Pham 87699

1: MontyDev_68 + 8

2: Nilo_70

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 87699 Report

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

Pham number 87699 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : MontyDev_68, Send513_68, Papyrus_68, Yelo_67, Riparian_70, Zenon_70, Rope_68, Candle_66, Weiss13_68
• Track 2 : Nilo_70

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

Genes that call this "Most Annotated" start:
• Candle_66, MontyDev_68, Papyrus_68, Riparian_70, Rope_68, Send513_68, Weiss13_68, Yelo_67, Zenon_70,

Genes that have the "Most Annotated" start but do not call it:
• Nilo_70,

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: 1 of 8
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Nilo_70 (R),

Start 2:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Candle_66 (R), MontyDev_68 (R), Papyrus_68 (R), Riparian_70 (R), Rope_68 (R), Send513_68 (R), Weiss13_68 (R), Yelo_67 (R), Zenon_70 (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 1 time for cluster R.
•Start number 2 was manually annotated 7 times for cluster R.

Gene Information:
Gene: Candle_66 Start: 50108, Stop: 50557, Start Num: 2
Candidate Starts for Candle_66:
(Start: 1 @50051 has 1 MA's), (Start: 2 @50108 has 7 MA's), (3, 50162), (4, 50195), (5, 50210), (6, 50330), (7, 50510),

Gene: MontyDev_68 Start: 49753, Stop: 50202, Start Num: 2
Candidate Starts for MontyDev_68:
(Start: 1 @49696 has 1 MA's), (Start: 2 @49753 has 7 MA's), (3, 49807), (4, 49840), (5, 49855), (6, 49975), (7, 50155),

Gene: Nilo_70 Start: 50050, Stop: 50556, Start Num: 1
Candidate Starts for Nilo_70:
(Start: 1 @50050 has 1 MA's), (Start: 2 @50107 has 7 MA's), (3, 50161), (4, 50194), (5, 50209), (6, 50329), (7, 50509),

Gene: Papyrus_68 Start: 49718, Stop: 50167, Start Num: 2
Candidate Starts for Papyrus_68:
(Start: 1 @49661 has 1 MA's), (Start: 2 @49718 has 7 MA's), (3, 49772), (4, 49805), (5, 49820), (6, 49940), (7, 50120),

Gene: Riparian_70 Start: 49555, Stop: 50004, Start Num: 2
Candidate Starts for Riparian_70:
(Start: 1 @49498 has 1 MA's), (Start: 2 @49555 has 7 MA's), (3, 49609), (4, 49642), (5, 49657), (6, 49777), (7, 49957),

Gene: Rope_68 Start: 49709, Stop: 50158, Start Num: 2
Candidate Starts for Rope_68:
(Start: 1 @49652 has 1 MA's), (Start: 2 @49709 has 7 MA's), (3, 49763), (4, 49796), (5, 49811), (6, 49931), (7, 50111),

Gene: Send513_68 Start: 50086, Stop: 50535, Start Num: 2
Candidate Starts for Send513_68:
(Start: 1 @50029 has 1 MA's), (Start: 2 @50086 has 7 MA's), (3, 50140), (4, 50173), (5, 50188), (6, 50308), (7, 50488),

Gene: Weiss13_68 Start: 49792, Stop: 50241, Start Num: 2
Candidate Starts for Weiss13_68:
(Start: 1 @49735 has 1 MA's), (Start: 2 @49792 has 7 MA's), (3, 49846), (4, 49879), (5, 49894), (6, 50014), (7, 50194),

Gene: Yelo_67 Start: 50169, Stop: 50618, Start Num: 2
Candidate Starts for Yelo_67:
(Start: 1 @50112 has 1 MA's), (Start: 2 @50169 has 7 MA's), (3, 50223), (4, 50256), (5, 50271), (6, 50391), (7, 50571),

Gene: Zenon_70 Start: 50115, Stop: 50564, Start Num: 2
Candidate Starts for Zenon_70:
(Start: 1 @50058 has 1 MA's), (Start: 2 @50115 has 7 MA's), (3, 50169), (4, 50202), (5, 50217), (6, 50337), (7, 50517),