Pham 106956

1: DarthPhader_34

2: WideWale_34 + 4

3: Piro94_33

4: HarryHoudini_35
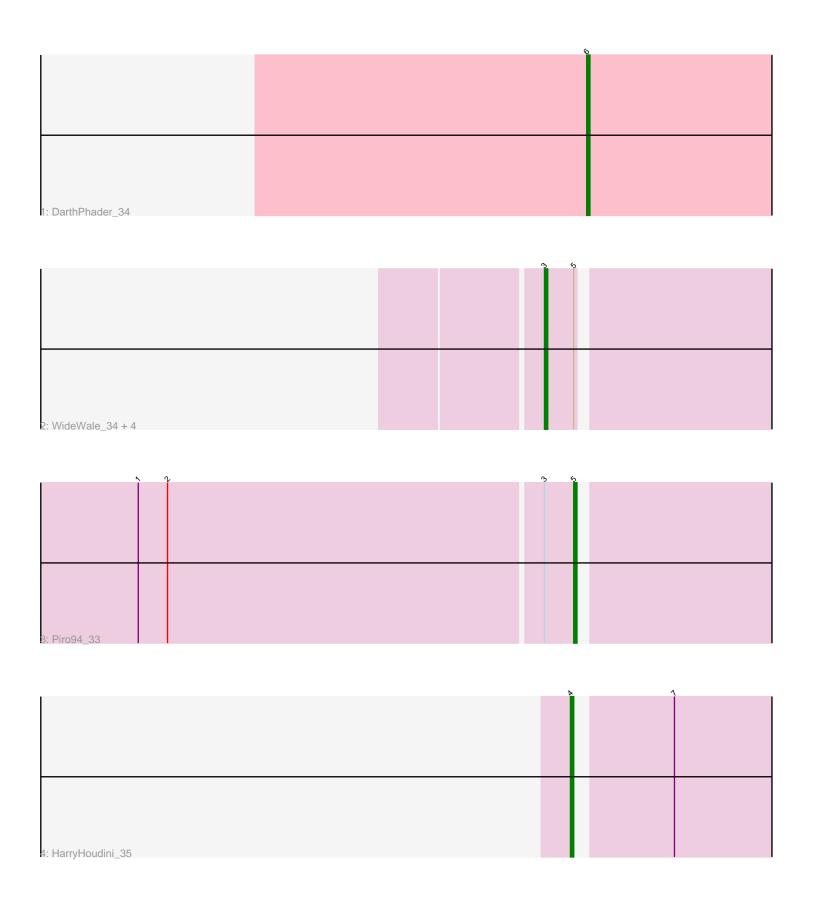
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 106956 Report

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

Pham number 106956 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : DarthPhader_34
• Track 2 : WideWale_34, Centaur_34, Baehexic_33, Equemioh13_34, Updawg_34
• Track 3 : Piro94_33
• Track 4 : HarryHoudini_35

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 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Baehexic_33, Centaur_34, Equemioh13_34, Updawg_34, WideWale_34,

Genes that have the "Most Annotated" start but do not call it:
• Piro94_33,

Genes that do not have the "Most Annotated" start:
• DarthPhader_34, HarryHoudini_35,

Summary by start number:

Start 3:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Baehexic_33 (A2), Centaur_34 (A2), Equemioh13_34 (A2), Updawg_34 (A2), WideWale_34 (A2),

Start 4:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: HarryHoudini_35 (A2),

Start 5:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Piro94_33 (A2),

Start 6:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DarthPhader_34 (A12),

Summary by clusters:

There are 2 clusters represented in this pham: A2, A12,

Info for manual annotations of cluster A12:
•Start number 6 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A2:
•Start number 3 was manually annotated 5 times for cluster A2.
•Start number 4 was manually annotated 1 time for cluster A2.
•Start number 5 was manually annotated 1 time for cluster A2.

Gene Information:

Gene: Baehexic_33 Start: 25493, Stop: 25705, Start Num: 3
Candidate Starts for Baehexic_33:
(Start: 3 @25493 has 5 MA's), (Start: 5 @25502 has 1 MA's),

Gene: Centaur_34 Start: 25471, Stop: 25683, Start Num: 3
Candidate Starts for Centaur_34:
(Start: 3 @25471 has 5 MA's), (Start: 5 @25480 has 1 MA's),

Gene: DarthPhader_34 Start: 26410, Stop: 26613, Start Num: 6
Candidate Starts for DarthPhader_34:
(Start: 6 @26410 has 1 MA's),

Gene: Equemioh13_34 Start: 25474, Stop: 25686, Start Num: 3
Candidate Starts for Equemioh13_34:
(Start: 3 @25474 has 5 MA's), (Start: 5 @25483 has 1 MA's),

Gene: HarryHoudini_35 Start: 25587, Stop: 25790, Start Num: 4
Candidate Starts for HarryHoudini_35:
(Start: 4 @25587 has 1 MA's), (7, 25614),

Gene: Piro94_33 Start: 25395, Stop: 25598, Start Num: 5
Candidate Starts for Piro94_33:
(1, 25263), (2, 25272), (Start: 3 @25386 has 5 MA's), (Start: 5 @25395 has 1 MA's),

Gene: Updawg_34 Start: 25474, Stop: 25686, Start Num: 3

Candidate Starts for Updawg_34:
(Start: 3 @25474 has 5 MA's), (Start: 5 @25483 has 1 MA's),

Gene: WideWale_34 Start: 25474, Stop: 25686, Start Num: 3
Candidate Starts for WideWale_34:
(Start: 3 @25474 has 5 MA's), (Start: 5 @25483 has 1 MA's),