Pham 8118

1: Shlim410_34 + 3

2: Eyes_34

3: BBQValindra_34

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 8118 Report

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

Pham number 8118 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Shlim410_34, Hortense_35, Twinkle_34, Howe_35
• Track 2 : Eyes_34
• Track 3 : BBQValindra_34

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BBQValindra_34, Eyes_34, Hortense_35, Howe_35, Shlim410_34, Twinkle_34,

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 3:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BBQValindra_34 (DB), Eyes_34 (DB), Hortense_35 (CZ4), Howe_35 (CZ4), Shlim410_34 (CZ4), Twinkle_34 (CZ4),

Summary by clusters:

There are 2 clusters represented in this pham: DB, CZ4,

Info for manual annotations of cluster CZ4:
•Start number 3 was manually annotated 4 times for cluster CZ4.

Info for manual annotations of cluster DB:
•Start number 3 was manually annotated 2 times for cluster DB.

Gene Information:

Gene: BBQValindra_34 Start: 29431, Stop: 28814, Start Num: 3
Candidate Starts for BBQValindra_34:
(1, 29485), (Start: 3 @29431 has 6 MA's), (4, 29374), (8, 29254), (9, 29230), (10, 29212), (14, 29161), (15, 29062), (16, 29047), (17, 28954),

Gene: Eyes_34 Start: 29938, Stop: 29318, Start Num: 3
Candidate Starts for Eyes_34:
(2, 29986), (Start: 3 @29938 has 6 MA's), (4, 29881), (5, 29872), (8, 29761), (9, 29737), (11, 29713), (12, 29710), (14, 29668), (15, 29569), (16, 29554), (18, 29455), (19, 29443), (20, 29422),

Gene: Hortense_35 Start: 30615, Stop: 29995, Start Num: 3
Candidate Starts for Hortense_35:
(Start: 3 @30615 has 6 MA's), (5, 30549), (6, 30540), (7, 30510), (8, 30438), (10, 30396), (11, 30390), (13, 30372), (15, 30246), (21, 30036),

Gene: Howe_35 Start: 30615, Stop: 29995, Start Num: 3
Candidate Starts for Howe_35:
(Start: 3 @30615 has 6 MA's), (5, 30549), (6, 30540), (7, 30510), (8, 30438), (10, 30396), (11, 30390), (13, 30372), (15, 30246), (21, 30036),

Gene: Shlim410_34 Start: 30615, Stop: 29995, Start Num: 3
Candidate Starts for Shlim410_34:
(Start: 3 @30615 has 6 MA's), (5, 30549), (6, 30540), (7, 30510), (8, 30438), (10, 30396), (11, 30390), (13, 30372), (15, 30246), (21, 30036),

Gene: Twinkle_34 Start: 31674, Stop: 31054, Start Num: 3
Candidate Starts for Twinkle_34:
(Start: 3 @31674 has 6 MA's), (5, 31608), (6, 31599), (7, 31569), (8, 31497), (10, 31455), (11, 31449), (13, 31431), (15, 31305), (21, 31095),