Pham 173534

1: BarretLemon_18 + 4

2: Pippa_18

3: Abba_17

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 173534 Report

This analysis was run 11/02/24 on database version 579.

Pham number 173534 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BarretLemon_18, LeeroyJ_18, Timinator_18, GravityBall_18, StevieBAY_18
• Track 2 : Pippa_18
• Track 3 : Abba_17

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BarretLemon_18, GravityBall_18, LeeroyJ_18, StevieBAY_18, Timinator_18,

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

Genes that do not have the "Most Annotated" start:
• Abba_17, Pippa_18,

Summary by start number:

Start 1:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pippa_18 (AO2),

Start 2:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarretLemon_18 (AO2), GravityBall_18 (AO2), LeeroyJ_18 (AO2), StevieBAY_18 (AO2), Timinator_18 (AO2),

Start 3:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abba_17 (AO3),

Summary by clusters:

There are 2 clusters represented in this pham: AO3, AO2,

Info for manual annotations of cluster AO2:
•Start number 1 was manually annotated 1 time for cluster AO2.
•Start number 2 was manually annotated 4 times for cluster AO2.

Info for manual annotations of cluster AO3:
•Start number 3 was manually annotated 1 time for cluster AO3.

Gene Information:
Gene: Abba_17 Start: 13343, Stop: 13483, Start Num: 3
Candidate Starts for Abba_17:
(Start: 3 @13343 has 1 MA's), (5, 13379),

Gene: BarretLemon_18 Start: 13553, Stop: 13729, Start Num: 2
Candidate Starts for BarretLemon_18:
(Start: 2 @13553 has 4 MA's), (4, 13604), (7, 13655),

Gene: GravityBall_18 Start: 13552, Stop: 13728, Start Num: 2
Candidate Starts for GravityBall_18:
(Start: 2 @13552 has 4 MA's), (4, 13603), (7, 13654),

Gene: LeeroyJ_18 Start: 13552, Stop: 13728, Start Num: 2
Candidate Starts for LeeroyJ_18:
(Start: 2 @13552 has 4 MA's), (4, 13603), (7, 13654),

Gene: Pippa_18 Start: 13588, Stop: 13782, Start Num: 1
Candidate Starts for Pippa_18:
(Start: 1 @13588 has 1 MA's), (6, 13687), (8, 13711),

Gene: StevieBAY_18 Start: 13552, Stop: 13728, Start Num: 2
Candidate Starts for StevieBAY_18:
(Start: 2 @13552 has 4 MA's), (4, 13603), (7, 13654),

Gene: Timinator_18 Start: 13552, Stop: 13728, Start Num: 2
Candidate Starts for Timinator_18:
(Start: 2 @13552 has 4 MA's), (4, 13603), (7, 13654),