Pham 167189

1: MyraDee_55

2: Astro_61 + 1

3: Smeadley_61 + 3

4: Roary_62 + 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 167189 Report

This analysis was run 07/09/24 on database version 566.

Pham number 167189 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : MyraDee_55
• Track 2 : Astro_61, Groundhog_60
• Track 3 : Smeadley_61, Saintus_56, Expelliarmus_58, NearlyHeadless_61
• Track 4 : Roary_62, Dixon_60, Danforth_61

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

The start number called the most often in the published annotations is 4, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Astro_61, Danforth_61, Dixon_60, Expelliarmus_58, Groundhog_60, NearlyHeadless_61, Roary_62, Saintus_56, Smeadley_61,

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

Genes that do not have the "Most Annotated" start:
• MyraDee_55,

Summary by start number:

Start 4:
• Found in 9 of 10 (90.0%) of genes in pham
• Manual Annotations of this start: 9 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Astro_61 (A8), Danforth_61 (A8), Dixon_60 (A8), Expelliarmus_58 (A8), Groundhog_60 (A8), NearlyHeadless_61 (A8), Roary_62 (A8), Saintus_56 (A8), Smeadley_61 (A8),

Start 5:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present

• Phage (with cluster) where this start called: MyraDee_55 (A18),

Summary by clusters:

There are 2 clusters represented in this pham: A8, A18,

Info for manual annotations of cluster A18:
•Start number 5 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A8:
•Start number 4 was manually annotated 9 times for cluster A8.

Gene Information:

Gene: Astro_61 Start: 38525, Stop: 38367, Start Num: 4
Candidate Starts for Astro_61:
(1, 38687), (2, 38672), (3, 38606), (Start: 4 @38525 has 9 MA's), (6, 38507), (8, 38408),

Gene: Danforth_61 Start: 38588, Stop: 38430, Start Num: 4
Candidate Starts for Danforth_61:
(1, 38750), (2, 38735), (Start: 4 @38588 has 9 MA's), (8, 38471),

Gene: Dixon_60 Start: 38108, Stop: 37950, Start Num: 4
Candidate Starts for Dixon_60:
(1, 38270), (2, 38255), (Start: 4 @38108 has 9 MA's), (8, 37991),

Gene: Expelliarmus_58 Start: 38312, Stop: 38154, Start Num: 4
Candidate Starts for Expelliarmus_58:
(1, 38474), (2, 38459), (Start: 4 @38312 has 9 MA's), (6, 38294), (8, 38195),

Gene: Groundhog_60 Start: 38503, Stop: 38345, Start Num: 4
Candidate Starts for Groundhog_60:
(1, 38665), (2, 38650), (3, 38584), (Start: 4 @38503 has 9 MA's), (6, 38485), (8, 38386),

Gene: MyraDee_55 Start: 35884, Stop: 35729, Start Num: 5
Candidate Starts for MyraDee_55:
(Start: 5 @35884 has 1 MA's), (6, 35869), (7, 35788), (8, 35770),

Gene: NearlyHeadless_61 Start: 38354, Stop: 38196, Start Num: 4
Candidate Starts for NearlyHeadless_61:
(1, 38516), (2, 38501), (Start: 4 @38354 has 9 MA's), (6, 38336), (8, 38237),

Gene: Roary_62 Start: 38573, Stop: 38415, Start Num: 4
Candidate Starts for Roary_62:
(1, 38735), (2, 38720), (Start: 4 @38573 has 9 MA's), (8, 38456),

Gene: Saintus_56 Start: 35238, Stop: 35083, Start Num: 4
Candidate Starts for Saintus_56:
(1, 35400), (2, 35385), (Start: 4 @35238 has 9 MA's), (6, 35220), (8, 35124),

Gene: Smeadley_61 Start: 38434, Stop: 38276, Start Num: 4

Candidate Starts for Smeadley_61:
(1, 38596), (2, 38581), (Start: 4 @38434 has 9 MA's), (6, 38416), (8, 38317),