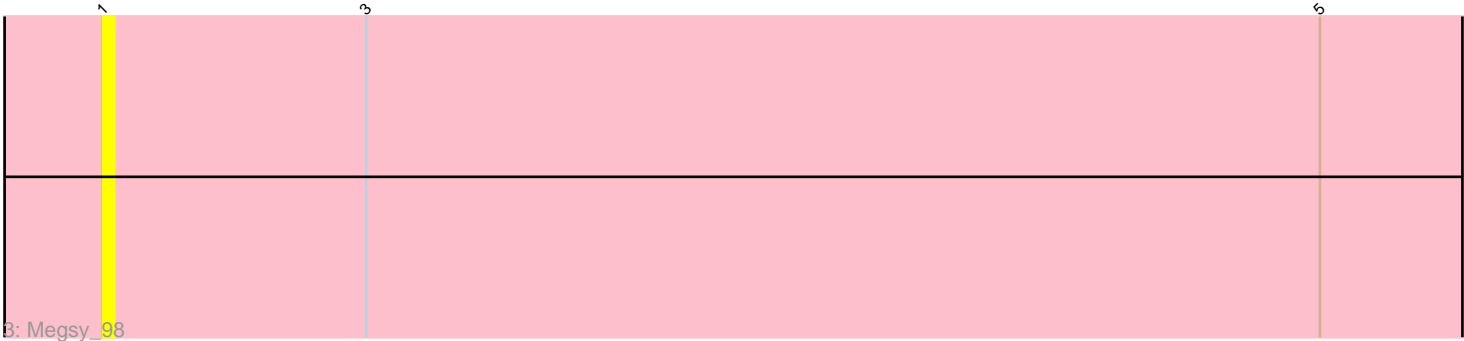


Zoomed Pham 87639



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 87639 Report

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

Pham number 87639 has 11 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Amelie_74, LilPharaoh_75, Binglebops_74, SgtBeansprout_75, Nutello_74, Enkosi_76, Nikao_77, Mdavu_75
- Track 2 : LastHope_100
- Track 3 : Megsy_98
- Track 4 : Pharb_90

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 9 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Amelie_74, Binglebops_74, Enkosi_76, LastHope_100, LilPharaoh_75, Mdavu_75, Megsy_98, Nikao_77, Nutello_74, Pharb_90, SgtBeansprout_75,

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 1:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 9
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amelie_74 (K1), Binglebops_74 (K1), Enkosi_76 (K1), LastHope_100 (K1), LilPharaoh_75 (K1), Mdavu_75 (K1), Megsy_98 (K1), Nikao_77 (K1), Nutello_74 (K1), Pharb_90 (K3), SgtBeansprout_75 (K1),

Summary by clusters:

There are 2 clusters represented in this pham: K3, K1,

Info for manual annotations of cluster K1:

- Start number 1 was manually annotated 9 times for cluster K1.

Gene Information:

Gene: Amelie_74 Start: 54240, Stop: 54659, Start Num: 1

Candidate Starts for Amelie_74:

(Start: 1 @54240 has 9 MA's), (2, 54243), (6, 54360), (9, 54438), (11, 54522), (14, 54645),

Gene: Binglebops_74 Start: 54255, Stop: 54674, Start Num: 1

Candidate Starts for Binglebops_74:

(Start: 1 @54255 has 9 MA's), (2, 54258), (6, 54375), (9, 54453), (11, 54537), (14, 54660),

Gene: Enkosi_76 Start: 56853, Stop: 57272, Start Num: 1

Candidate Starts for Enkosi_76:

(Start: 1 @56853 has 9 MA's), (2, 56856), (6, 56973), (9, 57051), (11, 57135), (14, 57258),

Gene: LastHope_100 Start: 59197, Stop: 59616, Start Num: 1

Candidate Starts for LastHope_100:

(Start: 1 @59197 has 9 MA's), (5, 59308), (8, 59359), (9, 59395), (11, 59479), (12, 59500),

Gene: LilPharaoh_75 Start: 53968, Stop: 54387, Start Num: 1

Candidate Starts for LilPharaoh_75:

(Start: 1 @53968 has 9 MA's), (2, 53971), (6, 54088), (9, 54166), (11, 54250), (14, 54373),

Gene: Mdavu_75 Start: 54244, Stop: 54663, Start Num: 1

Candidate Starts for Mdavu_75:

(Start: 1 @54244 has 9 MA's), (2, 54247), (6, 54364), (9, 54442), (11, 54526), (14, 54649),

Gene: Megsy_98 Start: 58630, Stop: 59049, Start Num: 1

Candidate Starts for Megsy_98:

(Start: 1 @58630 has 9 MA's), (3, 58654), (5, 58741), (8, 58792), (9, 58828), (11, 58912), (12, 58933),

Gene: Nikao_77 Start: 56853, Stop: 57272, Start Num: 1

Candidate Starts for Nikao_77:

(Start: 1 @56853 has 9 MA's), (2, 56856), (6, 56973), (9, 57051), (11, 57135), (14, 57258),

Gene: Nutello_74 Start: 54240, Stop: 54659, Start Num: 1

Candidate Starts for Nutello_74:

(Start: 1 @54240 has 9 MA's), (2, 54243), (6, 54360), (9, 54438), (11, 54522), (14, 54645),

Gene: Pharb_90 Start: 56458, Stop: 56877, Start Num: 1

Candidate Starts for Pharb_90:

(Start: 1 @56458 has 9 MA's), (4, 56548), (5, 56569), (7, 56593), (9, 56656), (10, 56731), (12, 56761), (13, 56827), (14, 56863),

Gene: SgtBeansprout_75 Start: 54240, Stop: 54659, Start Num: 1

Candidate Starts for SgtBeansprout_75:

(Start: 1 @54240 has 9 MA's), (2, 54243), (6, 54360), (9, 54438), (11, 54522), (14, 54645),

