



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 106685 Report

This analysis was run 04/05/24 on database version 557.

Pham number 106685 has 14 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Tribby_66, Correa_61
- Track 2 : GoCrazy_61, Heisenberger_61, Mudcat_59, Circum_64, JEGGS_61
- Track 3 : NapoleonB_64, Dynamite_64
- Track 4 : Elsa_63, Arcadia_63, Nason_63, Xenomorph_60
- Track 5 : Cheesy_63

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 12 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arcadia_63, Cheesy_63, Circum_64, Correa_61, Elsa_63, GoCrazy_61, Heisenberger_61, JEGGS_61, Mudcat_59, Nason_63, Tribby_66, Xenomorph_60,

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:

- Dynamite_64, NapoleonB_64,

Summary by start number:

Start 4:

- Found in 2 of 14 (14.3%) of genes in pham
- Manual Annotations of this start: 2 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Dynamite_64 (AM), NapoleonB_64 (AM),

Start 5:

- Found in 12 of 14 (85.7%) of genes in pham
- Manual Annotations of this start: 12 of 14
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Arcadia_63 (AM), Cheesy_63 (AM), Circum_64 (AM), Correa_61 (AM), Elsa_63 (AM), GoCrazy_61 (AM), Heisenberger_61 (AM), JEGGS_61 (AM), Mudcat_59 (AM), Nason_63 (AM), Tribby_66 (AM), Xenomorph_60 (AM),

Summary by clusters:

There is one cluster represented in this pham: AM

Info for manual annotations of cluster AM:

- Start number 4 was manually annotated 2 times for cluster AM.
- Start number 5 was manually annotated 12 times for cluster AM.

Gene Information:

Gene: Arcadia_63 Start: 41497, Stop: 41631, Start Num: 5

Candidate Starts for Arcadia_63:

(1, 41479), (Start: 5 @41497 has 12 MA's), (6, 41593), (8, 41614),

Gene: Cheesy_63 Start: 41203, Stop: 41355, Start Num: 5

Candidate Starts for Cheesy_63:

(1, 41185), (Start: 5 @41203 has 12 MA's),

Gene: Circum_64 Start: 41697, Stop: 41831, Start Num: 5

Candidate Starts for Circum_64:

(Start: 5 @41697 has 12 MA's), (6, 41793), (7, 41811),

Gene: Correa_61 Start: 40701, Stop: 40835, Start Num: 5

Candidate Starts for Correa_61:

(2, 40698), (Start: 5 @40701 has 12 MA's), (7, 40815), (8, 40818),

Gene: Dynamite_64 Start: 41757, Stop: 41909, Start Num: 4

Candidate Starts for Dynamite_64:

(3, 41754), (Start: 4 @41757 has 2 MA's),

Gene: Elsa_63 Start: 41497, Stop: 41631, Start Num: 5

Candidate Starts for Elsa_63:

(1, 41479), (Start: 5 @41497 has 12 MA's), (6, 41593), (8, 41614),

Gene: GoCrazy_61 Start: 41162, Stop: 41296, Start Num: 5

Candidate Starts for GoCrazy_61:

(Start: 5 @41162 has 12 MA's), (6, 41258), (7, 41276),

Gene: Heisenberger_61 Start: 40706, Stop: 40840, Start Num: 5

Candidate Starts for Heisenberger_61:

(Start: 5 @40706 has 12 MA's), (6, 40802), (7, 40820),

Gene: JEGGS_61 Start: 40785, Stop: 40919, Start Num: 5

Candidate Starts for JEGGS_61:

(Start: 5 @40785 has 12 MA's), (6, 40881), (7, 40899),

Gene: Mudcat_59 Start: 42143, Stop: 42277, Start Num: 5

Candidate Starts for Mudcat_59:

(Start: 5 @42143 has 12 MA's), (6, 42239), (7, 42257),

Gene: NapoleonB_64 Start: 41757, Stop: 41909, Start Num: 4

Candidate Starts for NapoleonB_64:

(3, 41754), (Start: 4 @41757 has 2 MA's),

Gene: Nason_63 Start: 41497, Stop: 41631, Start Num: 5

Candidate Starts for Nason_63:

(1, 41479), (Start: 5 @41497 has 12 MA's), (6, 41593), (8, 41614),

Gene: Tribby_66 Start: 42087, Stop: 42221, Start Num: 5

Candidate Starts for Tribby_66:

(2, 42084), (Start: 5 @42087 has 12 MA's), (7, 42201), (8, 42204),

Gene: Xenomorph_60 Start: 41168, Stop: 41302, Start Num: 5

Candidate Starts for Xenomorph_60:

(1, 41150), (Start: 5 @41168 has 12 MA's), (6, 41264), (8, 41285),