Pham 203685

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 203685 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203685 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Piper2020_92, DocMcStuffins_85, Aloeri_91, ChickenDinner_91, TootsiePop_87, Misha28_87
• Track 2 : Awesomesauce_88

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

Genes that call this "Most Annotated" start:
• Aloeri_91, ChickenDinner_91, DocMcStuffins_85, Misha28_87, Piper2020_92, TootsiePop_87,

Genes that have the "Most Annotated" start but do not call it:
• Awesomesauce_88,

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

Summary by start number:

Start 1:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Awesomesauce_88 (F1),

Start 2:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Aloeri_91 (F1), ChickenDinner_91 (F1), DocMcStuffins_85 (F1), Misha28_87 (F1), Piper2020_92 (F1), TootsiePop_87 (F1),

Summary by clusters:

There is one cluster represented in this pham: F1

Info for manual annotations of cluster F1:
•Start number 1 was manually annotated 1 time for cluster F1.
•Start number 2 was manually annotated 4 times for cluster F1.

Gene Information:
Gene: Aloeri_91 Start: 52965, Stop: 53369, Start Num: 2
Candidate Starts for Aloeri_91:
(Start: 1 @52872 has 1 MA's), (Start: 2 @52965 has 4 MA's), (3, 53046), (4, 53136), (5, 53190),

Gene: Awesomesauce_88 Start: 53108, Stop: 53605, Start Num: 1
Candidate Starts for Awesomesauce_88:
(Start: 1 @53108 has 1 MA's), (Start: 2 @53201 has 4 MA's), (3, 53282), (4, 53372), (5, 53426),

Gene: ChickenDinner_91 Start: 52965, Stop: 53369, Start Num: 2
Candidate Starts for ChickenDinner_91:
(Start: 1 @52872 has 1 MA's), (Start: 2 @52965 has 4 MA's), (3, 53046), (4, 53136), (5, 53190),

Gene: DocMcStuffins_85 Start: 54595, Stop: 54999, Start Num: 2
Candidate Starts for DocMcStuffins_85:
(Start: 1 @54502 has 1 MA's), (Start: 2 @54595 has 4 MA's), (3, 54676), (4, 54766), (5, 54820),

Gene: Misha28_87 Start: 53900, Stop: 54304, Start Num: 2
Candidate Starts for Misha28_87:
(Start: 1 @53807 has 1 MA's), (Start: 2 @53900 has 4 MA's), (3, 53981), (4, 54071), (5, 54125),

Gene: Piper2020_92 Start: 54148, Stop: 54552, Start Num: 2
Candidate Starts for Piper2020_92:
(Start: 1 @54055 has 1 MA's), (Start: 2 @54148 has 4 MA's), (3, 54229), (4, 54319), (5, 54373),

Gene: TootsiePop_87 Start: 53900, Stop: 54304, Start Num: 2
Candidate Starts for TootsiePop_87:
(Start: 1 @53807 has 1 MA's), (Start: 2 @53900 has 4 MA's), (3, 53981), (4, 54071), (5, 54125),