Pham 87309

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 87309 Report

This analysis was run 04/28/24 on database version 559.

Pham number 87309 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : BruhMoment_108
• Track 2 : Muntaha_266, Muntaha_3
• Track 3 : JustBecause_325
• Track 4 : Kela_323
• Track 5 : Peregrin_265
• Track 6 : Weasels2_269
• Track 7 : Grayson_266
• Track 8 : AluminumJesus_96
• Track 9 : Blab_96
• Track 10 : Gazebo_98

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BruhMoment_108, Grayson_266, JustBecause_325, Kela_323, Peregrin_265, Weasels2_269,

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

Genes that do not have the "Most Annotated" start:
• AluminumJesus_96, Blab_96, Gazebo_98, Muntaha_266, Muntaha_3,

Summary by start number:

Start 2:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 1 of 11
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Blab_96 (EG),

Start 3:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 66.7% of time when present
• Phage (with cluster) where this start called: AluminumJesus_96 (EG), Gazebo_98 (EG),

Start 4:
• Found in 6 of 11 (54.5%) of genes in pham
• Manual Annotations of this start: 6 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BruhMoment_108 (AP3), Grayson_266 (CB), JustBecause_325 (BM), Kela_323 (BM), Peregrin_265 (CB), Weasels2_269 (CB),

Start 5:
• Found in 2 of 11 (18.2%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Muntaha_266 (BK2), Muntaha_3 (BK2),

Summary by clusters:

There are 5 clusters represented in this pham: AP3, EG, BM, BK2, CB,

Info for manual annotations of cluster AP3:
•Start number 4 was manually annotated 1 time for cluster AP3.

Info for manual annotations of cluster BK2:
•Start number 5 was manually annotated 2 times for cluster BK2.

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

Info for manual annotations of cluster CB:
•Start number 4 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster EG:
•Start number 2 was manually annotated 1 time for cluster EG.
•Start number 3 was manually annotated 2 times for cluster EG.

Gene Information:

Gene: AluminumJesus_96 Start: 58672, Stop: 58355, Start Num: 3
Candidate Starts for AluminumJesus_96:
(Start: 2 @58699 has 1 MA's), (Start: 3 @58672 has 2 MA's), (7, 58609), (10, 58585), (17, 58489), (18, 58486),

Gene: Blab_96 Start: 59272, Stop: 58928, Start Num: 2
Candidate Starts for Blab_96:

(Start: 2 @59272 has 1 MA's), (Start: 3 @59245 has 2 MA's), (7, 59182), (10, 59158), (17, 59062), (18, 59059),

Gene: BruhMoment_108 Start: 64356, Stop: 64054, Start Num: 4
Candidate Starts for BruhMoment_108:
(Start: 4 @64356 has 6 MA's), (14, 64245), (16, 64215), (17, 64209), (18, 64206),

Gene: Gazebo_98 Start: 59250, Stop: 58933, Start Num: 3
Candidate Starts for Gazebo_98:
(Start: 2 @59277 has 1 MA's), (Start: 3 @59250 has 2 MA's), (7, 59187), (10, 59163), (17, 59067), (18, 59064),

Gene: Grayson_266 Start: 122812, Stop: 122543, Start Num: 4
Candidate Starts for Grayson_266:
(Start: 4 @122812 has 6 MA's), (11, 122755), (14, 122701), (18, 122662), (21, 122611), (23, 122581),

Gene: JustBecause_325 Start: 173184, Stop: 172939, Start Num: 4
Candidate Starts for JustBecause_325:
(1, 173313), (Start: 4 @173184 has 6 MA's), (6, 173178), (7, 173154), (13, 173109), (14, 173073), (15, 173055), (16, 173043), (18, 173034), (19, 173004), (23, 172953),

Gene: Kela_323 Start: 174086, Stop: 173835, Start Num: 4
Candidate Starts for Kela_323:
(1, 174218), (Start: 4 @174086 has 6 MA's), (6, 174080), (7, 174056), (10, 174032), (12, 174026), (14, 173975), (15, 173957), (16, 173945), (18, 173936), (19, 173906), (20, 173888), (22, 173882),

Gene: Muntaha_266 Start: 126731, Stop: 126979, Start Num: 5
Candidate Starts for Muntaha_266:
(Start: 5 @126731 has 2 MA's), (8, 126767), (14, 126839), (17, 126875), (18, 126878), (24, 126962), (25, 126968),

Gene: Muntaha_3 Start: 1054, Stop: 1302, Start Num: 5
Candidate Starts for Muntaha_3:
(Start: 5 @1054 has 2 MA's), (8, 1090), (14, 1162), (17, 1198), (18, 1201), (24, 1285), (25, 1291),

Gene: Peregrin_265 Start: 124384, Stop: 124115, Start Num: 4
Candidate Starts for Peregrin_265:
(Start: 4 @124384 has 6 MA's), (11, 124327), (14, 124273), (18, 124234), (21, 124183),

Gene: Weasels2_269 Start: 125711, Stop: 125442, Start Num: 4
Candidate Starts for Weasels2_269:
(Start: 4 @125711 has 6 MA's), (7, 125681), (9, 125660), (14, 125600), (17, 125564), (18, 125561), (23, 125480),