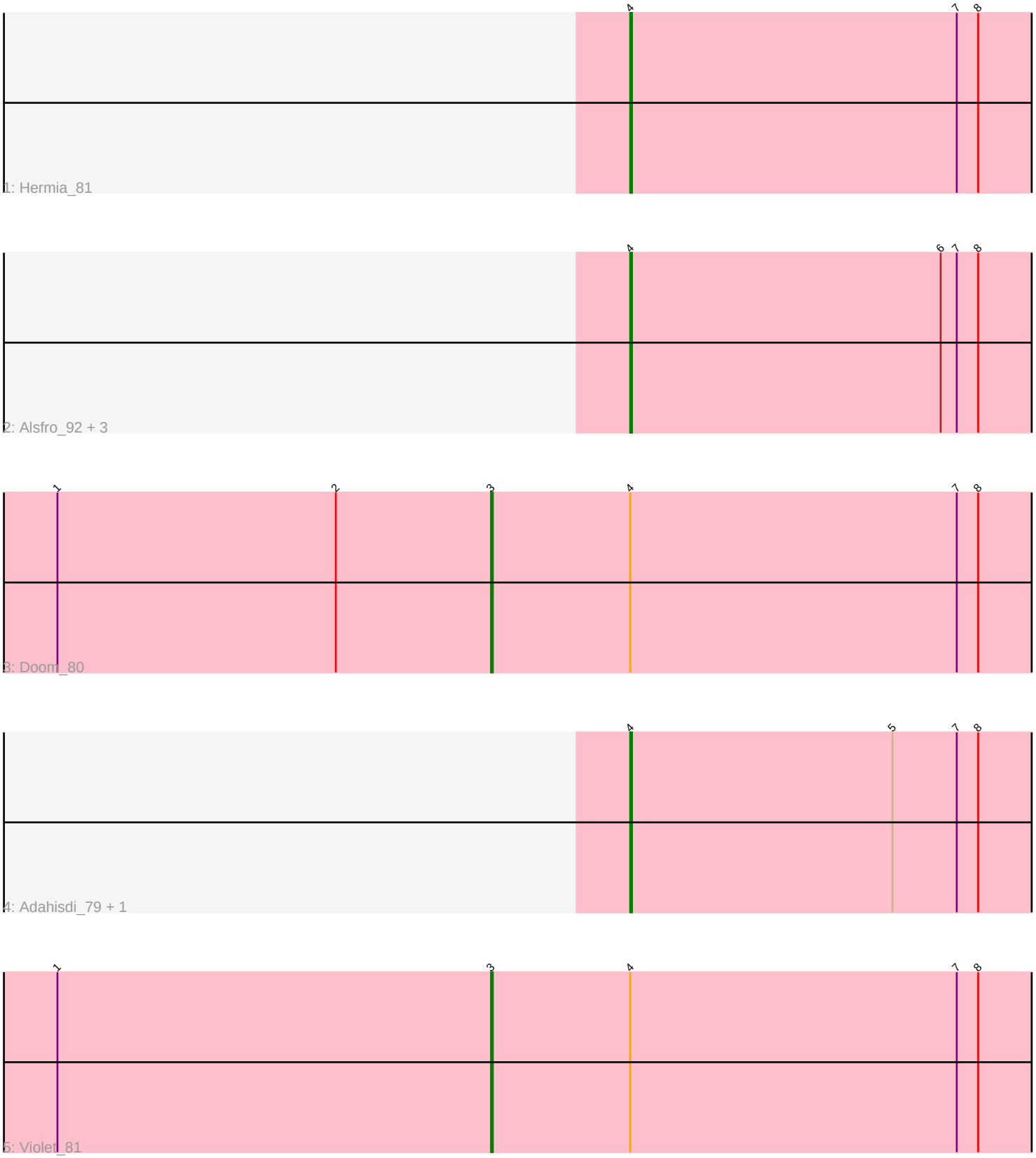
Pham 107046


4
7
8
1: Hermia_81
4
6
7
8
2: Alsfro_92 + 3
1
2
3
4
7
8
3: Doom_80
4
5
7
8
4: Adahisdi_79 + 1
1
3
4
7
8
5: Violet_81

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 107046 Report

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

Pham number 107046 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Hermia_81
• Track 2 : Alsfro_92, IgnatiusPatJac_86, Killigrew_84, BluSpix_83
• Track 3 : Doom_80
• Track 4 : Adahisdi_79, Oogway_81
• Track 5 : Violet_81

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 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Adahisdi_79, Alsfro_92, BluSpix_83, Hermia_81, IgnatiusPatJac_86, Killigrew_84, Oogway_81,

Genes that have the "Most Annotated" start but do not call it:
• Doom_80, Violet_81,

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

Summary by start number:

Start 3:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Doom_80 (A1), Violet_81 (A1),

Start 4:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 77.8% of time when present

• Phage (with cluster) where this start called: Adahisdi_79 (A1), Alsfro_92 (A1), BluSpix_83 (A1), Hermia_81 (A1), IgnatiusPatJac_86 (A1), Killigrew_84 (A1), Oogway_81 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:
•Start number 3 was manually annotated 2 times for cluster A1.
•Start number 4 was manually annotated 6 times for cluster A1.

Gene Information:

Gene: Adahisdi_79 Start: 48735, Stop: 48475, Start Num: 4
Candidate Starts for Adahisdi_79:
(Start: 4 @48735 has 6 MA's), (5, 48588), (7, 48552), (8, 48540),

Gene: Alsfro_92 Start: 49418, Stop: 49158, Start Num: 4
Candidate Starts for Alsfro_92:
(Start: 4 @49418 has 6 MA's), (6, 49244), (7, 49235), (8, 49223),

Gene: BluSpix_83 Start: 44754, Stop: 44494, Start Num: 4
Candidate Starts for BluSpix_83:
(Start: 4 @44754 has 6 MA's), (6, 44580), (7, 44571), (8, 44559),

Gene: Doom_80 Start: 49249, Stop: 48905, Start Num: 3
Candidate Starts for Doom_80:
(1, 49492), (2, 49336), (Start: 3 @49249 has 2 MA's), (Start: 4 @49171 has 6 MA's), (7, 48988), (8, 48976),

Gene: Hermia_81 Start: 48455, Stop: 48195, Start Num: 4
Candidate Starts for Hermia_81:
(Start: 4 @48455 has 6 MA's), (7, 48272), (8, 48260),

Gene: IgnatiusPatJac_86 Start: 48699, Stop: 48439, Start Num: 4
Candidate Starts for IgnatiusPatJac_86:
(Start: 4 @48699 has 6 MA's), (6, 48525), (7, 48516), (8, 48504),

Gene: Killigrew_84 Start: 49596, Stop: 49336, Start Num: 4
Candidate Starts for Killigrew_84:
(Start: 4 @49596 has 6 MA's), (6, 49422), (7, 49413), (8, 49401),

Gene: Oogway_81 Start: 48776, Stop: 48516, Start Num: 4
Candidate Starts for Oogway_81:
(Start: 4 @48776 has 6 MA's), (5, 48629), (7, 48593), (8, 48581),

Gene: Violet_81 Start: 49932, Stop: 49588, Start Num: 3
Candidate Starts for Violet_81:
(1, 50175), (Start: 3 @49932 has 2 MA's), (Start: 4 @49854 has 6 MA's), (7, 49671), (8, 49659),