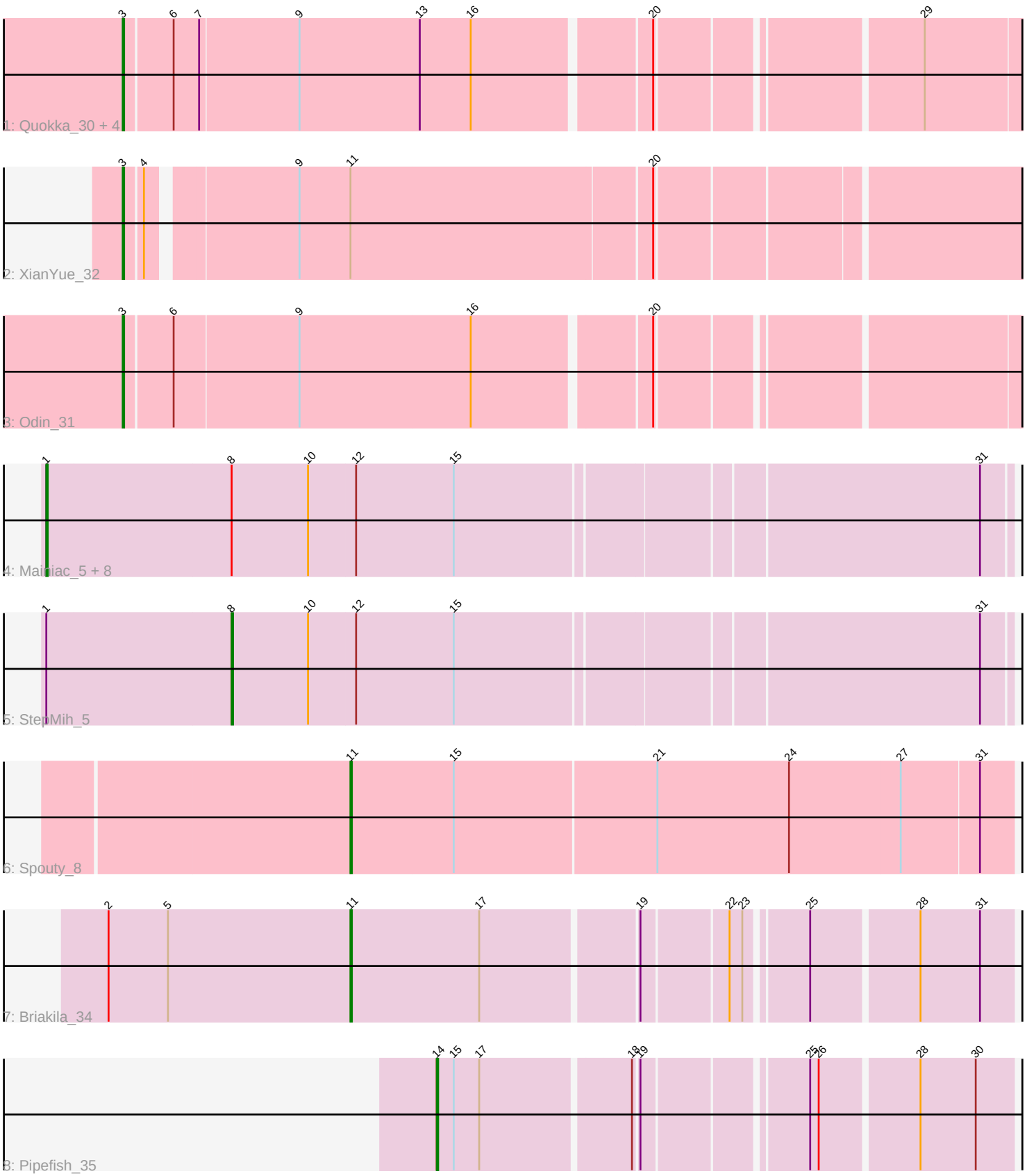
Pham 309319


3
6
7
9
13
16
20
29
1: Quokka_30 + 4
3
4
9
11
20
2: XianYue_32
3
6
9
16
20
3: Odin_31
1
8
10
12
15
31
4: Maiziac_5 + 8
1
8
10
12
15
31
5: StepMih_5
11
15
21
24
27
31
6: Spouty_8
2
5
11
17
19
22
23
25
28
31
7: Briakila_34
14
15
17
18
19
25
26
28
30
8: Pipefish_35

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 309319 Report

This analysis was run 06/27/26 on database version 652.

Pham number 309319 has 20 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Quokka_30, Serenity_31, MajorMajor_31, Bradman_31, Jsquared_31
• Track 2 : XianYue_32
• Track 3 : Odin_31
• Track 4 : Mainiac_5, Aglet_5, Wooldri_7, GtownJaz_5, SoYo_5, BreSam8_5, MadMarie_5, Sabia_5, Dieselweasel_5
• Track 5 : StepMih_5
• Track 6 : Spouty_8
• Track 7 : Briakila_34
• Track 8 : Pipefish_35

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

The start number called the most often in the published annotations is 1, it was called in 9 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aglet_5, BreSam8_5, Dieselweasel_5, GtownJaz_5, MadMarie_5, Mainiac_5, Sabia_5, SoYo_5, Wooldri_7,

Genes that have the "Most Annotated" start but do not call it:
• StepMih_5,

Genes that do not have the "Most Annotated" start:
• Bradman_31, Briakila_34, Jsquared_31, MajorMajor_31, Odin_31, Pipefish_35, Quokka_30, Serenity_31, Spouty_8, XianYue_32,

Summary by start number:

Start 1:
• Found in 10 of 20 (50.0%) of genes in pham
• Manual Annotations of this start: 9 of 17
• Called 90.0% of time when present
• Phage (with cluster) where this start called: Aglet_5 (A3), BreSam8_5 (A3), Dieselweasel_5 (A3), GtownJaz_5 (A3), MadMarie_5 (A3), Mainiac_5 (A3), Sabia_5

(A3), SoYo_5 (A3), Wooldri_7 (A3),

Start 3:
• Found in 7 of 20 (35.0%) of genes in pham
• Manual Annotations of this start: 4 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bradman_31 (A2), Jsquared_31 (A2), MajorMajor_31 (A2), Odin_31 (A2), Quokka_30 (A2), Serenity_31 (A2), XianYue_32 (A2),

Start 8:
• Found in 10 of 20 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 10.0% of time when present
• Phage (with cluster) where this start called: StepMih_5 (A3),

Start 11:
• Found in 3 of 20 (15.0%) of genes in pham
• Manual Annotations of this start: 2 of 17
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Briakila_34 (B3), Spouty_8 (A9),

Start 14:
• Found in 1 of 20 (5.0%) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pipefish_35 (B3),

Summary by clusters:

There are 4 clusters represented in this pham: A9, A3, A2, B3,

Info for manual annotations of cluster A2:
•Start number 3 was manually annotated 4 times for cluster A2.

Info for manual annotations of cluster A3:
•Start number 1 was manually annotated 9 times for cluster A3.
•Start number 8 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A9:
•Start number 11 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster B3:
•Start number 11 was manually annotated 1 time for cluster B3.
•Start number 14 was manually annotated 1 time for cluster B3.

Gene Information:

Gene: Aglet_5 Start: 2899, Stop: 3558, Start Num: 1
Candidate Starts for Aglet_5:

(Start: 1 @2899 has 9 MA's), (Start: 8 @3028 has 1 MA's), (10, 3082), (12, 3115), (15, 3184), (31, 3538),

Gene: Bradman_31 Start: 23397, Stop: 23996, Start Num: 3
Candidate Starts for Bradman_31:
(Start: 3 @23397 has 4 MA's), (6, 23430), (7, 23448), (9, 23517), (13, 23601), (16, 23637), (20, 23754), (29, 23925),

Gene: BreSam8_5 Start: 2891, Stop: 3550, Start Num: 1
Candidate Starts for BreSam8_5:
(Start: 1 @2891 has 9 MA's), (Start: 8 @3020 has 1 MA's), (10, 3074), (12, 3107), (15, 3176), (31, 3530),

Gene: Briakila_34 Start: 33753, Stop: 34187, Start Num: 11
Candidate Starts for Briakila_34:
(2, 33582), (5, 33624), (Start: 11 @33753 has 2 MA's), (17, 33843), (19, 33945), (22, 34002), (23, 34011), (25, 34050), (28, 34122), (31, 34164),

Gene: Dieselweasel_5 Start: 2899, Stop: 3558, Start Num: 1
Candidate Starts for Dieselweasel_5:
(Start: 1 @2899 has 9 MA's), (Start: 8 @3028 has 1 MA's), (10, 3082), (12, 3115), (15, 3184), (31, 3538),

Gene: GtownJaz_5 Start: 2899, Stop: 3558, Start Num: 1
Candidate Starts for GtownJaz_5:
(Start: 1 @2899 has 9 MA's), (Start: 8 @3028 has 1 MA's), (10, 3082), (12, 3115), (15, 3184), (31, 3538),

Gene: Jsquared_31 Start: 23470, Stop: 24069, Start Num: 3
Candidate Starts for Jsquared_31:
(Start: 3 @23470 has 4 MA's), (6, 23503), (7, 23521), (9, 23590), (13, 23674), (16, 23710), (20, 23827), (29, 23998),

Gene: MadMarie_5 Start: 2900, Stop: 3559, Start Num: 1
Candidate Starts for MadMarie_5:
(Start: 1 @2900 has 9 MA's), (Start: 8 @3029 has 1 MA's), (10, 3083), (12, 3116), (15, 3185), (31, 3539),

Gene: Mainiac_5 Start: 2891, Stop: 3550, Start Num: 1
Candidate Starts for Mainiac_5:
(Start: 1 @2891 has 9 MA's), (Start: 8 @3020 has 1 MA's), (10, 3074), (12, 3107), (15, 3176), (31, 3530),

Gene: MajorMajor_31 Start: 23397, Stop: 23996, Start Num: 3
Candidate Starts for MajorMajor_31:
(Start: 3 @23397 has 4 MA's), (6, 23430), (7, 23448), (9, 23517), (13, 23601), (16, 23637), (20, 23754), (29, 23925),

Gene: Odin_31 Start: 23199, Stop: 23798, Start Num: 3
Candidate Starts for Odin_31:
(Start: 3 @23199 has 4 MA's), (6, 23232), (9, 23319), (16, 23439), (20, 23556),

Gene: Pipefish_35 Start: 34442, Stop: 34816, Start Num: 14

Candidate Starts for Pipefish_35:
(Start: 14 @34442 has 1 MA's), (15, 34454), (17, 34472), (18, 34571), (19, 34574), (25, 34679), (26, 34685), (28, 34751), (30, 34790),

Gene: Quokka_30 Start: 23397, Stop: 23996, Start Num: 3
Candidate Starts for Quokka_30:
(Start: 3 @23397 has 4 MA's), (6, 23430), (7, 23448), (9, 23517), (13, 23601), (16, 23637), (20, 23754), (29, 23925),

Gene: Sabia_5 Start: 2891, Stop: 3550, Start Num: 1
Candidate Starts for Sabia_5:
(Start: 1 @2891 has 9 MA's), (Start: 8 @3020 has 1 MA's), (10, 3074), (12, 3107), (15, 3176), (31, 3530),

Gene: Serenity_31 Start: 23522, Stop: 24121, Start Num: 3
Candidate Starts for Serenity_31:
(Start: 3 @23522 has 4 MA's), (6, 23555), (7, 23573), (9, 23642), (13, 23726), (16, 23762), (20, 23879), (29, 24050),

Gene: SoYo_5 Start: 2809, Stop: 3468, Start Num: 1
Candidate Starts for SoYo_5:
(Start: 1 @2809 has 9 MA's), (Start: 8 @2938 has 1 MA's), (10, 2992), (12, 3025), (15, 3094), (31, 3448),

Gene: Spouty_8 Start: 5434, Stop: 5895, Start Num: 11
Candidate Starts for Spouty_8:
(Start: 11 @5434 has 2 MA's), (15, 5506), (21, 5647), (24, 5740), (27, 5818), (31, 5872),

Gene: StepMih_5 Start: 3020, Stop: 3550, Start Num: 8
Candidate Starts for StepMih_5:
(Start: 1 @2891 has 9 MA's), (Start: 8 @3020 has 1 MA's), (10, 3074), (12, 3107), (15, 3176), (31, 3530),

Gene: Wooldri_7 Start: 2809, Stop: 3468, Start Num: 1
Candidate Starts for Wooldri_7:
(Start: 1 @2809 has 9 MA's), (Start: 8 @2938 has 1 MA's), (10, 2992), (12, 3025), (15, 3094), (31, 3448),

Gene: XianYue_32 Start: 24396, Stop: 24998, Start Num: 3
Candidate Starts for XianYue_32:
(Start: 3 @24396 has 4 MA's), (4, 24408), (9, 24504), (Start: 11 @24540 has 2 MA's), (20, 24747),