 48747, Start Num: 5

Candidate Starts for Nivrat_76:

(Start: 5 @48412 has 4 MA's), (7, 48487), (8, 48493), (9, 48562), (10, 48568), (11, 48700),

Gene: Robyn_52 Start: 47008, Stop: 46682, Start Num: 6

Candidate Starts for Robyn_52:

(1, 47167), (2, 47110), (Start: 3 @47062 has 1 MA's), (4, 47056), (Start: 6 @47008 has 1 MA's), (7, 46939), (8, 46933), (9, 46852), (10, 46846), (11, 46714),

Gene: Starcevich_80 Start: 49749, Stop: 50078, Start Num: 5

Candidate Starts for Starcevich_80:

(Start: 5 @49749 has 4 MA's), (7, 49824), (8, 49830), (9, 49899), (10, 49905), (11, 50037),

Gene: Totinger_83 Start: 48545, Stop: 48874, Start Num: 5

Candidate Starts for Totinger_83:

(Start: 5 @48545 has 4 MA's), (7, 48620), (8, 48626), (9, 48695), (10, 48701), (11, 48833),