Pham 107035

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 107035 Report

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

Pham number 107035 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Beans_46
• Track 2 : Jawnski_45
• Track 3 : Piccoletto_46
• Track 4 : King2_45
• Track 5 : Franzy_46, Brent_46
• Track 6 : NathanVaag_46

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Beans_46, Brent_46, Franzy_46, Jawnski_45, King2_45, NathanVaag_46, Piccoletto_46,

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 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Beans_46 (AO1), Brent_46 (AO1), Franzy_46 (AO1), Jawnski_45 (AO1), King2_45 (AO1), NathanVaag_46 (AO1), Piccoletto_46 (AO1),

Summary by clusters:

There is one cluster represented in this pham: AO1

Info for manual annotations of cluster AO1:
•Start number 3 was manually annotated 7 times for cluster AO1.

Gene Information:

Gene: Beans_46 Start: 36411, Stop: 36662, Start Num: 3
Candidate Starts for Beans_46:
(2, 36399), (Start: 3 @36411 has 7 MA's), (4, 36537), (5, 36603), (6, 36636),

Gene: Brent_46 Start: 36668, Stop: 36919, Start Num: 3
Candidate Starts for Brent_46:
(2, 36656), (Start: 3 @36668 has 7 MA's), (5, 36860), (6, 36893), (7, 36902),

Gene: Franzy_46 Start: 36684, Stop: 36935, Start Num: 3
Candidate Starts for Franzy_46:
(2, 36672), (Start: 3 @36684 has 7 MA's), (5, 36876), (6, 36909), (7, 36918),

Gene: Jawnski_45 Start: 36192, Stop: 36443, Start Num: 3
Candidate Starts for Jawnski_45:
(1, 36138), (2, 36180), (Start: 3 @36192 has 7 MA's), (5, 36384), (6, 36417), (7, 36426),

Gene: King2_45 Start: 36515, Stop: 36766, Start Num: 3
Candidate Starts for King2_45:
(2, 36503), (Start: 3 @36515 has 7 MA's), (5, 36707), (6, 36740), (7, 36749),

Gene: NathanVaag_46 Start: 36427, Stop: 36678, Start Num: 3
Candidate Starts for NathanVaag_46:
(2, 36415), (Start: 3 @36427 has 7 MA's), (4, 36553), (5, 36619), (6, 36652),

Gene: Piccoletto_46 Start: 36490, Stop: 36741, Start Num: 3
Candidate Starts for Piccoletto_46:
(2, 36478), (Start: 3 @36490 has 7 MA's), (4, 36616), (5, 36682),