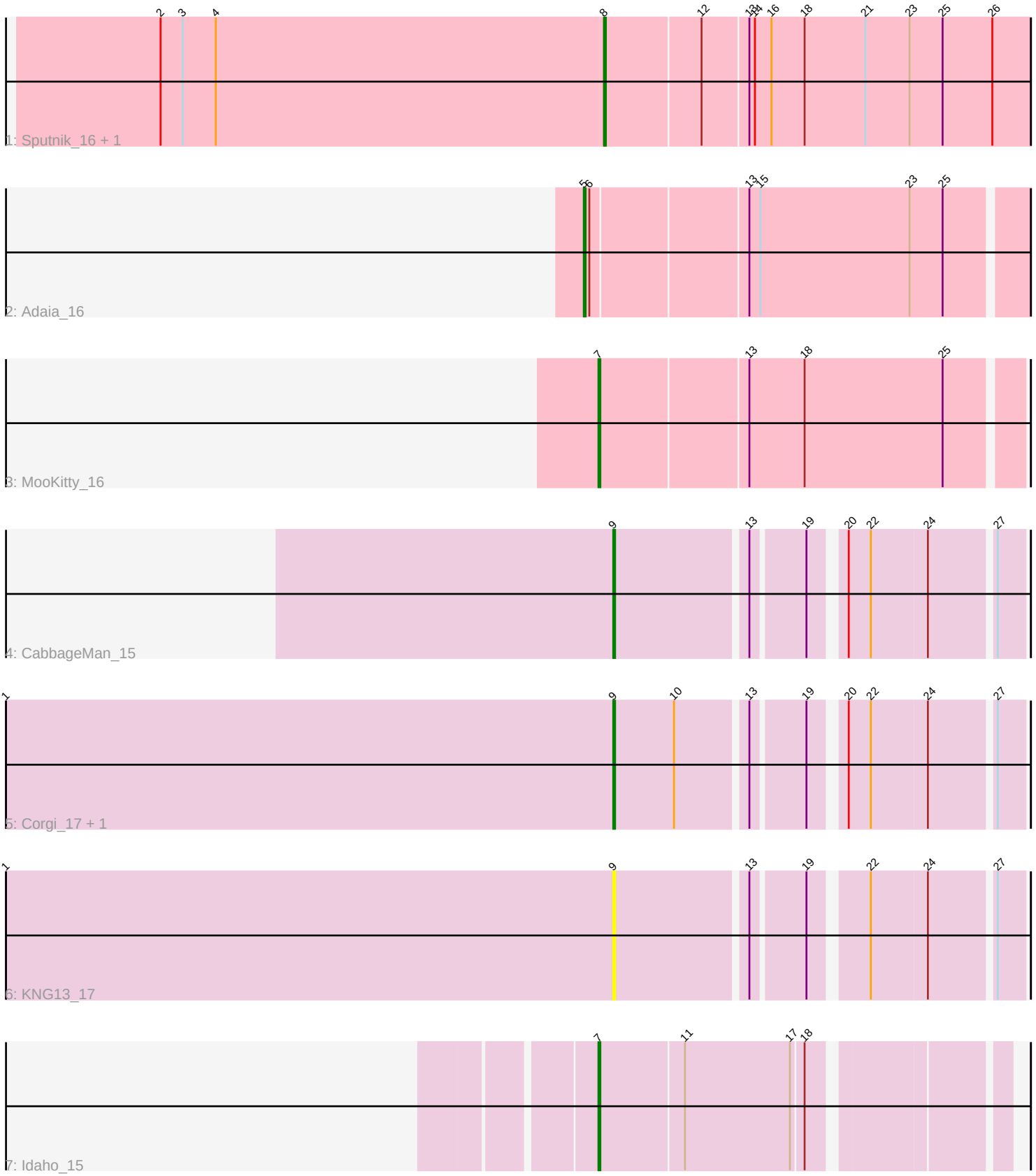
Pham 214919


2
3
4
8
12
13
14
16
18
21
23
25
26
1: Sputnik_16 + 1
5
6
13
15
23
25
2: Adaia_16
7
13
18
25
3: MooKitty_16
9
13
19
20
22
24
27
4: CabbageMan_15
1
9
10
13
19
20
22
24
27
5: Corgi_17 + 1
1
9
13
19
22
24
27
6: KNG13_17
7
11
17
18
7: Idaho_15

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 214919 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214919 has 9 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Sputnik_16, Atraxa_16
• Track 2 : Adaia_16
• Track 3 : MooKitty_16
• Track 4 : CabbageMan_15
• Track 5 : Corgi_17, CheeseDanish_17
• Track 6 : KNG13_17
• Track 7 : Idaho_15

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

The start number called the most often in the published annotations is 7, it was called in 2 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Idaho_15, MooKitty_16,

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

Genes that do not have the "Most Annotated" start:
• Adaia_16, Atraxa_16, CabbageMan_15, CheeseDanish_17, Corgi_17, KNG13_17, Sputnik_16,

Summary by start number:

Start 5:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adaia_16 (AX),

Start 7:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 7

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Idaho_15 (FE), MooKitty_16 (AX),

Start 8:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atraxa_16 (AX), Sputnik_16 (AX),

Start 9:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CabbageMan_15 (FE), CheeseDanish_17 (FE), Corgi_17 (FE), KNG13_17 (FE),

Summary by clusters:

There are 2 clusters represented in this pham: AX, FE,

Info for manual annotations of cluster AX:
•Start number 5 was manually annotated 1 time for cluster AX.
•Start number 7 was manually annotated 1 time for cluster AX.
•Start number 8 was manually annotated 2 times for cluster AX.

Info for manual annotations of cluster FE:
•Start number 7 was manually annotated 1 time for cluster FE.
•Start number 9 was manually annotated 2 times for cluster FE.

Gene Information:

Gene: Adaia_16 Start: 12272, Stop: 12502, Start Num: 5
Candidate Starts for Adaia_16:
(Start: 5 @12272 has 1 MA's), (6, 12275), (13, 12356), (15, 12362), (23, 12443), (25, 12461),

Gene: Atraxa_16 Start: 11868, Stop: 12095, Start Num: 8
Candidate Starts for Atraxa_16:
(2, 11628), (3, 11640), (4, 11658), (Start: 8 @11868 has 2 MA's), (12, 11919), (13, 11943), (14, 11946), (16, 11955), (18, 11973), (21, 12006), (23, 12030), (25, 12048), (26, 12075),

Gene: CabbageMan_15 Start: 12429, Stop: 12629, Start Num: 9
Candidate Starts for CabbageMan_15:
(Start: 9 @12429 has 2 MA's), (13, 12498), (19, 12525), (20, 12540), (22, 12552), (24, 12582), (27, 12615),

Gene: CheeseDanish_17 Start: 12587, Stop: 12787, Start Num: 9
Candidate Starts for CheeseDanish_17:
(1, 12257), (Start: 9 @12587 has 2 MA's), (10, 12620), (13, 12656), (19, 12683), (20, 12698), (22, 12710), (24, 12740), (27, 12773),

Gene: Corgi_17 Start: 12587, Stop: 12787, Start Num: 9

Candidate Starts for Corgi_17:
(1, 12257), (Start: 9 @12587 has 2 MA's), (10, 12620), (13, 12656), (19, 12683), (20, 12698), (22, 12710), (24, 12740), (27, 12773),

Gene: Idaho_15 Start: 12801, Stop: 13004, Start Num: 7
Candidate Starts for Idaho_15:
(Start: 7 @12801 has 2 MA's), (11, 12846), (17, 12903), (18, 12909),

Gene: KNG13_17 Start: 12584, Stop: 12784, Start Num: 9
Candidate Starts for KNG13_17:
(1, 12254), (Start: 9 @12584 has 2 MA's), (13, 12653), (19, 12680), (22, 12707), (24, 12737), (27, 12770),

Gene: MooKitty_16 Start: 12438, Stop: 12659, Start Num: 7
Candidate Starts for MooKitty_16:
(Start: 7 @12438 has 2 MA's), (13, 12516), (18, 12546), (25, 12621),

Gene: Sputnik_16 Start: 11868, Stop: 12095, Start Num: 8
Candidate Starts for Sputnik_16:
(2, 11628), (3, 11640), (4, 11658), (Start: 8 @11868 has 2 MA's), (12, 11919), (13, 11943), (14, 11946), (16, 11955), (18, 11973), (21, 12006), (23, 12030), (25, 12048), (26, 12075),