



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 106895 Report

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

Pham number 106895 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Darwin_99, Zion_96, PeteyPab_95, PotatoChip_96, Kimchi1738_99
- Track 2 : Stickynote_94
- Track 3 : C3PO_97, Cruella_96

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

The start number called the most often in the published annotations is 1, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- C3PO_97, Cruella_96, Darwin_99, Kimchi1738_99, PeteyPab_95, PotatoChip_96, Zion_96,

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:

- Stickynote_94,

Summary by start number:

Start 1:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: C3PO_97 (EN), Cruella_96 (EN), Darwin_99 (EN), Kimchi1738_99 (EN), PeteyPab_95 (EN), PotatoChip_96 (EN), Zion_96 (EN),

Start 2:

- Found in 8 of 8 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Stickynote_94 (EN),

Summary by clusters:

There is one cluster represented in this pham: EN

Info for manual annotations of cluster EN:

- Start number 1 was manually annotated 7 times for cluster EN.
- Start number 2 was manually annotated 1 time for cluster EN.

Gene Information:

Gene: C3PO_97 Start: 65979, Stop: 66251, Start Num: 1

Candidate Starts for C3PO_97:

(Start: 1 @65979 has 7 MA's), (Start: 2 @66021 has 1 MA's), (3, 66075), (4, 66081), (5, 66105), (6, 66165), (7, 66195),

Gene: Cruella_96 Start: 65325, Stop: 65597, Start Num: 1

Candidate Starts for Cruella_96:

(Start: 1 @65325 has 7 MA's), (Start: 2 @65367 has 1 MA's), (3, 65421), (4, 65427), (5, 65451), (6, 65511), (7, 65541),

Gene: Darwin_99 Start: 66409, Stop: 66681, Start Num: 1

Candidate Starts for Darwin_99:

(Start: 1 @66409 has 7 MA's), (Start: 2 @66451 has 1 MA's), (3, 66505), (4, 66511), (5, 66535), (6, 66595), (7, 66625),

Gene: Kimchi1738_99 Start: 65494, Stop: 65766, Start Num: 1

Candidate Starts for Kimchi1738_99:

(Start: 1 @65494 has 7 MA's), (Start: 2 @65536 has 1 MA's), (3, 65590), (4, 65596), (5, 65620), (6, 65680), (7, 65710),

Gene: PeteyPab_95 Start: 65066, Stop: 65338, Start Num: 1

Candidate Starts for PeteyPab_95:

(Start: 1 @65066 has 7 MA's), (Start: 2 @65108 has 1 MA's), (3, 65162), (4, 65168), (5, 65192), (6, 65252), (7, 65282),

Gene: PotatoChip_96 Start: 64992, Stop: 65264, Start Num: 1

Candidate Starts for PotatoChip_96:

(Start: 1 @64992 has 7 MA's), (Start: 2 @65034 has 1 MA's), (3, 65088), (4, 65094), (5, 65118), (6, 65178), (7, 65208),

Gene: Stickynote_94 Start: 65913, Stop: 66143, Start Num: 2

Candidate Starts for Stickynote_94:

(Start: 2 @65913 has 1 MA's), (3, 65967), (4, 65973), (5, 65997), (6, 66057), (7, 66087),

Gene: Zion_96 Start: 65024, Stop: 65296, Start Num: 1

Candidate Starts for Zion_96:

(Start: 1 @65024 has 7 MA's), (Start: 2 @65066 has 1 MA's), (3, 65120), (4, 65126), (5, 65150), (6, 65210), (7, 65240),