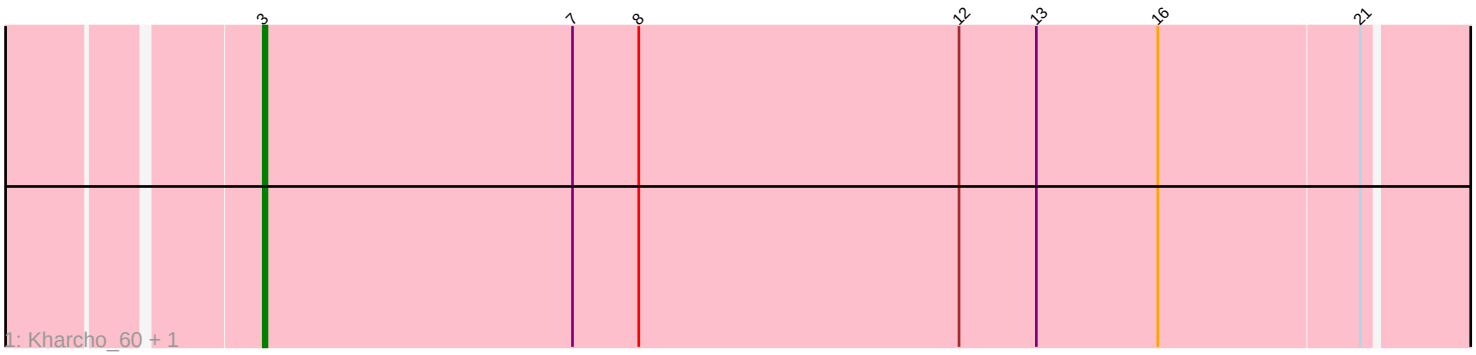
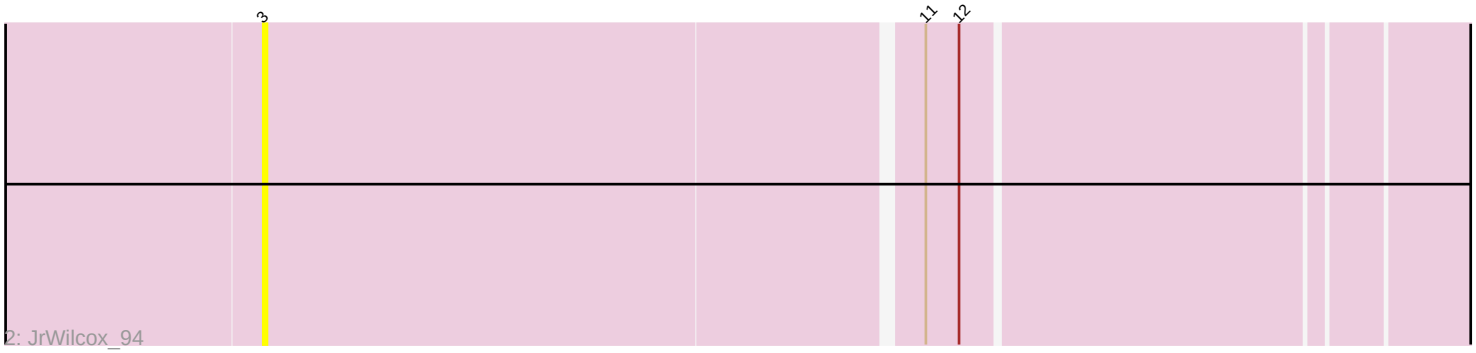
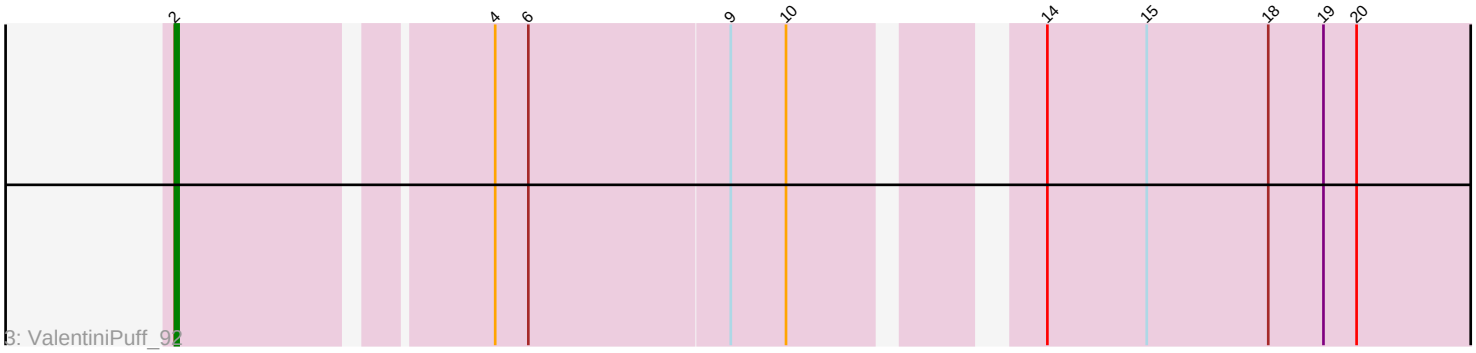
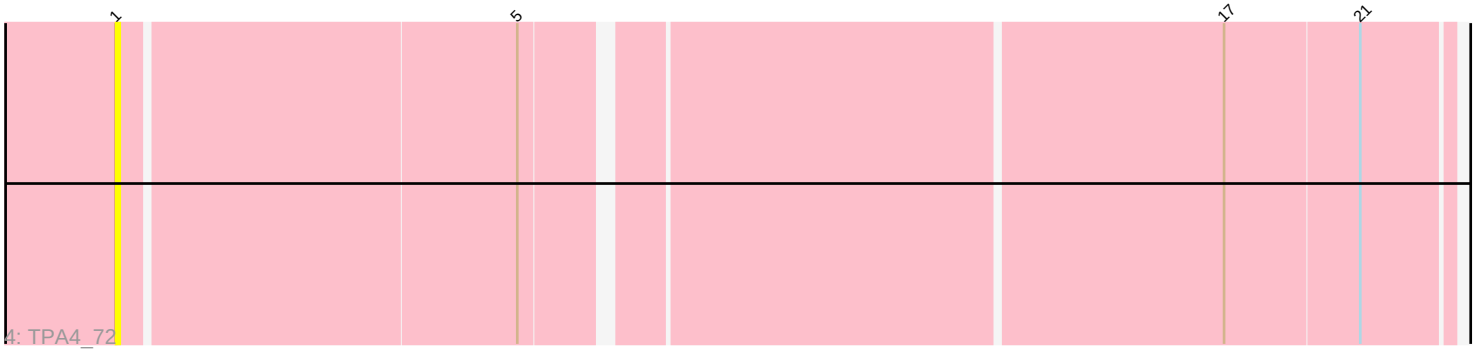
Pham 348423


3
7
8
12
13
16
21
1: Kharcho_60 + 1


3
11
12
2: JrWilcox_94


2
4
6
9
10
14
15
18
19
20
3: ValentiniPuff_92


1
5
17
21
4: TPA4_72

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 348423 Report

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

Pham number 348423 has 5 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Kharcho_60, Ottawa_60
• Track 2 : JrWilcox_94
• Track 3 : ValentiniPuff_92
• Track 4 : TPA4_72

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

The start number called the most often in the published annotations is 3, it was called in 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• JrWilcox_94, Kharcho_60, Ottawa_60,

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

Genes that do not have the "Most Annotated" start:
• TPA4_72, ValentiniPuff_92,

Summary by start number:

Start 1:
• 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: TPA4_72 (singleton),

Start 2:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ValentiniPuff_92 (GL),

Start 3:

• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 2 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JrWilcox_94 (GL), Kharcho_60 (FM), Ottawa_60 (FM),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, GL, FM,

Info for manual annotations of cluster FM:
•Start number 3 was manually annotated 2 times for cluster FM.

Info for manual annotations of cluster GL:
•Start number 2 was manually annotated 1 time for cluster GL.

Gene Information:

Gene: JrWilcox_94 Start: 52559, Stop: 52894, Start Num: 3
Candidate Starts for JrWilcox_94:
(Start: 3 @52559 has 2 MA's), (11, 52733), (12, 52742),

Gene: Kharcho_60 Start: 33658, Stop: 34017, Start Num: 3
Candidate Starts for Kharcho_60:
(Start: 3 @33658 has 2 MA's), (7, 33742), (8, 33760), (12, 33847), (13, 33868), (16, 33901), (21, 33955),

Gene: Ottawa_60 Start: 33608, Stop: 33967, Start Num: 3
Candidate Starts for Ottawa_60:
(Start: 3 @33608 has 2 MA's), (7, 33692), (8, 33710), (12, 33797), (13, 33818), (16, 33851), (21, 33905),

Gene: TPA4_72 Start: 46359, Stop: 46703, Start Num: 1
Candidate Starts for TPA4_72:
(1, 46359), (5, 46464), (17, 46644), (21, 46680),

Gene: ValentiniPuff_92 Start: 53430, Stop: 53777, Start Num: 2
Candidate Starts for ValentiniPuff_92:
(Start: 2 @53430 has 1 MA's), (4, 53508), (6, 53517), (9, 53571), (10, 53586), (14, 53640), (15, 53667), (18, 53700), (19, 53715), (20, 53724),