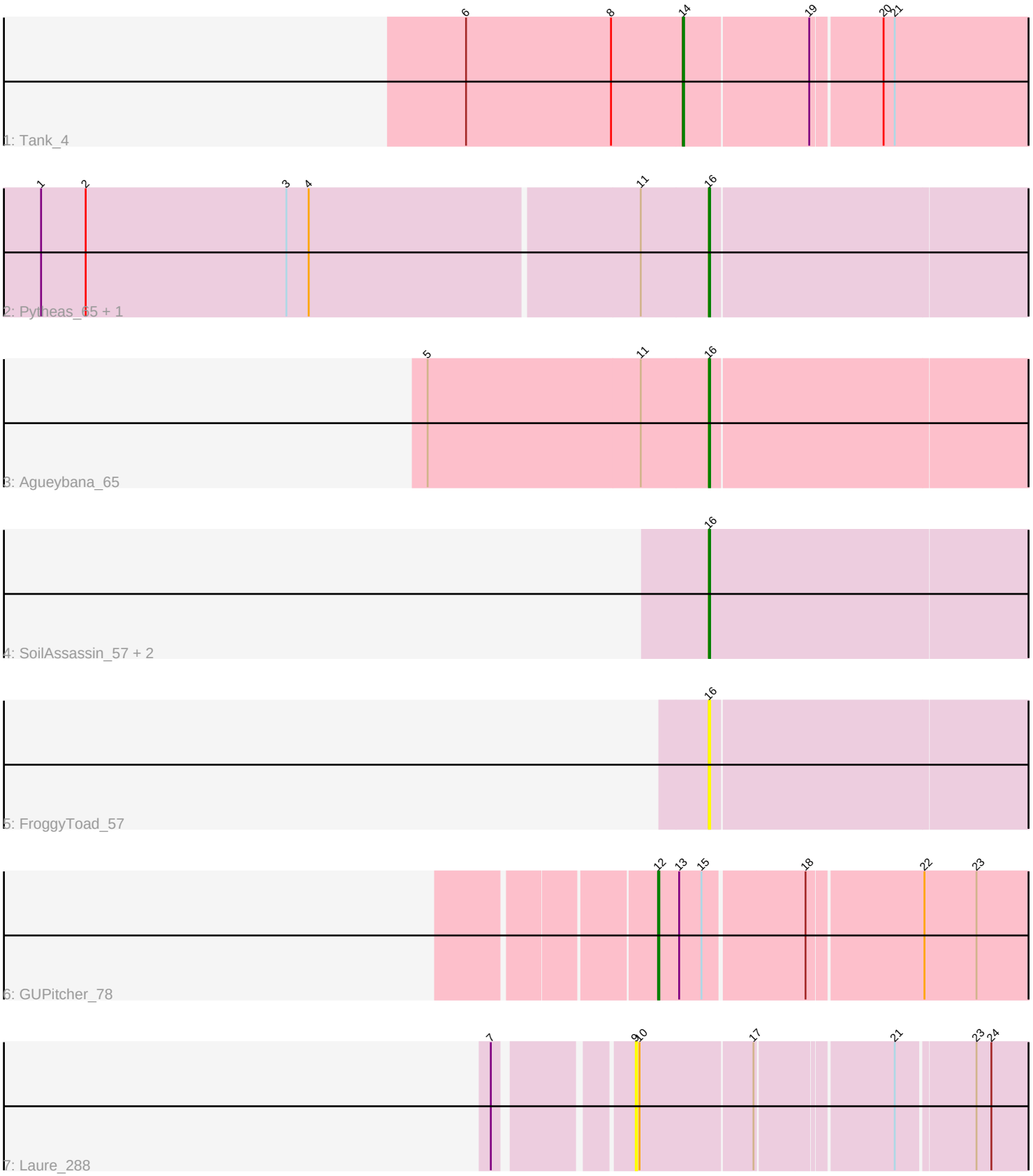
Pham 348257


6
8
14
19
20
21
1: Tank_4
1
2
3
4
11
16
2: Pytheas_65 + 1
5
11
16
3: Agueybana_65
16
4: SoilAssassin_57 + 2
16
5: FroggyToad_57
12
13
15
18
22
23
6: GUPitcher_78
7
9
10
17
21
23
24
7: Laure_288

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 348257 Report

This analysis was run 11/14/26 on database version 672.

Pham number 348257 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Tank_4
• Track 2 : Pytheas_65, Jablanski_65
• Track 3 : Agueybana_65
• Track 4 : SoilAssassin_57, Attis_57, LordFarquaad_59
• Track 5 : FroggyToad_57
• Track 6 : GUPitcher_78
• Track 7 : Laure_288

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

The start number called the most often in the published annotations is 16, it was called in 6 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Agueybana_65, Attis_57, FroggyToad_57, Jablanski_65, LordFarquaad_59, Pytheas_65, SoilAssassin_57,

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

Genes that do not have the "Most Annotated" start:
• GUPitcher_78, Laure_288, Tank_4,

Summary by start number:

Start 9:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Laure_288 (UNK),

Start 12:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8

• Called 100.0% of time when present
• Phage (with cluster) where this start called: GUPitcher_78 (FJ),

Start 14:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Tank_4 (AP1),

Start 16:
• Found in 7 of 10 (70.0%) of genes in pham
• Manual Annotations of this start: 6 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Agueybana_65 (CZ1), Attis_57 (CZ2), FroggyToad_57 (CZ2), Jablanski_65 (CY3), LordFarquaad_59 (CZ2), Pytheas_65 (CY3), SoilAssassin_57 (CZ2),

Summary by clusters:

There are 6 clusters represented in this pham: CY3, CZ1, CZ2, AP1, FJ, UNK,

Info for manual annotations of cluster AP1:
•Start number 14 was manually annotated 1 time for cluster AP1.

Info for manual annotations of cluster CY3:
•Start number 16 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CZ1:
•Start number 16 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster CZ2:
•Start number 16 was manually annotated 3 times for cluster CZ2.

Info for manual annotations of cluster FJ:
•Start number 12 was manually annotated 1 time for cluster FJ.

Gene Information:

Gene: Agueybana_65 Start: 44281, Stop: 44547, Start Num: 16
Candidate Starts for Agueybana_65:
(5, 44056), (11, 44227), (Start: 16 @44281 has 6 MA's),

Gene: Attis_57 Start: 40007, Stop: 40276, Start Num: 16
Candidate Starts for Attis_57:
(Start: 16 @40007 has 6 MA's),

Gene: FroggyToad_57 Start: 38541, Stop: 38807, Start Num: 16
Candidate Starts for FroggyToad_57:
(Start: 16 @38541 has 6 MA's),

Gene: GUPitcher_78 Start: 43322, Stop: 43615, Start Num: 12
Candidate Starts for GUPitcher_78:
(Start: 12 @43322 has 1 MA's), (13, 43337), (15, 43355), (18, 43433), (22, 43523), (23, 43565),

Gene: Jablanski_65 Start: 46155, Stop: 46421, Start Num: 16
Candidate Starts for Jablanski_65:
(1, 45624), (2, 45660), (3, 45822), (4, 45840), (11, 46101), (Start: 16 @46155 has 6 MA's),

Gene: Laure_288 Start: 156842, Stop: 157144, Start Num: 9
Candidate Starts for Laure_288:
(7, 156746), (9, 156842), (10, 156845), (17, 156932), (21, 157034), (23, 157094), (24, 157106),

Gene: LordFarquaad_59 Start: 39988, Stop: 40257, Start Num: 16
Candidate Starts for LordFarquaad_59:
(Start: 16 @39988 has 6 MA's),

Gene: Pytheas_65 Start: 46154, Stop: 46420, Start Num: 16
Candidate Starts for Pytheas_65:
(1, 45623), (2, 45659), (3, 45821), (4, 45839), (11, 46100), (Start: 16 @46154 has 6 MA's),

Gene: SoilAssassin_57 Start: 40006, Stop: 40275, Start Num: 16
Candidate Starts for SoilAssassin_57:
(Start: 16 @40006 has 6 MA's),

Gene: Tank_4 Start: 2081, Stop: 2359, Start Num: 14
Candidate Starts for Tank_4:
(6, 1907), (8, 2024), (Start: 14 @2081 has 1 MA's), (19, 2180), (20, 2234), (21, 2243),