Pham 143049

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 143049 Report

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

Pham number 143049 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Raleigh_50
• Track 2 : Darolandstone_52
• Track 3 : Ignacio_55, Piccadilly_55, AxeJC_55, Eklok_55, Eastland_55, Vondra_54, HFrancette_56, Cumberbatch_56

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

The start number called the most often in the published annotations is 8, it was called in 8 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• AxeJC_55, Cumberbatch_56, Eastland_55, Eklok_55, HFrancette_56, Ignacio_55, Piccadilly_55, Vondra_54,

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

Genes that do not have the "Most Annotated" start:
• Darolandstone_52, Raleigh_50,

Summary by start number:

Start 8:
• Found in 8 of 10 (80.0%) of genes in pham
• Manual Annotations of this start: 8 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AxeJC_55 (BP), Cumberbatch_56 (BP), Eastland_55 (BP), Eklok_55 (BP), HFrancette_56 (BP), Ignacio_55 (BP), Piccadilly_55 (BP), Vondra_54 (BP),

Start 9:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Darolandstone_52 (BC2), Raleigh_50 (BC2),

Summary by clusters:

There are 2 clusters represented in this pham: BP, BC2,

Info for manual annotations of cluster BC2:
•Start number 9 was manually annotated 2 times for cluster BC2.

Info for manual annotations of cluster BP:
•Start number 8 was manually annotated 8 times for cluster BP.

Gene Information:
Gene: AxeJC_55 Start: 35732, Stop: 36058, Start Num: 8
Candidate Starts for AxeJC_55:
(Start: 8 @35732 has 8 MA's), (11, 35798),

Gene: Cumberbatch_56 Start: 35617, Stop: 35943, Start Num: 8
Candidate Starts for Cumberbatch_56:
(Start: 8 @35617 has 8 MA's), (11, 35683),

Gene: Darolandstone_52 Start: 38558, Stop: 38884, Start Num: 9
Candidate Starts for Darolandstone_52:
(Start: 9 @38558 has 2 MA's), (10, 38573), (13, 38678), (14, 38801),

Gene: Eastland_55 Start: 35577, Stop: 35903, Start Num: 8
Candidate Starts for Eastland_55:
(Start: 8 @35577 has 8 MA's), (11, 35643),

Gene: Eklok_55 Start: 35376, Stop: 35702, Start Num: 8
Candidate Starts for Eklok_55:
(Start: 8 @35376 has 8 MA's), (11, 35442),

Gene: HFrancette_56 Start: 36265, Stop: 36591, Start Num: 8
Candidate Starts for HFrancette_56:
(Start: 8 @36265 has 8 MA's), (11, 36331),

Gene: Ignacio_55 Start: 36168, Stop: 36494, Start Num: 8
Candidate Starts for Ignacio_55:
(Start: 8 @36168 has 8 MA's), (11, 36234),

Gene: Piccadilly_55 Start: 35576, Stop: 35902, Start Num: 8
Candidate Starts for Piccadilly_55:
(Start: 8 @35576 has 8 MA's), (11, 35642),

Gene: Raleigh_50 Start: 38594, Stop: 38920, Start Num: 9
Candidate Starts for Raleigh_50:
(1, 38153), (2, 38405), (3, 38411), (4, 38420), (5, 38477), (6, 38486), (7, 38495), (Start: 9 @38594 has 2 MA's), (10, 38609), (12, 38711), (13, 38714), (15, 38849),

Gene: Vondra_54 Start: 35162, Stop: 35488, Start Num: 8
Candidate Starts for Vondra_54:
(Start: 8 @35162 has 8 MA's), (11, 35228),