



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 106658 Report

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

Pham number 106658 has 17 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Rebeuca_51, WalterMcMickey_49, Twister_49, Kristoff_51
- Track 2 : Trike_49, PeaceMeal1_49, KittenMittens_48, Poompha_50, Topanga_49, RhynO_52, Edison31_49, Severus_49
- Track 3 : Drake94_49
- Track 4 : Chupacabra_50
- Track 5 : OKCentral2016_50, Goose_51
- Track 6 : Eaglepride_52

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

The start number called the most often in the published annotations is 2, it was called in 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Chupacabra_50, Drake94_49, Eaglepride_52, Edison31_49, Goose_51, KittenMittens_48, Kristoff_51, OKCentral2016_50, PeaceMeal1_49, Poompha_50, Rebeuca_51, RhynO_52, Severus_49, Topanga_49, Trike_49, Twister_49, WalterMcMickey_49,

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 2:

- Found in 17 of 17 (100.0%) of genes in pham
- Manual Annotations of this start: 16 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Chupacabra_50 (A10), Drake94_49 (A10), Eaglepride_52 (A10), Edison31_49 (A10), Goose_51 (A10), KittenMittens_48 (A10), Kristoff_51 (A10), OKCentral2016_50 (A10), PeaceMeal1_49 (A10),

Poompha_50 (A10), Rebeuca_51 (A10), RhynO_52 (A10), Severus_49 (A10), Topanga_49 (A10), Trike_49 (A10), Twister_49 (A10), WalterMcMickey_49 (A10),

Summary by clusters:

There is one cluster represented in this pham: A10

Info for manual annotations of cluster A10:

- Start number 2 was manually annotated 16 times for cluster A10.

Gene Information:

Gene: Chupacabra_50 Start: 35531, Stop: 35379, Start Num: 2

Candidate Starts for Chupacabra_50:

(1, 35594), (Start: 2 @35531 has 16 MA's),

Gene: Drake94_49 Start: 34742, Stop: 34596, Start Num: 2

Candidate Starts for Drake94_49:

(Start: 2 @34742 has 16 MA's), (3, 34607),

Gene: Eaglepride_52 Start: 35595, Stop: 35449, Start Num: 2

Candidate Starts for Eaglepride_52:

(1, 35658), (Start: 2 @35595 has 16 MA's), (3, 35460),

Gene: Edison31_49 Start: 35534, Stop: 35388, Start Num: 2

Candidate Starts for Edison31_49:

(Start: 2 @35534 has 16 MA's), (3, 35399),

Gene: Goose_51 Start: 35344, Stop: 35192, Start Num: 2

Candidate Starts for Goose_51:

(1, 35407), (Start: 2 @35344 has 16 MA's),

Gene: KittenMittens_48 Start: 34750, Stop: 34604, Start Num: 2

Candidate Starts for KittenMittens_48:

(Start: 2 @34750 has 16 MA's), (3, 34615),

Gene: Kristoff_51 Start: 35892, Stop: 35746, Start Num: 2

Candidate Starts for Kristoff_51:

(1, 35955), (Start: 2 @35892 has 16 MA's), (3, 35757),

Gene: OKCentral2016_50 Start: 35247, Stop: 35095, Start Num: 2

Candidate Starts for OKCentral2016_50:

(1, 35310), (Start: 2 @35247 has 16 MA's),

Gene: PeaceMeal1_49 Start: 34751, Stop: 34605, Start Num: 2

Candidate Starts for PeaceMeal1_49:

(Start: 2 @34751 has 16 MA's), (3, 34616),

Gene: Poompha_50 Start: 34749, Stop: 34603, Start Num: 2

Candidate Starts for Poompha_50:

(Start: 2 @34749 has 16 MA's), (3, 34614),

Gene: Rebeuca_51 Start: 35893, Stop: 35747, Start Num: 2
Candidate Starts for Rebeuca_51:
(1, 35956), (Start: 2 @35893 has 16 MA's), (3, 35758),

Gene: RhynO_52 Start: 35695, Stop: 35549, Start Num: 2
Candidate Starts for RhynO_52:
(Start: 2 @35695 has 16 MA's), (3, 35560),

Gene: Severus_49 Start: 34749, Stop: 34603, Start Num: 2
Candidate Starts for Severus_49:
(Start: 2 @34749 has 16 MA's), (3, 34614),

Gene: Topanga_49 Start: 35537, Stop: 35391, Start Num: 2
Candidate Starts for Topanga_49:
(Start: 2 @35537 has 16 MA's), (3, 35402),

Gene: Trike_49 Start: 34758, Stop: 34612, Start Num: 2
Candidate Starts for Trike_49:
(Start: 2 @34758 has 16 MA's), (3, 34623),

Gene: Twister_49 Start: 35454, Stop: 35308, Start Num: 2
Candidate Starts for Twister_49:
(1, 35517), (Start: 2 @35454 has 16 MA's), (3, 35319),

Gene: WalterMcMickey_49 Start: 35454, Stop: 35308, Start Num: 2
Candidate Starts for WalterMcMickey_49:
(1, 35517), (Start: 2 @35454 has 16 MA's), (3, 35319),