Pham 106682

8
10
1: Goose_64 + 3
8
9
10
2: Eaglepride_65
8
10
3: PeaceMeal1_61 + 3
6
8
10
4: Trike_60
1
2
3
4
5
7
8
10
5: OKCentral2016_62
8
10
6: Kimona_63 + 2

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 106682 Report

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

Pham number 106682 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Goose_64, Topanga_60, WalterMcMickey_62, Twister_62
• Track 2 : Eaglepride_65
• Track 3 : PeaceMeal1_61, Drake94_61, KittenMittens_60, Severus_61
• Track 4 : Trike_60
• Track 5 : OKCentral2016_62
• Track 6 : Kimona_63, Rebeuca_64, RhynO_63

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

The start number called the most often in the published annotations is 8, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Drake94_61, Eaglepride_65, Goose_64, Kimona_63, KittenMittens_60, OKCentral2016_62, PeaceMeal1_61, Rebeuca_64, RhynO_63, Severus_61, Topanga_60, Trike_60, Twister_62, WalterMcMickey_62,

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 8:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 14 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Drake94_61 (A10), Eaglepride_65 (A10), Goose_64 (A10), Kimona_63 (A19), KittenMittens_60 (A10), OKCentral2016_62 (A10), PeaceMeal1_61 (A10), Rebeuca_64 (A10), RhynO_63 (A10), Severus_61 (A10), Topanga_60 (A10), Trike_60 (A10), Twister_62 (A10), WalterMcMickey_62 (A10),

Summary by clusters:

There are 2 clusters represented in this pham: A19, A10,

Info for manual annotations of cluster A10:
•Start number 8 was manually annotated 13 times for cluster A10.

Info for manual annotations of cluster A19:
•Start number 8 was manually annotated 1 time for cluster A19.

Gene Information:

Gene: Drake94_61 Start: 40082, Stop: 40008, Start Num: 8
Candidate Starts for Drake94_61:
(Start: 8 @40082 has 14 MA's), (10, 40031),

Gene: Eaglepride_65 Start: 41114, Stop: 41034, Start Num: 8
Candidate Starts for Eaglepride_65:
(Start: 8 @41114 has 14 MA's), (9, 41108), (10, 41063),

Gene: Goose_64 Start: 40823, Stop: 40740, Start Num: 8
Candidate Starts for Goose_64:
(Start: 8 @40823 has 14 MA's), (10, 40772),

Gene: Kimona_63 Start: 40716, Stop: 40645, Start Num: 8
Candidate Starts for Kimona_63:
(Start: 8 @40716 has 14 MA's), (10, 40668),

Gene: KittenMittens_60 Start: 40090, Stop: 40016, Start Num: 8
Candidate Starts for KittenMittens_60:
(Start: 8 @40090 has 14 MA's), (10, 40039),

Gene: OKCentral2016_62 Start: 40566, Stop: 40483, Start Num: 8
Candidate Starts for OKCentral2016_62:
(1, 41064), (2, 41058), (3, 41037), (4, 41001), (5, 40953), (7, 40932), (Start: 8 @40566 has 14 MA's), (10, 40515),

Gene: PeaceMeal1_61 Start: 40091, Stop: 40017, Start Num: 8
Candidate Starts for PeaceMeal1_61:
(Start: 8 @40091 has 14 MA's), (10, 40040),

Gene: Rebeuca_64 Start: 41405, Stop: 41322, Start Num: 8
Candidate Starts for Rebeuca_64:
(Start: 8 @41405 has 14 MA's), (10, 41354),

Gene: RhynO_63 Start: 41046, Stop: 40963, Start Num: 8
Candidate Starts for RhynO_63:
(Start: 8 @41046 has 14 MA's), (10, 40995),

Gene: Severus_61 Start: 40089, Stop: 40015, Start Num: 8

Candidate Starts for Severus_61:
(Start: 8 @40089 has 14 MA's), (10, 40038),

Gene: Topanga_60 Start: 40885, Stop: 40802, Start Num: 8
Candidate Starts for Topanga_60:
(Start: 8 @40885 has 14 MA's), (10, 40834),

Gene: Trike_60 Start: 40096, Stop: 40022, Start Num: 8
Candidate Starts for Trike_60:
(6, 40465), (Start: 8 @40096 has 14 MA's), (10, 40045),

Gene: Twister_62 Start: 41006, Stop: 40923, Start Num: 8
Candidate Starts for Twister_62:
(Start: 8 @41006 has 14 MA's), (10, 40955),

Gene: WalterMcMickey_62 Start: 41006, Stop: 40923, Start Num: 8
Candidate Starts for WalterMcMickey_62:
(Start: 8 @41006 has 14 MA's), (10, 40955),