Pham 107212

1: Gaea_70 + 2

2: Flatwoods_69

3: Tardus_78

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 107212 Report

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

Pham number 107212 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Gaea_70, Bizzy_70, Tangerine_70
• Track 2 : Flatwoods_69
• Track 3 : Tardus_78

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

The start number called the most often in the published annotations is 9, it was called in 4 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bizzy_70, Flatwoods_69, Gaea_70, Tangerine_70,

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

Genes that do not have the "Most Annotated" start:
• Tardus_78,

Summary by start number:

Start 7:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Tardus_78 (DE4),

Start 9:
• Found in 4 of 5 (80.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bizzy_70 (DE1), Flatwoods_69 (DE1), Gaea_70 (DE1), Tangerine_70 (DE1),

Summary by clusters:

There are 2 clusters represented in this pham: DE1, DE4,

Info for manual annotations of cluster DE1:
•Start number 9 was manually annotated 4 times for cluster DE1.

Info for manual annotations of cluster DE4:
•Start number 7 was manually annotated 1 time for cluster DE4.

Gene Information:

Gene: Bizzy_70 Start: 52148, Stop: 52231, Start Num: 9
Candidate Starts for Bizzy_70:
(1, 51218), (2, 51395), (3, 52031), (4, 52112), (5, 52124), (Start: 7 @52130 has 1 MA's), (Start: 9 @52148 has 4 MA's), (10, 52199),

Gene: Flatwoods_69 Start: 51457, Stop: 51540, Start Num: 9
Candidate Starts for Flatwoods_69:
(3, 51340), (4, 51421), (5, 51433), (Start: 7 @51439 has 1 MA's), (Start: 9 @51457 has 4 MA's), (10, 51508),

Gene: Gaea_70 Start: 52054, Stop: 52137, Start Num: 9
Candidate Starts for Gaea_70:
(1, 51124), (2, 51301), (3, 51937), (4, 52018), (5, 52030), (Start: 7 @52036 has 1 MA's), (Start: 9 @52054 has 4 MA's), (10, 52105),

Gene: Tangerine_70 Start: 52323, Stop: 52406, Start Num: 9
Candidate Starts for Tangerine_70:
(1, 51393), (2, 51570), (3, 52206), (4, 52287), (5, 52299), (Start: 7 @52305 has 1 MA's), (Start: 9 @52323 has 4 MA's), (10, 52374),

Gene: Tardus_78 Start: 54965, Stop: 55075, Start Num: 7
Candidate Starts for Tardus_78:
(6, 54962), (Start: 7 @54965 has 1 MA's), (8, 54971), (10, 55034),