Pham 87655

1: Send513_94 + 2

2: Weiss13_95

3: Papyrus_95 + 1

4: Rope_94 + 3

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 87655 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87655 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Send513_94, Nilo_98, Yelo_92
• Track 2 : Weiss13_95
• Track 3 : Papyrus_95, Riparian_97
• Track 4 : Rope_94, MontyDev_95, Candle_91, Zenon_97

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

The start number called the most often in the published annotations is 1, it was called in 5 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Candle_91, MontyDev_95, Nilo_98, Rope_94, Send513_94, Yelo_92, Zenon_97,

Genes that have the "Most Annotated" start but do not call it:
• Papyrus_95, Riparian_97, Weiss13_95,

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

Summary by start number:

Start 1:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 8
• Called 70.0% of time when present
• Phage (with cluster) where this start called: Candle_91 (R), MontyDev_95 (R), Nilo_98 (R), Rope_94 (R), Send513_94 (R), Yelo_92 (R), Zenon_97 (R),

Start 2:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 8
• Called 30.0% of time when present
• Phage (with cluster) where this start called: Papyrus_95 (R), Riparian_97 (R), Weiss13_95 (R),

Summary by clusters:

There is one cluster represented in this pham: R

Info for manual annotations of cluster R:
•Start number 1 was manually annotated 5 times for cluster R.
•Start number 2 was manually annotated 3 times for cluster R.

Gene Information:
Gene: Candle_91 Start: 69835, Stop: 69981, Start Num: 1
Candidate Starts for Candle_91:
(Start: 1 @69835 has 5 MA's), (Start: 2 @69844 has 3 MA's), (5, 69904), (6, 69925), (7, 69931),

Gene: MontyDev_95 Start: 69699, Stop: 69848, Start Num: 1
Candidate Starts for MontyDev_95:
(Start: 1 @69699 has 5 MA's), (Start: 2 @69708 has 3 MA's), (5, 69768), (6, 69789), (7, 69795),

Gene: Nilo_98 Start: 70200, Stop: 70349, Start Num: 1
Candidate Starts for Nilo_98:
(Start: 1 @70200 has 5 MA's), (Start: 2 @70209 has 3 MA's), (3, 70236), (5, 70269), (6, 70290), (7, 70296),

Gene: Papyrus_95 Start: 69142, Stop: 69279, Start Num: 2
Candidate Starts for Papyrus_95:
(Start: 1 @69133 has 5 MA's), (Start: 2 @69142 has 3 MA's), (5, 69202), (6, 69223), (7, 69229),

Gene: Riparian_97 Start: 69653, Stop: 69793, Start Num: 2
Candidate Starts for Riparian_97:
(Start: 1 @69644 has 5 MA's), (Start: 2 @69653 has 3 MA's), (5, 69713), (6, 69734), (7, 69740),

Gene: Rope_94 Start: 69452, Stop: 69601, Start Num: 1
Candidate Starts for Rope_94:
(Start: 1 @69452 has 5 MA's), (Start: 2 @69461 has 3 MA's), (5, 69521), (6, 69542), (7, 69548),

Gene: Send513_94 Start: 69989, Stop: 70138, Start Num: 1
Candidate Starts for Send513_94:
(Start: 1 @69989 has 5 MA's), (Start: 2 @69998 has 3 MA's), (3, 70025), (5, 70058), (6, 70079), (7, 70085),

Gene: Weiss13_95 Start: 69891, Stop: 70031, Start Num: 2
Candidate Starts for Weiss13_95:
(Start: 1 @69882 has 5 MA's), (Start: 2 @69891 has 3 MA's), (3, 69918), (4, 69921), (5, 69951), (6, 69972), (7, 69978),

Gene: Yelo_92 Start: 69882, Stop: 70031, Start Num: 1
Candidate Starts for Yelo_92:
(Start: 1 @69882 has 5 MA's), (Start: 2 @69891 has 3 MA's), (3, 69918), (5, 69951), (6, 69972), (7, 69978),

Gene: Zenon_97 Start: 70175, Stop: 70324, Start Num: 1
Candidate Starts for Zenon_97:
(Start: 1 @70175 has 5 MA's), (Start: 2 @70184 has 3 MA's), (5, 70244), (6, 70265), (7, 70271),