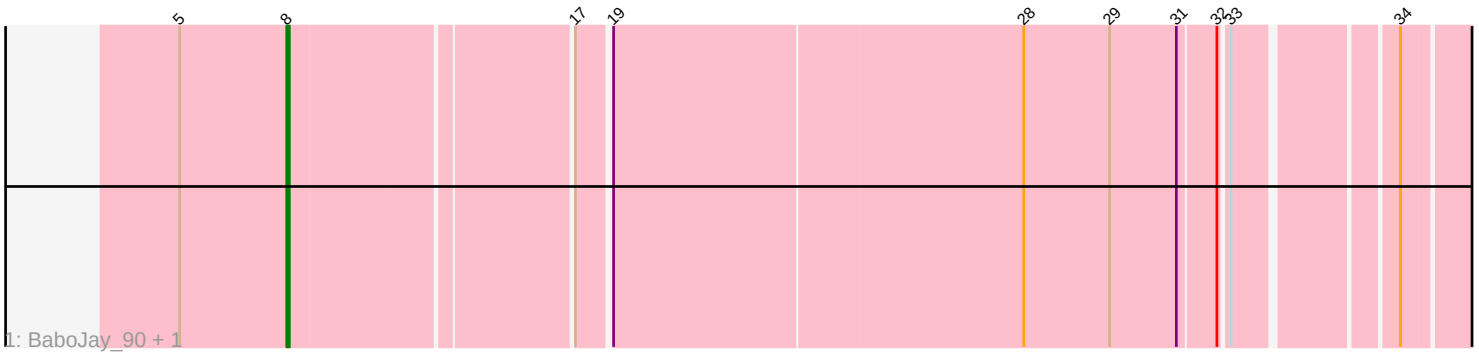
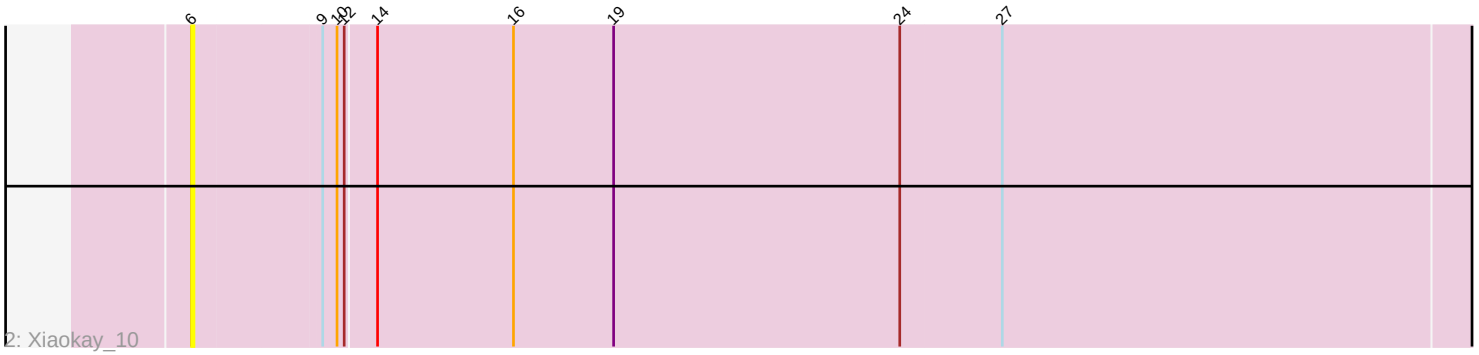
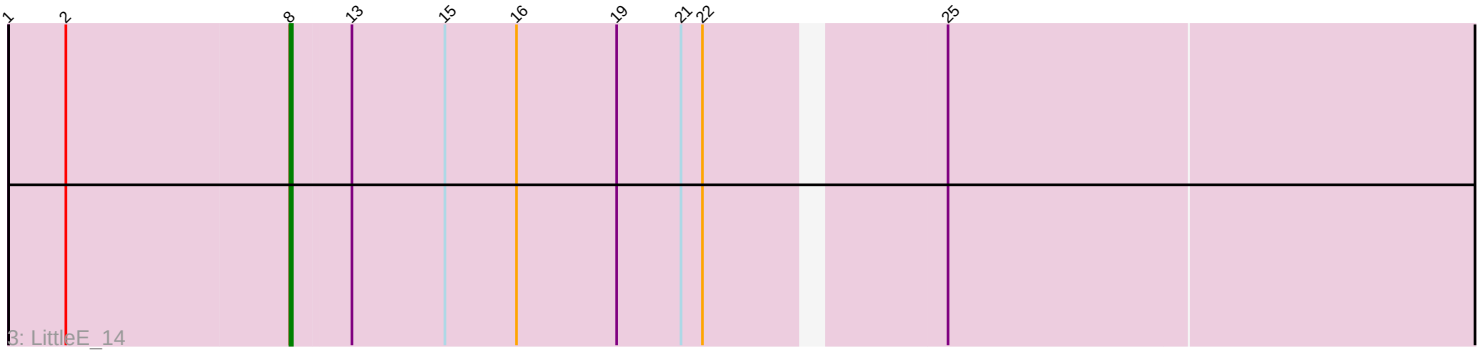
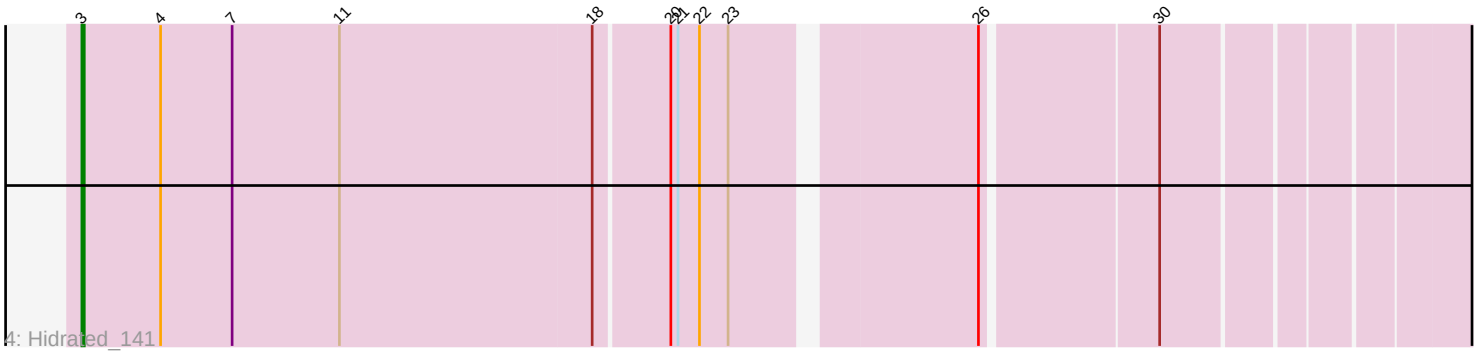
Pham 348418


5
8
17
19
28
29
31
32
33
34
1: BaboJay_90 + 1


6
9
10
12
14
16
19
24
27
2: Xiaokay_10


1
2
8
13
15
16
19
21
22
25
3: LittleE_14


3
4
7
11
18
20
21
22
23
26
30
4: Hidrated_141

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 348418 Report

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

Pham number 348418 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : BaboJay_90, Amao_90
• Track 2 : Xiaokay_10
• Track 3 : LittleE_14
• Track 4 : Hidrated_141

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

The start number called the most often in the published annotations is 8, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Amao_90, BaboJay_90, LittleE_14,

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

Genes that do not have the "Most Annotated" start:
• Hidrated_141, Xiaokay_10,

Summary by start number:

Start 3:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hidrated_141 (J),

Start 6:
• Found in 1 of 5 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Xiaokay_10 (J),

Start 8:

• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amao_90 (E), BaboJay_90 (E), LittleE_14 (J),

Summary by clusters:

There are 2 clusters represented in this pham: J, E,

Info for manual annotations of cluster E:
•Start number 8 was manually annotated 2 times for cluster E.

Info for manual annotations of cluster J:
•Start number 3 was manually annotated 1 time for cluster J.
•Start number 8 was manually annotated 1 time for cluster J.

Gene Information:

Gene: Amao_90 Start: 54235, Stop: 54735, Start Num: 8
Candidate Starts for Amao_90:
(5, 54190), (Start: 8 @54235 has 3 MA's), (17, 54346), (19, 54358), (28, 54526), (29, 54562), (31, 54589), (32, 54604), (33, 54607), (34, 54667),

Gene: BaboJay_90 Start: 55318, Stop: 55818, Start Num: 8
Candidate Starts for BaboJay_90:
(5, 55273), (Start: 8 @55318 has 3 MA's), (17, 55429), (19, 55441), (28, 55609), (29, 55645), (31, 55672), (32, 55687), (33, 55690), (34, 55750),

Gene: Hidrated_141 Start: 82090, Stop: 82686, Start Num: 3
Candidate Starts for Hidrated_141:
(Start: 3 @82090 has 1 MA's), (4, 82123), (7, 82153), (11, 82198), (18, 82303), (20, 82333), (21, 82336), (22, 82345), (23, 82357), (26, 82450), (30, 82519),

Gene: LittleE_14 Start: 9597, Stop: 9064, Start Num: 8
Candidate Starts for LittleE_14:
(1, 9714), (2, 9690), (Start: 8 @9597 has 3 MA's), (13, 9573), (15, 9534), (16, 9504), (19, 9462), (21, 9435), (22, 9426), (25, 9336),

Gene: Xiaokay_10 Start: 8310, Stop: 7729, Start Num: 6
Candidate Starts for Xiaokay_10:
(6, 8310), (9, 8259), (10, 8253), (12, 8250), (14, 8238), (16, 8181), (19, 8139), (24, 8019), (27, 7977),