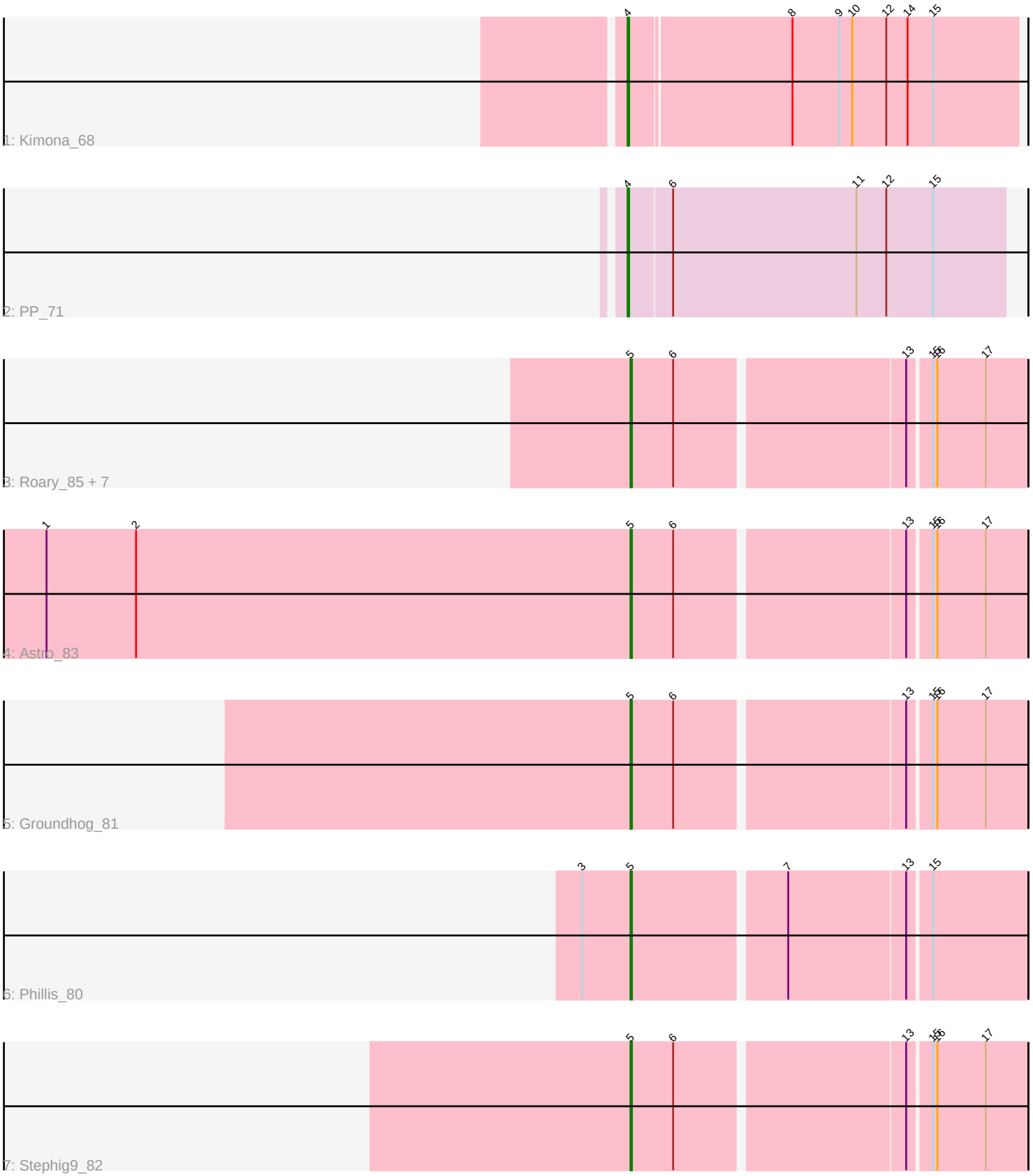
Pham 281023


4
8
9
10
12
14
15
1: Kimona_68
4
6
11
12
15
2: PP_71
5
6
13
15
16
17
3: Roary_85 + 7
1
2
5
6
13
15
16
17
4: Astro_83
5
6
13
15
16
17
5: Groundhog_81
3
5
7
13
15
6: Phillis_80
5
6
13
15
16
17
7: Stephig9_82

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 281023 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281023 has 14 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Kimona_68
• Track 2 : PP_71
• Track 3 : Roary_85, Caitlin_81, Dixon_82, NearlyHeadless_84, Danforth_84, Smeadley_83, Saintus_79, Expelliarmus_80
• Track 4 : Astro_83
• Track 5 : Groundhog_81
• Track 6 : Phillis_80
• Track 7 : Stephig9_82

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

The start number called the most often in the published annotations is 5, it was called in 11 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Astro_83, Caitlin_81, Danforth_84, Dixon_82, Expelliarmus_80, Groundhog_81, NearlyHeadless_84, Phillis_80, Roary_85, Saintus_79, Smeadley_83, Stephig9_82,

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

Genes that do not have the "Most Annotated" start:
• Kimona_68, PP_71,

Summary by start number:

Start 4:
• Found in 2 of 14 (14.3%) of genes in pham
• Manual Annotations of this start: 2 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kimona_68 (A19), PP_71 (A7),

Start 5:
• Found in 12 of 14 (85.7%) of genes in pham

• Manual Annotations of this start: 11 of 13
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Astro_83 (A8), Caitlin_81 (A8), Danforth_84 (A8), Dixon_82 (A8), Expelliarmus_80 (A8), Groundhog_81 (A8), NearlyHeadless_84 (A8), Phillis_80 (A8), Roary_85 (A8), Saintus_79 (A8), Smeadley_83 (A8), Stephig9_82 (A8),

Summary by clusters:

There are 3 clusters represented in this pham: A8, A19, A7,

Info for manual annotations of cluster A19:
•Start number 4 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A7:
•Start number 4 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:
•Start number 5 was manually annotated 11 times for cluster A8.

Gene Information:

Gene: Astro_83 Start: 45517, Stop: 45254, Start Num: 5
Candidate Starts for Astro_83:
(1, 45928), (2, 45865), (Start: 5 @45517 has 11 MA's), (6, 45487), (13, 45334), (15, 45319), (16, 45316), (17, 45283),

Gene: Caitlin_81 Start: 45209, Stop: 44946, Start Num: 5
Candidate Starts for Caitlin_81:
(Start: 5 @45209 has 11 MA's), (6, 45179), (13, 45026), (15, 45011), (16, 45008), (17, 44975),

Gene: Danforth_84 Start: 45594, Stop: 45331, Start Num: 5
Candidate Starts for Danforth_84:
(Start: 5 @45594 has 11 MA's), (6, 45564), (13, 45411), (15, 45396), (16, 45393), (17, 45360),

Gene: Dixon_82 Start: 45076, Stop: 44813, Start Num: 5
Candidate Starts for Dixon_82:
(Start: 5 @45076 has 11 MA's), (6, 45046), (13, 44893), (15, 44878), (16, 44875), (17, 44842),

Gene: Expelliarmus_80 Start: 45290, Stop: 45027, Start Num: 5
Candidate Starts for Expelliarmus_80:
(Start: 5 @45290 has 11 MA's), (6, 45260), (13, 45107), (15, 45092), (16, 45089), (17, 45056),

Gene: Groundhog_81 Start: 45346, Stop: 45083, Start Num: 5
Candidate Starts for Groundhog_81:
(Start: 5 @45346 has 11 MA's), (6, 45316), (13, 45163), (15, 45148), (16, 45145), (17, 45112),

Gene: Kimona_68 Start: 42650, Stop: 42381, Start Num: 4
Candidate Starts for Kimona_68:
(Start: 4 @42650 has 2 MA's), (8, 42539), (9, 42506), (10, 42497), (12, 42473), (14, 42458), (15, 42440),

Gene: NearlyHeadless_84 Start: 45360, Stop: 45097, Start Num: 5
Candidate Starts for NearlyHeadless_84:
(Start: 5 @45360 has 11 MA's), (6, 45330), (13, 45177), (15, 45162), (16, 45159), (17, 45126),

Gene: PP_71 Start: 48071, Stop: 47808, Start Num: 4
Candidate Starts for PP_71:
(Start: 4 @48071 has 2 MA's), (6, 48041), (11, 47912), (12, 47891), (15, 47858),

Gene: Phillis_80 Start: 44378, Stop: 44115, Start Num: 5
Candidate Starts for Phillis_80:
(3, 44411), (Start: 5 @44378 has 11 MA's), (7, 44276), (13, 44195), (15, 44180),

Gene: Roary_85 Start: 45548, Stop: 45285, Start Num: 5
Candidate Starts for Roary_85:
(Start: 5 @45548 has 11 MA's), (6, 45518), (13, 45365), (15, 45350), (16, 45347), (17, 45314),

Gene: Saintus_79 Start: 42196, Stop: 41933, Start Num: 5
Candidate Starts for Saintus_79:
(Start: 5 @42196 has 11 MA's), (6, 42166), (13, 42013), (15, 41998), (16, 41995), (17, 41962),

Gene: Smeadley_83 Start: 45412, Stop: 45149, Start Num: 5
Candidate Starts for Smeadley_83:
(Start: 5 @45412 has 11 MA's), (6, 45382), (13, 45229), (15, 45214), (16, 45211), (17, 45178),

Gene: Stephig9_82 Start: 45351, Stop: 45088, Start Num: 5
Candidate Starts for Stephig9_82:
(Start: 5 @45351 has 11 MA's), (6, 45321), (13, 45168), (15, 45153), (16, 45150), (17, 45117),