



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 161012 Report

This analysis was run 04/28/24 on database version 559.

Pham number 161012 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : TeddyBear_62, Gershwin_62
- Track 2 : Erla_62
- Track 3 : Renzie_63, Dave_63, Antoinette_63
- Track 4 : Asta_65

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 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Antoinette_63, Dave_63, Erla_62, Renzie_63,

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

- Asta_65, Gershwin_62, TeddyBear_62,

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

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Summary by start number:

Start 1:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 4 of 6
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Antoinette_63 (EA1), Dave_63 (EA1), Erla_62 (EA1), Renzie_63 (EA1),

Start 2:

- Found in 7 of 7 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Asta_65 (EA1),

Start 3:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Gershwin_62 (EA1), TeddyBear_62 (EA1),

Summary by clusters:

There is one cluster represented in this pham: EA1

Info for manual annotations of cluster EA1:

- Start number 1 was manually annotated 4 times for cluster EA1.
- Start number 3 was manually annotated 2 times for cluster EA1.

Gene Information:

Gene: Antoinette_63 Start: 41033, Stop: 41674, Start Num: 1

Candidate Starts for Antoinette_63:

(Start: 1 @41033 has 4 MA's), (2, 41045), (Start: 3 @41051 has 2 MA's), (4, 41075), (5, 41141), (6, 41147), (7, 41231), (8, 41354), (9, 41384), (11, 41489), (13, 41528), (14, 41534), (15, 41576), (16, 41603), (17, 41660),

Gene: Asta_65 Start: 40742, Stop: 41371, Start Num: 2

Candidate Starts for Asta_65:

(Start: 1 @40730 has 4 MA's), (2, 40742), (Start: 3 @40748 has 2 MA's), (4, 40772), (5, 40838), (7, 40928), (8, 41051), (9, 41081), (10, 41093), (11, 41186), (13, 41225), (14, 41231), (15, 41273), (16, 41300), (17, 41357),

Gene: Dave_63 Start: 41033, Stop: 41674, Start Num: 1

Candidate Starts for Dave_63:

(Start: 1 @41033 has 4 MA's), (2, 41045), (Start: 3 @41051 has 2 MA's), (4, 41075), (5, 41141), (6, 41147), (7, 41231), (8, 41354), (9, 41384), (11, 41489), (13, 41528), (14, 41534), (15, 41576), (16, 41603), (17, 41660),

Gene: Erla_62 Start: 40713, Stop: 41354, Start Num: 1

Candidate Starts for Erla_62:

(Start: 1 @40713 has 4 MA's), (2, 40725), (Start: 3 @40731 has 2 MA's), (4, 40755), (5, 40821), (6, 40827), (7, 40911), (8, 41034), (9, 41064), (11, 41169), (12, 41172), (13, 41208), (14, 41214), (15, 41256), (16, 41283), (17, 41340),

Gene: Gershwin_62 Start: 40748, Stop: 41371, Start Num: 3

Candidate Starts for Gershwin_62:

(Start: 1 @40730 has 4 MA's), (2, 40742), (Start: 3 @40748 has 2 MA's), (4, 40772), (5, 40838), (7, 40928), (8, 41051), (9, 41081), (10, 41093), (11, 41186), (13, 41225), (14, 41231), (15, 41273), (16, 41300), (17, 41357),

Gene: Renzie_63 Start: 41033, Stop: 41674, Start Num: 1

Candidate Starts for Renzie_63:

(Start: 1 @41033 has 4 MA's), (2, 41045), (Start: 3 @41051 has 2 MA's), (4, 41075), (5, 41141), (6, 41147), (7, 41231), (8, 41354), (9, 41384), (11, 41489), (13, 41528), (14, 41534), (15, 41576), (16,

41603), (17, 41660),

Gene: TeddyBear_62 Start: 40748, Stop: 41371, Start Num: 3

Candidate Starts for TeddyBear_62:

(Start: 1 @40730 has 4 MA's), (2, 40742), (Start: 3 @40748 has 2 MA's), (4, 40772), (5, 40838), (7, 40928), (8, 41051), (9, 41081), (10, 41093), (11, 41186), (13, 41225), (14, 41231), (15, 41273), (16, 41300), (17, 41357),