Pham 6820

1: Yelo_8 + 6

2: Rope_8

3: MontyDev_9

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 6820 Report

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

Pham number 6820 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Yelo_8, Zenon_9, Send513_8, Candle_8, Papyrus_9, Riparian_8, Nilo_9
• Track 2 : Rope_8
• Track 3 : MontyDev_9

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

The start number called the most often in the published annotations is 4, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candle_8, Nilo_9, Papyrus_9, Riparian_8, Rope_8, Send513_8, Yelo_8, Zenon_9,

Genes that have the "Most Annotated" start but do not call it:
• MontyDev_9,

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

Summary by start number:

Start 4:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Candle_8 (R), Nilo_9 (R), Papyrus_9 (R), Riparian_8 (R), Rope_8 (R), Send513_8 (R), Yelo_8 (R), Zenon_9 (R),

Start 5:
• Found in 9 of 9 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 11.1% of time when present
• Phage (with cluster) where this start called: MontyDev_9 (R),

Summary by clusters:

There is one cluster represented in this pham: R

Info for manual annotations of cluster R:
•Start number 4 was manually annotated 7 times for cluster R.

Gene Information:

Gene: Candle_8 Start: 5356, Stop: 5586, Start Num: 4
Candidate Starts for Candle_8:
(1, 5248), (2, 5266), (Start: 4 @5356 has 7 MA's), (5, 5371),

Gene: MontyDev_9 Start: 5370, Stop: 5585, Start Num: 5
Candidate Starts for MontyDev_9:
(1, 5247), (2, 5265), (Start: 4 @5355 has 7 MA's), (5, 5370),

Gene: Nilo_9 Start: 5356, Stop: 5586, Start Num: 4
Candidate Starts for Nilo_9:
(1, 5248), (2, 5266), (Start: 4 @5356 has 7 MA's), (5, 5371),

Gene: Papyrus_9 Start: 5356, Stop: 5586, Start Num: 4
Candidate Starts for Papyrus_9:
(1, 5248), (2, 5266), (Start: 4 @5356 has 7 MA's), (5, 5371),

Gene: Riparian_8 Start: 5053, Stop: 5283, Start Num: 4
Candidate Starts for Riparian_8:
(1, 4945), (2, 4963), (Start: 4 @5053 has 7 MA's), (5, 5068),

Gene: Rope_8 Start: 5244, Stop: 5474, Start Num: 4
Candidate Starts for Rope_8:
(3, 5187), (Start: 4 @5244 has 7 MA's), (5, 5259),

Gene: Send513_8 Start: 5356, Stop: 5586, Start Num: 4
Candidate Starts for Send513_8:
(1, 5248), (2, 5266), (Start: 4 @5356 has 7 MA's), (5, 5371),

Gene: Yelo_8 Start: 5356, Stop: 5586, Start Num: 4
Candidate Starts for Yelo_8:
(1, 5248), (2, 5266), (Start: 4 @5356 has 7 MA's), (5, 5371),

Gene: Zenon_9 Start: 5356, Stop: 5586, Start Num: 4
Candidate Starts for Zenon_9:
(1, 5248), (2, 5266), (Start: 4 @5356 has 7 MA's), (5, 5371),