Pham 10743

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 10743 Report

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

Pham number 10743 has 8 members, 3 are drafts.

Phages represented in each track:
• Track 1 : GantcherGoblin_78, Uzumaki_79
• Track 2 : Zeina_83
• Track 3 : Argan_79
• Track 4 : Renaldo_87
• Track 5 : Lewando_82
• Track 6 : Leathea_83
• Track 7 : BarbieDoll_84

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

Genes that call this "Most Annotated" start:
• Argan_79, GantcherGoblin_78, Uzumaki_79,

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

Genes that do not have the "Most Annotated" start:
• BarbieDoll_84, Leathea_83, Lewando_82, Renaldo_87, Zeina_83,

Summary by start number:

Start 2:
• Found in 3 of 8 (37.5%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Argan_79 (AU6), GantcherGoblin_78 (AU6), Uzumaki_79 (AU6),

Start 3:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 5

• Called 62.5% of time when present
• Phage (with cluster) where this start called: BarbieDoll_84 (AU6), Leathea_83 (AU6), Lewando_82 (AU6), Renaldo_87 (AU6), Zeina_83 (AU6),

Summary by clusters:

There is one cluster represented in this pham: AU6

Info for manual annotations of cluster AU6:
•Start number 2 was manually annotated 3 times for cluster AU6.
•Start number 3 was manually annotated 2 times for cluster AU6.

Gene Information:

Gene: Argan_79 Start: 47796, Stop: 48131, Start Num: 2
Candidate Starts for Argan_79:
(Start: 2 @47796 has 3 MA's), (Start: 3 @47799 has 2 MA's), (10, 47910), (18, 48033), (19, 48120),

Gene: BarbieDoll_84 Start: 49390, Stop: 49722, Start Num: 3
Candidate Starts for BarbieDoll_84:
(Start: 3 @49390 has 2 MA's), (4, 49429), (5, 49447), (7, 49471), (9, 49492), (14, 49528), (16, 49582),

Gene: GantcherGoblin_78 Start: 47957, Stop: 48292, Start Num: 2
Candidate Starts for GantcherGoblin_78:
(1, 47843), (Start: 2 @47957 has 3 MA's), (Start: 3 @47960 has 2 MA's), (10, 48071), (18, 48194), (19, 48281),

Gene: Leathea_83 Start: 47988, Stop: 48320, Start Num: 3
Candidate Starts for Leathea_83:
(Start: 3 @47988 has 2 MA's), (12, 48117), (13, 48126), (15, 48129), (17, 48189), (18, 48222), (19, 48309),

Gene: Lewando_82 Start: 49178, Stop: 49510, Start Num: 3
Candidate Starts for Lewando_82:
(Start: 3 @49178 has 2 MA's), (8, 49262), (11, 49295), (12, 49307), (13, 49316), (16, 49370),

Gene: Renaldo_87 Start: 49387, Stop: 49719, Start Num: 3
Candidate Starts for Renaldo_87:
(Start: 3 @49387 has 2 MA's), (8, 49471), (11, 49504), (13, 49525), (16, 49579),

Gene: Uzumaki_79 Start: 47925, Stop: 48260, Start Num: 2
Candidate Starts for Uzumaki_79:
(1, 47811), (Start: 2 @47925 has 3 MA's), (Start: 3 @47928 has 2 MA's), (10, 48039), (18, 48162), (19, 48249),

Gene: Zeina_83 Start: 48639, Stop: 48971, Start Num: 3
Candidate Starts for Zeina_83:
(Start: 3 @48639 has 2 MA's), (6, 48708), (16, 48831), (18, 48873), (19, 48960),