Pham 7613

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 7613 Report

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

Pham number 7613 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : NHagos_81
• Track 2 : CloverMinnie_83, Wooper_85, CaiB_84, MossRose_83, AnarQue_85
• Track 3 : MakoManhole_83

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AnarQue_85, CaiB_84, CloverMinnie_83, MossRose_83, Wooper_85,

Genes that have the "Most Annotated" start but do not call it:
• MakoManhole_83,

Genes that do not have the "Most Annotated" start:
• NHagos_81,

Summary by start number:

Start 7:
• Found in 6 of 7 (85.7%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: MakoManhole_83 (DR),

Start 8:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NHagos_81 (DR),

Start 9:
• Found in 6 of 7 (85.7%) of genes in pham

• Manual Annotations of this start: 5 of 6
• Called 83.3% of time when present
• Phage (with cluster) where this start called: AnarQue_85 (DR), CaiB_84 (DR), CloverMinnie_83 (DR), MossRose_83 (DR), Wooper_85 (DR),

Summary by clusters:

There is one cluster represented in this pham: DR

Info for manual annotations of cluster DR:
•Start number 8 was manually annotated 1 time for cluster DR.
•Start number 9 was manually annotated 5 times for cluster DR.

Gene Information:
Gene: AnarQue_85 Start: 61493, Stop: 61326, Start Num: 9
Candidate Starts for AnarQue_85:
(1, 61808), (2, 61784), (3, 61748), (4, 61601), (5, 61592), (6, 61550), (7, 61496), (Start: 9 @61493 has 5 MA's), (10, 61463), (11, 61442), (13, 61430), (15, 61391), (16, 61382),

Gene: CaiB_84 Start: 61291, Stop: 61124, Start Num: 9
Candidate Starts for CaiB_84:
(1, 61606), (2, 61582), (3, 61546), (4, 61399), (5, 61390), (6, 61348), (7, 61294), (Start: 9 @61291 has 5 MA's), (10, 61261), (11, 61240), (13, 61228), (15, 61189), (16, 61180),

Gene: CloverMinnie_83 Start: 60769, Stop: 60602, Start Num: 9
Candidate Starts for CloverMinnie_83:
(1, 61084), (2, 61060), (3, 61024), (4, 60877), (5, 60868), (6, 60826), (7, 60772), (Start: 9 @60769 has 5 MA's), (10, 60739), (11, 60718), (13, 60706), (15, 60667), (16, 60658),

Gene: MakoManhole_83 Start: 61266, Stop: 61096, Start Num: 7
Candidate Starts for MakoManhole_83:
(1, 61578), (2, 61554), (3, 61518), (4, 61371), (5, 61362), (6, 61320), (7, 61266), (Start: 9 @61263 has 5 MA's), (10, 61233), (11, 61212), (13, 61200), (15, 61161), (16, 61152),

Gene: MossRose_83 Start: 60743, Stop: 60576, Start Num: 9
Candidate Starts for MossRose_83:
(1, 61058), (2, 61034), (3, 60998), (4, 60851), (5, 60842), (6, 60800), (7, 60746), (Start: 9 @60743 has 5 MA's), (10, 60713), (11, 60692), (13, 60680), (15, 60641), (16, 60632),

Gene: NHagos_81 Start: 59275, Stop: 59108, Start Num: 8
Candidate Starts for NHagos_81:
(Start: 8 @59275 has 1 MA's), (11, 59224), (12, 59215), (13, 59212), (14, 59185), (15, 59173), (16, 59164), (17, 59158),

Gene: Wooper_85 Start: 60826, Stop: 60659, Start Num: 9
Candidate Starts for Wooper_85:
(1, 61141), (2, 61117), (3, 61081), (4, 60934), (5, 60925), (6, 60883), (7, 60829), (Start: 9 @60826 has 5 MA's), (10, 60796), (11, 60775), (13, 60763), (15, 60724), (16, 60715),