Pham 87299

1: Island3_68

2: Malithi_66
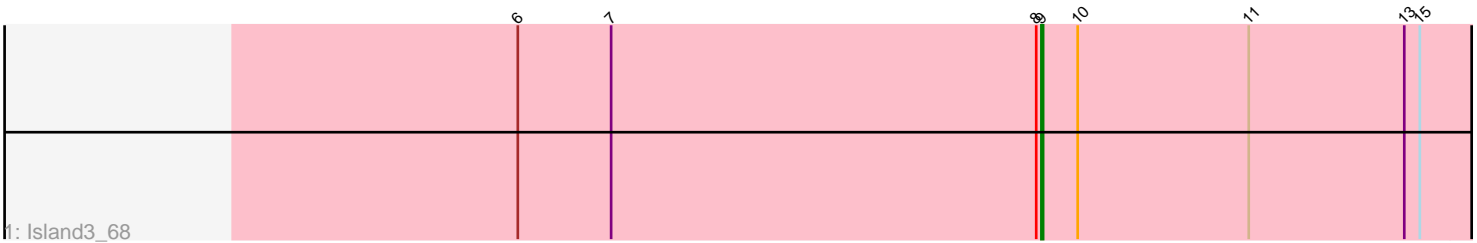
3: Arib1_65

4: HUHilltop_69 + 4

5: Necropolis_64

6: Sonah_67 + 1

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 87299 Report

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

Pham number 87299 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Island3_68
• Track 2 : Malithi_66
• Track 3 : Arib1_65
• Track 4 : HUHilltop_69, Dynamo_66, Shipwreck_69, Phineas_67, Bogie_69
• Track 5 : Necropolis_64
• Track 6 : Sonah_67, Camster_67

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 9 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arib1_65, Bogie_69, Camster_67, Dynamo_66, HUHilltop_69, Island3_68, Phineas_67, Shipwreck_69, Sonah_67,

Genes that have the "Most Annotated" start but do not call it:
• Malithi_66, Necropolis_64,

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

Summary by start number:

Start 9:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 9 of 11
• Called 81.8% of time when present
• Phage (with cluster) where this start called: Arib1_65 (P1), Bogie_69 (P1), Camster_67 (P1), Dynamo_66 (P1), HUHilltop_69 (P1), Island3_68 (I1), Phineas_67 (P1), Shipwreck_69 (P1), Sonah_67 (P1),

Start 10:
• Found in 11 of 11 (100.0%) of genes in pham

• Manual Annotations of this start: 2 of 11
• Called 18.2% of time when present
• Phage (with cluster) where this start called: Malithi_66 (P1), Necropolis_64 (P1),

Summary by clusters:

There are 2 clusters represented in this pham: I1, P1,

Info for manual annotations of cluster I1:
•Start number 9 was manually annotated 1 time for cluster I1.

Info for manual annotations of cluster P1:
•Start number 9 was manually annotated 8 times for cluster P1.
•Start number 10 was manually annotated 2 times for cluster P1.

Gene Information:
Gene: Arib1_65 Start: 41991, Stop: 42257, Start Num: 9
Candidate Starts for Arib1_65:
(1, 41415), (2, 41430), (3, 41538), (4, 41610), (5, 41619), (6, 41688), (7, 41742), (Start: 9 @41991 has 9 MA's), (Start: 10 @42012 has 2 MA's), (11, 42111), (12, 42195), (14, 42201),

Gene: Bogie_69 Start: 44341, Stop: 44607, Start Num: 9
Candidate Starts for Bogie_69:
(1, 43765), (2, 43780), (3, 43888), (5, 43969), (6, 44038), (7, 44092), (Start: 9 @44341 has 9 MA's), (Start: 10 @44362 has 2 MA's), (11, 44461), (12, 44545), (14, 44551),

Gene: Camster_67 Start: 42802, Stop: 43068, Start Num: 9
Candidate Starts for Camster_67:
(7, 42553), (Start: 9 @42802 has 9 MA's), (Start: 10 @42823 has 2 MA's), (11, 42922), (12, 43006), (14, 43012),

Gene: Dynamo_66 Start: 42375, Stop: 42641, Start Num: 9
Candidate Starts for Dynamo_66:
(1, 41799), (2, 41814), (3, 41922), (5, 42003), (6, 42072), (7, 42126), (Start: 9 @42375 has 9 MA's), (Start: 10 @42396 has 2 MA's), (11, 42495), (12, 42579), (14, 42585),

Gene: HUHilltop_69 Start: 42598, Stop: 42864, Start Num: 9
Candidate Starts for HUHilltop_69:
(1, 42022), (2, 42037), (3, 42145), (5, 42226), (6, 42295), (7, 42349), (Start: 9 @42598 has 9 MA's), (Start: 10 @42619 has 2 MA's), (11, 42718), (12, 42802), (14, 42808),

Gene: Island3_68 Start: 43346, Stop: 43603, Start Num: 9
Candidate Starts for Island3_68:
(6, 43043), (7, 43097), (8, 43343), (Start: 9 @43346 has 9 MA's), (Start: 10 @43367 has 2 MA's), (11, 43466), (13, 43556), (15, 43565),

Gene: Malithi_66 Start: 42545, Stop: 42790, Start Num: 10
Candidate Starts for Malithi_66:
(7, 42275), (Start: 9 @42524 has 9 MA's), (Start: 10 @42545 has 2 MA's), (11, 42644), (12, 42728), (14, 42734),

Gene: Necropolis_64 Start: 41985, Stop: 42230, Start Num: 10
Candidate Starts for Necropolis_64:
(1, 41388), (2, 41403), (3, 41511), (5, 41592), (6, 41661), (7, 41715), (Start: 9 @41964 has 9 MA's),
(Start: 10 @41985 has 2 MA's), (11, 42084), (12, 42168), (14, 42174),

Gene: Phineas_67 Start: 42932, Stop: 43198, Start Num: 9
Candidate Starts for Phineas_67:
(1, 42356), (2, 42371), (3, 42479), (5, 42560), (6, 42629), (7, 42683), (Start: 9 @42932 has 9 MA's),
(Start: 10 @42953 has 2 MA's), (11, 43052), (12, 43136), (14, 43142),

Gene: Shipwreck_69 Start: 44372, Stop: 44638, Start Num: 9
Candidate Starts for Shipwreck_69:
(1, 43796), (2, 43811), (3, 43919), (5, 44000), (6, 44069), (7, 44123), (Start: 9 @44372 has 9 MA's),
(Start: 10 @44393 has 2 MA's), (11, 44492), (12, 44576), (14, 44582),

Gene: Sonah_67 Start: 42069, Stop: 42335, Start Num: 9
Candidate Starts for Sonah_67:
(7, 41820), (Start: 9 @42069 has 9 MA's), (Start: 10 @42090 has 2 MA's), (11, 42189), (12, 42273),
(14, 42279),