Pham 28149

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 28149 Report

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

Pham number 28149 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Evy_11, Warpy_12, Warpy_264, Jay2Jay_267, Jay2Jay_12
• Track 2 : Evy_249

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 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Evy_11, Jay2Jay_12, Jay2Jay_267, Warpy_12, Warpy_264,

Genes that have the "Most Annotated" start but do not call it:
• Evy_249,

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

Summary by start number:

Start 1:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Evy_11 (BE1), Jay2Jay_12 (BE1), Jay2Jay_267 (BE1), Warpy_12 (BE1), Warpy_264 (BE1),

Start 2:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Evy_249 (BE1),

Summary by clusters:

There is one cluster represented in this pham: BE1

Info for manual annotations of cluster BE1:
•Start number 1 was manually annotated 5 times for cluster BE1.
•Start number 2 was manually annotated 1 time for cluster BE1.

Gene Information:

Gene: Evy_11 Start: 6364, Stop: 6218, Start Num: 1
Candidate Starts for Evy_11:
(Start: 1 @6364 has 5 MA's), (Start: 2 @6358 has 1 MA's), (3, 6343), (4, 6289), (5, 6274), (6, 6265), (7, 6262), (8, 6229),

Gene: Evy_249 Start: 128087, Stop: 127947, Start Num: 2
Candidate Starts for Evy_249:
(Start: 1 @128093 has 5 MA's), (Start: 2 @128087 has 1 MA's), (3, 128072), (4, 128018), (5, 128003), (6, 127994), (7, 127991), (8, 127958),

Gene: Jay2Jay_267 Start: 128161, Stop: 128015, Start Num: 1
Candidate Starts for Jay2Jay_267:
(Start: 1 @128161 has 5 MA's), (Start: 2 @128155 has 1 MA's), (3, 128140), (4, 128086), (5, 128071), (6, 128062), (7, 128059), (8, 128026),

Gene: Jay2Jay_12 Start: 6068, Stop: 5922, Start Num: 1
Candidate Starts for Jay2Jay_12:
(Start: 1 @6068 has 5 MA's), (Start: 2 @6062 has 1 MA's), (3, 6047), (4, 5993), (5, 5978), (6, 5969), (7, 5966), (8, 5933),

Gene: Warpy_12 Start: 6089, Stop: 5943, Start Num: 1
Candidate Starts for Warpy_12:
(Start: 1 @6089 has 5 MA's), (Start: 2 @6083 has 1 MA's), (3, 6068), (4, 6014), (5, 5999), (6, 5990), (7, 5987), (8, 5954),

Gene: Warpy_264 Start: 127627, Stop: 127481, Start Num: 1
Candidate Starts for Warpy_264:
(Start: 1 @127627 has 5 MA's), (Start: 2 @127621 has 1 MA's), (3, 127606), (4, 127552), (5, 127537), (6, 127528), (7, 127525), (8, 127492),