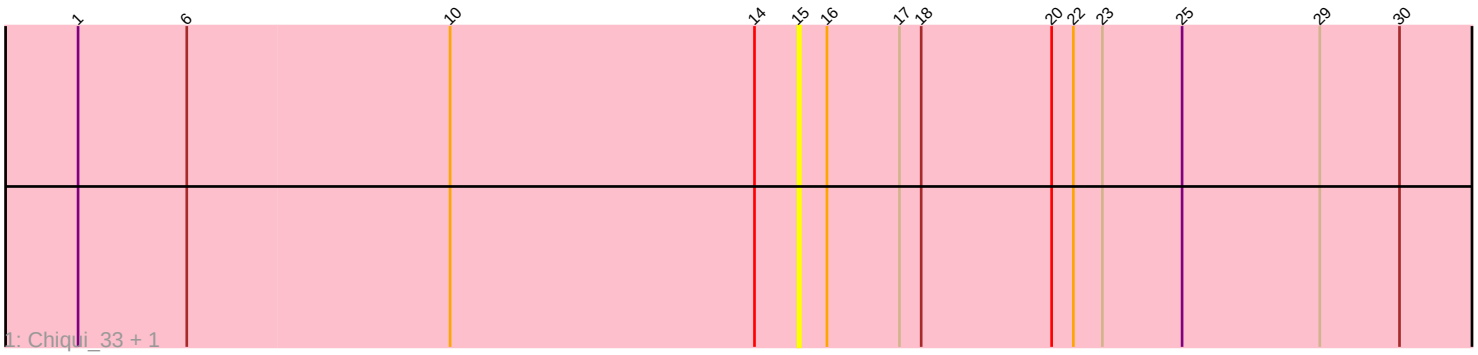
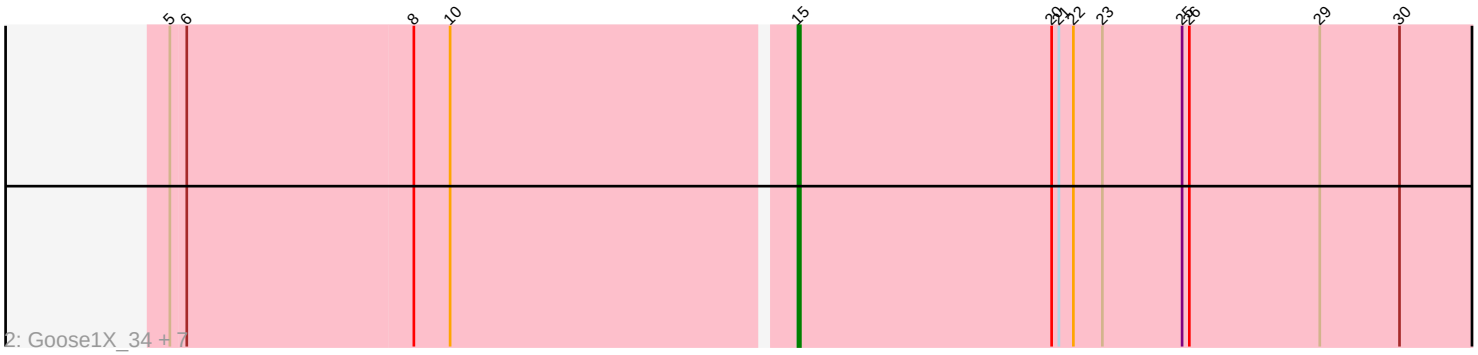
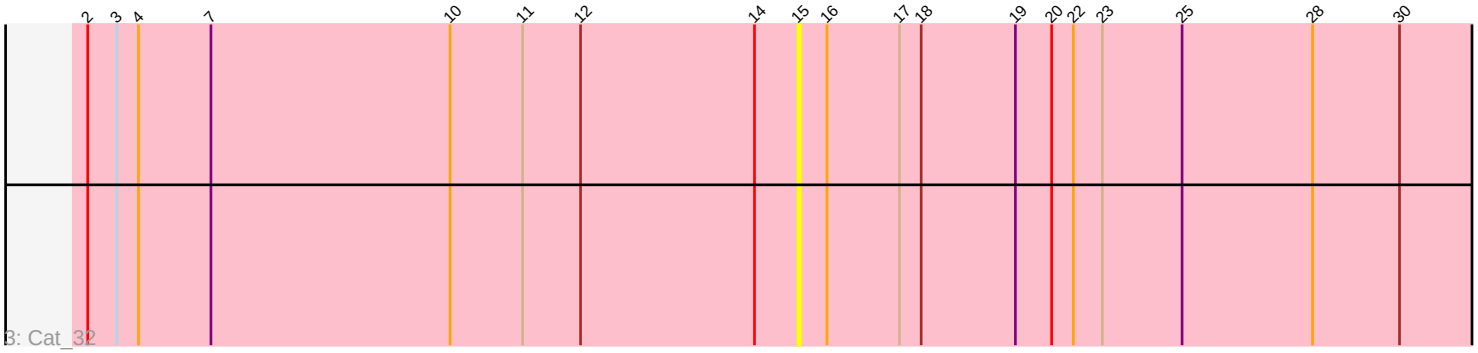
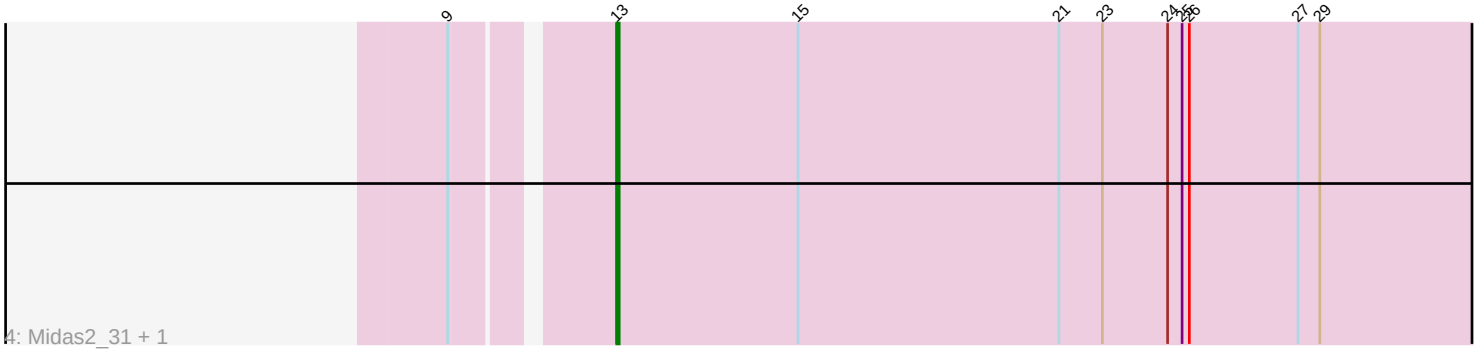
Pham 348190


1
6
10
14
15
16
17
18
20
22
23
25
29
30
1: Chiquli_33 + 1


5
6
8
10
15
20
22
23
25
29
30
2: Goose1X_34 + 7


2
3
4
7
10
11
12
14
15
16
17
18
19
20
22
23
25
28
30
3: Cat_32


9
13
15
21
23
24
25
27
29
4: Midas2_31 + 1

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 348190 Report

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

Pham number 348190 has 13 members, 8 are drafts.

Phages represented in each track:
• Track 1 : Chiqui_33, BabyJohn_33
• Track 2 : Goose1X_34, Shep_34, SaturnRing_34, Clammy_35, Bugatti_35, Marchesa_34, Roimos_34, Heathen_34
• Track 3 : Cat_32
• Track 4 : Midas2_31, Coog_31

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

The start number called the most often in the published annotations is 15, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BabyJohn_33, Bugatti_35, Cat_32, Chiqui_33, Clammy_35, Goose1X_34, Heathen_34, Marchesa_34, Roimos_34, SaturnRing_34, Shep_34,

Genes that have the "Most Annotated" start but do not call it:
• Coog_31, Midas2_31,

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

Summary by start number:

Start 13:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Coog_31 (A5), Midas2_31 (A5),

Start 15:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 84.6% of time when present

• Phage (with cluster) where this start called: BabyJohn_33 (A3), Bugatti_35 (A3), Cat_32 (A3), Chiqui_33 (A3), Clammy_35 (A3), Goose1X_34 (A3), Heathen_34 (A3), Marchesa_34 (A3), Roimos_34 (A3), SaturnRing_34 (A3), Shep_34 (A3),

Summary by clusters:

There are 2 clusters represented in this pham: A3, A5,

Info for manual annotations of cluster A3:
•Start number 15 was manually annotated 3 times for cluster A3.

Info for manual annotations of cluster A5:
•Start number 13 was manually annotated 2 times for cluster A5.

Gene Information:

Gene: BabyJohn_33 Start: 27139, Stop: 27426, Start Num: 15
Candidate Starts for BabyJohn_33:
(1, 26842), (6, 26887), (10, 26995), (14, 27121), (Start: 15 @27139 has 3 MA's), (16, 27151), (17, 27181), (18, 27190), (20, 27244), (22, 27253), (23, 27265), (25, 27298), (29, 27355), (30, 27388),

Gene: Bugatti_35 Start: 26846, Stop: 27133, Start Num: 15
Candidate Starts for Bugatti_35:
(5, 26594), (6, 26600), (8, 26693), (10, 26708), (Start: 15 @26846 has 3 MA's), (20, 26951), (21, 26954), (22, 26960), (23, 26972), (25, 27005), (26, 27008), (29, 27062), (30, 27095),

Gene: Cat_32 Start: 26533, Stop: 26820, Start Num: 15
Candidate Starts for Cat_32:
(2, 26239), (3, 26251), (4, 26260), (7, 26290), (10, 26389), (11, 26419), (12, 26443), (14, 26515), (Start: 15 @26533 has 3 MA's), (16, 26545), (17, 26575), (18, 26584), (19, 26623), (20, 26638), (22, 26647), (23, 26659), (25, 26692), (28, 26746), (30, 26782),

Gene: Chiqui_33 Start: 27148, Stop: 27435, Start Num: 15
Candidate Starts for Chiqui_33:
(1, 26851), (6, 26896), (10, 27004), (14, 27130), (Start: 15 @27148 has 3 MA's), (16, 27160), (17, 27190), (18, 27199), (20, 27253), (22, 27262), (23, 27274), (25, 27307), (29, 27364), (30, 27397),

Gene: Clammy_35 Start: 26846, Stop: 27133, Start Num: 15
Candidate Starts for Clammy_35:
(5, 26594), (6, 26600), (8, 26693), (10, 26708), (Start: 15 @26846 has 3 MA's), (20, 26951), (21, 26954), (22, 26960), (23, 26972), (25, 27005), (26, 27008), (29, 27062), (30, 27095),

Gene: Coog_31 Start: 26050, Stop: 26412, Start Num: 13
Candidate Starts for Coog_31:
(9, 25993), (Start: 13 @26050 has 2 MA's), (Start: 15 @26125 has 3 MA's), (21, 26233), (23, 26251), (24, 26278), (25, 26284), (26, 26287), (27, 26332), (29, 26341),

Gene: Goose1X_34 Start: 26188, Stop: 26475, Start Num: 15
Candidate Starts for Goose1X_34:
(5, 25936), (6, 25942), (8, 26035), (10, 26050), (Start: 15 @26188 has 3 MA's), (20, 26293), (21, 26296), (22, 26302), (23, 26314), (25, 26347), (26, 26350), (29, 26404), (30, 26437),

Gene: Heathen_34 Start: 26654, Stop: 26941, Start Num: 15
Candidate Starts for Heathen_34:
(5, 26402), (6, 26408), (8, 26501), (10, 26516), (Start: 15 @26654 has 3 MA's), (20, 26759), (21, 26762), (22, 26768), (23, 26780), (25, 26813), (26, 26816), (29, 26870), (30, 26903),

Gene: Marchesa_34 Start: 26904, Stop: 27191, Start Num: 15
Candidate Starts for Marchesa_34:
(5, 26652), (6, 26658), (8, 26751), (10, 26766), (Start: 15 @26904 has 3 MA's), (20, 27009), (21, 27012), (22, 27018), (23, 27030), (25, 27063), (26, 27066), (29, 27120), (30, 27153),

Gene: Midas2_31 Start: 26050, Stop: 26412, Start Num: 13
Candidate Starts for Midas2_31:
(9, 25993), (Start: 13 @26050 has 2 MA's), (Start: 15 @26125 has 3 MA's), (21, 26233), (23, 26251), (24, 26278), (25, 26284), (26, 26287), (27, 26332), (29, 26341),

Gene: Roimos_34 Start: 26822, Stop: 27109, Start Num: 15
Candidate Starts for Roimos_34:
(5, 26570), (6, 26576), (8, 26669), (10, 26684), (Start: 15 @26822 has 3 MA's), (20, 26927), (21, 26930), (22, 26936), (23, 26948), (25, 26981), (26, 26984), (29, 27038), (30, 27071),

Gene: SaturnRing_34 Start: 26846, Stop: 27133, Start Num: 15
Candidate Starts for SaturnRing_34:
(5, 26594), (6, 26600), (8, 26693), (10, 26708), (Start: 15 @26846 has 3 MA's), (20, 26951), (21, 26954), (22, 26960), (23, 26972), (25, 27005), (26, 27008), (29, 27062), (30, 27095),

Gene: Shep_34 Start: 25867, Stop: 26154, Start Num: 15
Candidate Starts for Shep_34:
(5, 25615), (6, 25621), (8, 25714), (10, 25729), (Start: 15 @25867 has 3 MA's), (20, 25972), (21, 25975), (22, 25981), (23, 25993), (25, 26026), (26, 26029), (29, 26083), (30, 26116),