



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 190316 Report

This analysis was run 11/02/24 on database version 579.

Pham number 190316 has 9 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Halsey_79, SpecialK_74
- Track 2 : Donkey_66, Cappuccino_65, Mysterium_66, Sooty_66, Ashes_70
- Track 3 : CallinAllBarbz_63
- Track 4 : BaileyBlu_62

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

The start number called the most often in the published annotations is 3, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BaileyBlu_62, CallinAllBarbz_63,

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:

- Ashes_70, Cappuccino_65, Donkey_66, Halsey_79, Mysterium_66, Sooty_66, SpecialK_74,

Summary by start number:

Start 3:

- Found in 2 of 9 (22.2%) of genes in pham
- Manual Annotations of this start: 2 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BaileyBlu_62 (FP), CallinAllBarbz_63 (FP),

Start 4:

- Found in 7 of 9 (77.8%) of genes in pham
- No Manual Annotations of this start.
- Called 71.4% of time when present

- Phage (with cluster) where this start called: Ashes_70 (AZ5), Cappuccino_65 (AZ5), Donkey_66 (AZ5), Mysterium_66 (AZ5), Sooty_66 (AZ5),

Start 5:

- Found in 7 of 9 (77.8%) of genes in pham
- No Manual Annotations of this start.
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Halsey_79 (AZ5), SpecialK_74 (AZ5),

Summary by clusters:

There are 2 clusters represented in this pham: FP, AZ5,

Info for manual annotations of cluster FP:

- Start number 3 was manually annotated 2 times for cluster FP.

Gene Information:

Gene: Ashes_70 Start: 39865, Stop: 40107, Start Num: 4

Candidate Starts for Ashes_70:

(2, 39805), (4, 39865), (5, 39871),

Gene: BaileyBlu_62 Start: 39793, Stop: 40005, Start Num: 3

Candidate Starts for BaileyBlu_62:

(Start: 3 @39793 has 2 MA's),

Gene: CallinAllBarbz_63 Start: 40544, Stop: 40756, Start Num: 3

Candidate Starts for CallinAllBarbz_63:

(1, 40505), (Start: 3 @40544 has 2 MA's), (6, 40652),

Gene: Cappuccino_65 Start: 39745, Stop: 39987, Start Num: 4

Candidate Starts for Cappuccino_65:

(2, 39685), (4, 39745), (5, 39751),

Gene: Donkey_66 Start: 39735, Stop: 39977, Start Num: 4

Candidate Starts for Donkey_66:

(2, 39675), (4, 39735), (5, 39741),

Gene: Halsey_79 Start: 39847, Stop: 40083, Start Num: 5

Candidate Starts for Halsey_79:

(2, 39781), (4, 39841), (5, 39847),

Gene: Mysterium_66 Start: 39643, Stop: 39885, Start Num: 4

Candidate Starts for Mysterium_66:

(2, 39583), (4, 39643), (5, 39649),

Gene: Sooty_66 Start: 39748, Stop: 39990, Start Num: 4

Candidate Starts for Sooty_66:

(2, 39688), (4, 39748), (5, 39754),

Gene: SpecialK_74 Start: 39717, Stop: 39953, Start Num: 5
Candidate Starts for SpecialK_74:
(2, 39651), (4, 39711), (5, 39717),