



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 8370 Report

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

Pham number 8370 has 11 members, 5 are drafts.

Phages represented in each track:

- Track 1 : R4_61, ELB20_60
- Track 2 : Zainub_69, Paolo_66
- Track 3 : Daudau_61
- Track 4 : Marav_63, Jevington_63, Puginator_69
- Track 5 : Pablito_59
- Track 6 : Loofah_65
- Track 7 : Paedore_62

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Daudau_61, ELB20_60, Jevington_63, Loofah_65, Marav_63, Pablito_59, Paedore_62, Paolo_66, Puginator_69, R4_61, Zainub_69,

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 4:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Daudau_61 (BD2), ELB20_60 (BD2), Jevington_63 (BD2), Loofah_65 (BD2), Marav_63 (BD2), Pablito_59 (BD2), Paedore_62 (BD2), Paolo_66 (BD2), Puginator_69 (BD2), R4_61 (BD2), Zainub_69 (BD2),

Summary by clusters:

There is one cluster represented in this pham: BD2

Info for manual annotations of cluster BD2:

- Start number 4 was manually annotated 6 times for cluster BD2.

Gene Information:

Gene: Daudau_61 Start: 41760, Stop: 41356, Start Num: 4

Candidate Starts for Daudau_61:

(Start: 4 @41760 has 6 MA's), (7, 41523), (10, 41481), (12, 41451), (14, 41433), (15, 41385),

Gene: ELB20_60 Start: 42101, Stop: 41697, Start Num: 4

Candidate Starts for ELB20_60:

(Start: 4 @42101 has 6 MA's), (6, 41936), (8, 41858), (9, 41837), (10, 41822), (11, 41804),

Gene: Jevington_63 Start: 40783, Stop: 40379, Start Num: 4

Candidate Starts for Jevington_63:

(Start: 4 @40783 has 6 MA's), (7, 40552), (10, 40510), (12, 40480),

Gene: Loofah_65 Start: 42948, Stop: 42544, Start Num: 4

Candidate Starts for Loofah_65:

(Start: 4 @42948 has 6 MA's), (5, 42843), (9, 42684), (10, 42669), (11, 42651),

Gene: Marav_63 Start: 41306, Stop: 40902, Start Num: 4

Candidate Starts for Marav_63:

(Start: 4 @41306 has 6 MA's), (7, 41075), (10, 41033), (12, 41003),

Gene: Pablito_59 Start: 41105, Stop: 40710, Start Num: 4

Candidate Starts for Pablito_59:

(1, 41219), (3, 41174), (Start: 4 @41105 has 6 MA's), (10, 40835), (12, 40805), (13, 40793),

Gene: Paedore_62 Start: 42505, Stop: 42101, Start Num: 4

Candidate Starts for Paedore_62:

(2, 42598), (Start: 4 @42505 has 6 MA's), (5, 42400), (9, 42241), (10, 42226), (11, 42208),

Gene: Paolo_66 Start: 42470, Stop: 42066, Start Num: 4

Candidate Starts for Paolo_66:

(Start: 4 @42470 has 6 MA's), (7, 42239), (10, 42197),

Gene: Puginator_69 Start: 42519, Stop: 42115, Start Num: 4

Candidate Starts for Puginator_69:

(Start: 4 @42519 has 6 MA's), (7, 42288), (10, 42246), (12, 42216),

Gene: R4_61 Start: 42261, Stop: 41857, Start Num: 4

Candidate Starts for R4_61:

(Start: 4 @42261 has 6 MA's), (6, 42096), (8, 42018), (9, 41997), (10, 41982), (11, 41964),

Gene: Zainub_69 Start: 42445, Stop: 42041, Start Num: 4

Candidate Starts for Zainub_69:

(Start: 4 @42445 has 6 MA's), (7, 42214), (10, 42172),