



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 102841 Report

This analysis was run 03/30/24 on database version 556.

Pham number 102841 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Omar_76
- Track 2 : Marav_74
- Track 3 : Thestral_74, TinaBelcher_72, TrvxScott_71
- Track 4 : Triumph_75
- Track 5 : BartholomewSD_77, Alvy_77
- Track 6 : Jevington_77
- Track 7 : Bowden_72
- Track 8 : Caelum_75

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alvy_77, BartholomewSD_77, Bowden_72, Caelum_75, Jevington_77, Marav_74, Omar_76, Thestral_74, TinaBelcher_72, Triumph_75, TrvxScott_71,

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

-

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

-

Summary by start number:

Start 2:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 10 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alvy_77 (BD2), BartholomewSD_77 (BD2), Bowden_72 (BD2), Caelum_75 (BD2), Jevington_77 (BD2), Marav_74 (BD2), Omar_76 (BD2), Thestral_74 (BD2), TinaBelcher_72 (BD2), Triumph_75 (BD2), TrvxScott_71 (BD2),

Summary by clusters:

There is one cluster represented in this pham: BD2

Info for manual annotations of cluster BD2:

- Start number 2 was manually annotated 10 times for cluster BD2.

Gene Information:

Gene: Alvy_77 Start: 48166, Stop: 47954, Start Num: 2

Candidate Starts for Alvy_77:

(Start: 2 @48166 has 10 MA's), (3, 48154), (4, 48121),

Gene: BartholomewSD_77 Start: 47285, Stop: 47073, Start Num: 2

Candidate Starts for BartholomewSD_77:

(Start: 2 @47285 has 10 MA's), (3, 47273), (4, 47240),

Gene: Bowden_72 Start: 47856, Stop: 47644, Start Num: 2

Candidate Starts for Bowden_72:

(Start: 2 @47856 has 10 MA's), (3, 47844), (4, 47811), (8, 47703),

Gene: Caelum_75 Start: 46132, Stop: 45920, Start Num: 2

Candidate Starts for Caelum_75:

(Start: 2 @46132 has 10 MA's), (5, 46069), (6, 46051),

Gene: Jevington_77 Start: 45795, Stop: 45583, Start Num: 2

Candidate Starts for Jevington_77:

(Start: 2 @45795 has 10 MA's),

Gene: Marav_74 Start: 45782, Stop: 45570, Start Num: 2

Candidate Starts for Marav_74:

(Start: 2 @45782 has 10 MA's), (6, 45701),

Gene: Omar_76 Start: 45145, Stop: 44933, Start Num: 2

Candidate Starts for Omar_76:

(Start: 2 @45145 has 10 MA's), (3, 45133), (6, 45064),

Gene: Thestral_74 Start: 47883, Stop: 47671, Start Num: 2

Candidate Starts for Thestral_74:

(Start: 2 @47883 has 10 MA's), (3, 47871), (4, 47838),

Gene: TinaBelcher_72 Start: 47745, Stop: 47533, Start Num: 2

Candidate Starts for TinaBelcher_72:

(Start: 2 @47745 has 10 MA's), (3, 47733), (4, 47700),

Gene: Triumph_75 Start: 46843, Stop: 46631, Start Num: 2

Candidate Starts for Triumph_75:

(1, 46870), (Start: 2 @46843 has 10 MA's), (5, 46780), (7, 46738), (9, 46663), (10, 46645),

Gene: TrvxScott_71 Start: 47850, Stop: 47638, Start Num: 2

Candidate Starts for TrvxScott_71:

(Start: 2 @47850 has 10 MA's), (3, 47838), (4, 47805),