



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 305388 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305388 has 16 members, 1 are drafts.

Phages represented in each track:

- Track 1 : StarStuff_33, DBQu4n_33, Duplo_33
- Track 2 : Naji_33, D29_30, D32_33
- Track 3 : Tomathan_33, Kerberos_33, Pomar16_33
- Track 4 : C3_28, ANI8_33, AN3_30, VA6_30, AN9_33, VC3_33
- Track 5 : Travvers_33

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 15 of the 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AN3_30, AN9_33, ANI8_33, C3_28, D29_30, D32_33, DBQu4n_33, Duplo_33, Kerberos_33, Naji_33, Pomar16_33, StarStuff_33, Tomathan_33, VA6_30, VC3_33,

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

- Travvers_33,

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

-

Summary by start number:

Start 3:

- Found in 16 of 16 (100.0%) of genes in pham
- Manual Annotations of this start: 15 of 15
- Called 93.8% of time when present
- Phage (with cluster) where this start called: AN3_30 (A2), AN9_33 (A2), ANI8_33 (A2), C3_28 (A2), D29_30 (A2), D32_33 (A2), DBQu4n_33 (A2), Duplo_33 (A2), Kerberos_33 (A2), Naji_33 (A2), Pomar16_33 (A2), StarStuff_33 (A2), Tomathan_33 (A2), VA6_30 (A2), VC3_33 (A2),

Start 4:

- Found in 16 of 16 (100.0%) of genes in pham

- No Manual Annotations of this start.
- Called 6.2% of time when present
- Phage (with cluster) where this start called: Travvers_33 (A2),

Summary by clusters:

There is one cluster represented in this pham: A2

Info for manual annotations of cluster A2:

- Start number 3 was manually annotated 15 times for cluster A2.

Gene Information:

Gene: AN3_30 Start: 22452, Stop: 22718, Start Num: 3

Candidate Starts for AN3_30:

(1, 22296), (Start: 3 @22452 has 15 MA's), (4, 22497), (5, 22506), (7, 22521),

Gene: AN9_33 Start: 22440, Stop: 22706, Start Num: 3

Candidate Starts for AN9_33:

(1, 22284), (Start: 3 @22440 has 15 MA's), (4, 22485), (5, 22494), (7, 22509),

Gene: ANI8_33 Start: 22440, Stop: 22706, Start Num: 3

Candidate Starts for ANI8_33:

(1, 22284), (Start: 3 @22440 has 15 MA's), (4, 22485), (5, 22494), (7, 22509),

Gene: C3_28 Start: 22440, Stop: 22706, Start Num: 3

Candidate Starts for C3_28:

(1, 22284), (Start: 3 @22440 has 15 MA's), (4, 22485), (5, 22494), (7, 22509),

Gene: D29_30 Start: 22296, Stop: 22562, Start Num: 3

Candidate Starts for D29_30:

(1, 22140), (2, 22248), (Start: 3 @22296 has 15 MA's), (4, 22341), (6, 22353), (8, 22377),

Gene: D32_33 Start: 22296, Stop: 22562, Start Num: 3

Candidate Starts for D32_33:

(1, 22140), (2, 22248), (Start: 3 @22296 has 15 MA's), (4, 22341), (6, 22353), (8, 22377),

Gene: DBQu4n_33 Start: 22296, Stop: 22562, Start Num: 3

Candidate Starts for DBQu4n_33:

(1, 22140), (2, 22248), (Start: 3 @22296 has 15 MA's), (4, 22341), (6, 22353),

Gene: Duplo_33 Start: 22334, Stop: 22600, Start Num: 3

Candidate Starts for Duplo_33:

(1, 22178), (2, 22286), (Start: 3 @22334 has 15 MA's), (4, 22379), (6, 22391),

Gene: Kerberos_33 Start: 22296, Stop: 22562, Start Num: 3

Candidate Starts for Kerberos_33:

(1, 22140), (2, 22248), (Start: 3 @22296 has 15 MA's), (4, 22341), (6, 22353),

Gene: Naji_33 Start: 22296, Stop: 22562, Start Num: 3

Candidate Starts for Naji_33:

(1, 22140), (2, 22248), (Start: 3 @22296 has 15 MA's), (4, 22341), (6, 22353), (8, 22377),

Gene: Pomar16_33 Start: 22337, Stop: 22603, Start Num: 3

Candidate Starts for Pomar16_33:

(1, 22181), (2, 22289), (Start: 3 @22337 has 15 MA's), (4, 22382), (6, 22394),

Gene: StarStuff_33 Start: 22296, Stop: 22562, Start Num: 3

Candidate Starts for StarStuff_33:

(1, 22140), (2, 22248), (Start: 3 @22296 has 15 MA's), (4, 22341), (6, 22353),

Gene: Tomathan_33 Start: 22296, Stop: 22562, Start Num: 3

Candidate Starts for Tomathan_33:

(1, 22140), (2, 22248), (Start: 3 @22296 has 15 MA's), (4, 22341), (6, 22353),

Gene: Travvers_33 Start: 22341, Stop: 22562, Start Num: 4

Candidate Starts for Travvers_33:

(1, 22140), (2, 22248), (Start: 3 @22296 has 15 MA's), (4, 22341), (6, 22353), (8, 22377),

Gene: VA6_30 Start: 22452, Stop: 22718, Start Num: 3

Candidate Starts for VA6_30:

(1, 22296), (Start: 3 @22452 has 15 MA's), (4, 22497), (5, 22506), (7, 22521),

Gene: VC3_33 Start: 22440, Stop: 22706, Start Num: 3

Candidate Starts for VC3_33:

(1, 22284), (Start: 3 @22440 has 15 MA's), (4, 22485), (5, 22494), (7, 22509),