Pham 132724

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 132724 Report

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

Pham number 132724 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Jojo24_14
• Track 2 : Tarzan_14, DonkeyMan_14
• Track 3 : Reyja_15
• Track 4 : Hibiscus_14
• Track 5 : Heinz_14
• Track 6 : Santhid_14

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

The start number called the most often in the published annotations is 15, it was called in 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DonkeyMan_14, Heinz_14, Hibiscus_14, Jojo24_14, Reyja_15, Santhid_14, Tarzan_14,

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 15:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DonkeyMan_14 (DY), Heinz_14 (DY), Hibiscus_14 (DY), Jojo24_14 (DY), Reyja_15 (DY), Santhid_14 (DY), Tarzan_14 (DY),

Summary by clusters:

There is one cluster represented in this pham: DY

Info for manual annotations of cluster DY:
•Start number 15 was manually annotated 5 times for cluster DY.

Gene Information:

Gene: DonkeyMan_14 Start: 8928, Stop: 9542, Start Num: 15
Candidate Starts for DonkeyMan_14:
(Start: 15 @8928 has 5 MA's), (16, 9024), (19, 9225), (21, 9324), (22, 9357), (23, 9426), (25, 9447),

Gene: Heinz_14 Start: 8959, Stop: 9483, Start Num: 15
Candidate Starts for Heinz_14:
(1, 7540), (2, 7555), (3, 7579), (4, 7678), (5, 7738), (6, 7918), (7, 7987), (8, 8092), (9, 8146), (10, 8170), (13, 8551), (14, 8572), (Start: 15 @8959 has 5 MA's), (20, 9166), (21, 9265), (22, 9298), (23, 9367), (25, 9388),

Gene: Hibiscus_14 Start: 8943, Stop: 9500, Start Num: 15
Candidate Starts for Hibiscus_14:
(11, 8517), (12, 8526), (Start: 15 @8943 has 5 MA's), (17, 9048), (19, 9192), (21, 9282), (22, 9315), (24, 9387), (25, 9405),

Gene: Jojo24_14 Start: 8937, Stop: 9494, Start Num: 15
Candidate Starts for Jojo24_14:
(Start: 15 @8937 has 5 MA's), (17, 9042), (19, 9186), (21, 9276), (22, 9309), (24, 9381), (25, 9399),

Gene: Reyja_15 Start: 9079, Stop: 9672, Start Num: 15
Candidate Starts for Reyja_15:
(Start: 15 @9079 has 5 MA's), (16, 9184), (18, 9319), (19, 9364), (21, 9454), (25, 9577),

Gene: Santhid_14 Start: 8945, Stop: 9502, Start Num: 15
Candidate Starts for Santhid_14:
(Start: 15 @8945 has 5 MA's), (19, 9194), (21, 9284), (22, 9317), (24, 9389), (25, 9407),

Gene: Tarzan_14 Start: 8933, Stop: 9547, Start Num: 15
Candidate Starts for Tarzan_14:
(Start: 15 @8933 has 5 MA's), (16, 9029), (19, 9230), (21, 9329), (22, 9362), (23, 9431), (25, 9452),