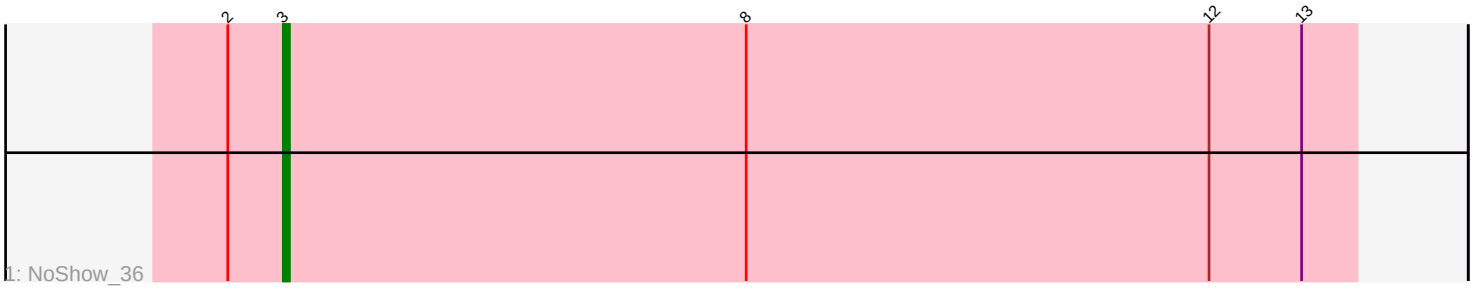
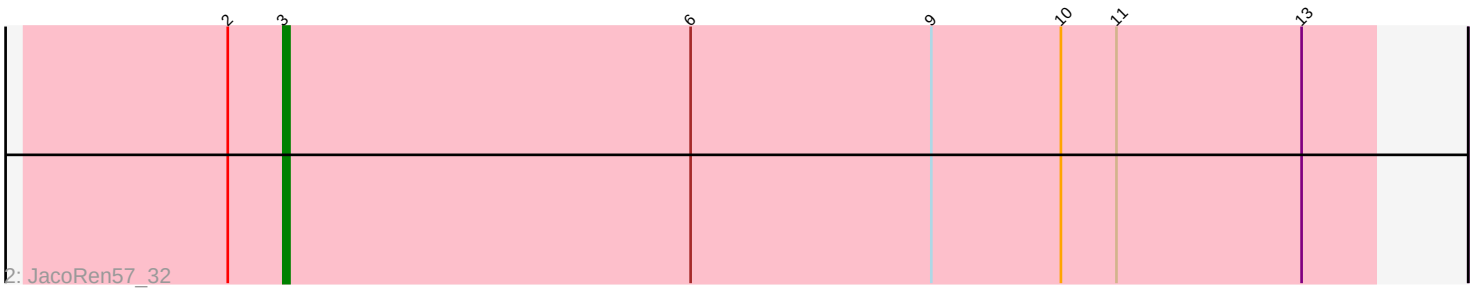
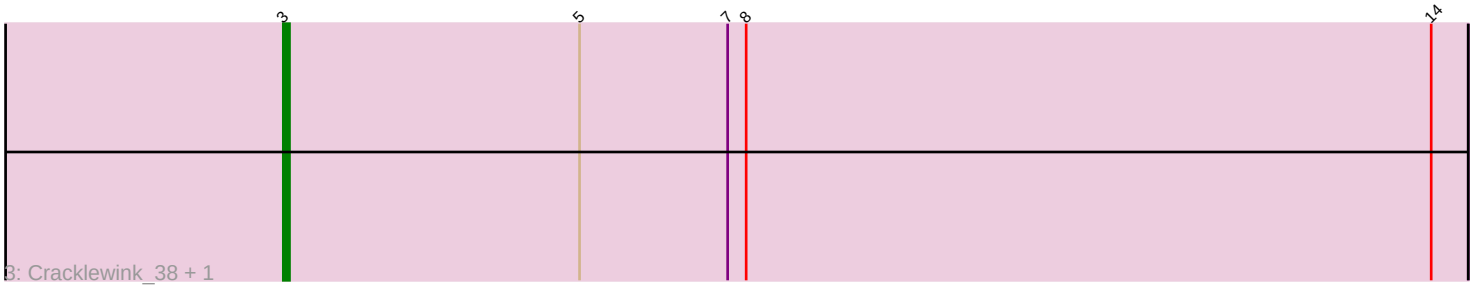
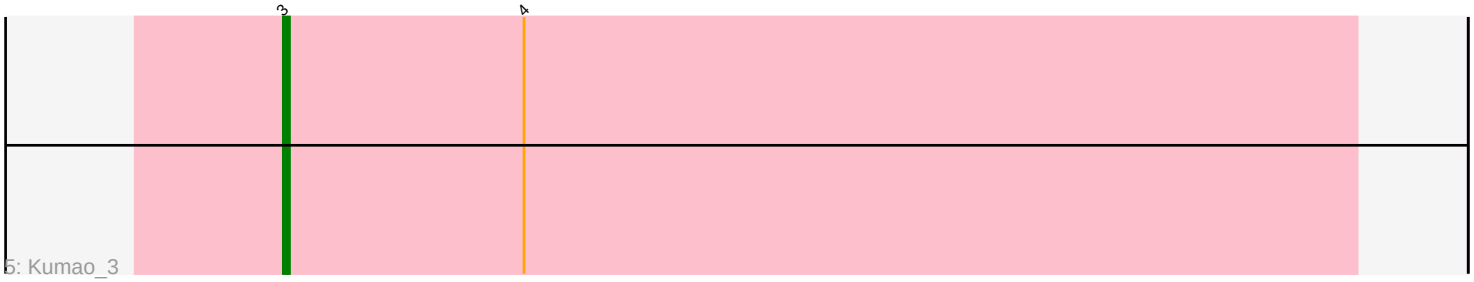
Pham 225200


2
3
8
12
13
1: NoShow_36


2
3
6
9
10
11
13
2: JacoRen57_32


3
5
7
8
14
3: Cracklewink_38 + 1


1
3
5
11
4: Typha_36 + 1


3
4
5: Kumao_3

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 225200 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225200 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : NoShow_36
• Track 2 : JacoRen57_32
• Track 3 : Cracklewink_38, Bipper_38
• Track 4 : Typha_36, Hilltopfarm_36
• Track 5 : Kumao_3

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 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bipper_38, Cracklewink_38, JacoRen57_32, Kumao_3, NoShow_36,

Genes that have the "Most Annotated" start but do not call it:
• Hilltopfarm_36, Typha_36,

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

Summary by start number:

Start 1:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hilltopfarm_36 (Y), Typha_36 (Y),

Start 3:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Bipper_38 (Y), Cracklewink_38 (Y), JacoRen57_32 (AB), Kumao_3 (singleton), NoShow_36 (AB),

Summary by clusters:

There are 3 clusters represented in this pham: Y, singleton, AB,

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

Info for manual annotations of cluster Y:
•Start number 1 was manually annotated 2 times for cluster Y.
•Start number 3 was manually annotated 2 times for cluster Y.

Gene Information:

Gene: Bipper_38 Start: 32253, Stop: 32062, Start Num: 3
Candidate Starts for Bipper_38:
(Start: 3 @32253 has 5 MA's), (5, 32205), (7, 32181), (8, 32178), (14, 32067),

Gene: Cracklewink_38 Start: 32232, Stop: 32041, Start Num: 3
Candidate Starts for Cracklewink_38:
(Start: 3 @32232 has 5 MA's), (5, 32184), (7, 32160), (8, 32157), (14, 32046),

Gene: Hilltopfarm_36 Start: 31867, Stop: 31655, Start Num: 1
Candidate Starts for Hilltopfarm_36:
(Start: 1 @31867 has 2 MA's), (Start: 3 @31846 has 5 MA's), (5, 31798), (11, 31711),

Gene: JacoRen57_32 Start: 28637, Stop: 28813, Start Num: 3
Candidate Starts for JacoRen57_32:
(2, 28628), (Start: 3 @28637 has 5 MA's), (6, 28703), (9, 28742), (10, 28763), (11, 28772), (13, 28802),

Gene: Kumao_3 Start: 853, Stop: 680, Start Num: 3
Candidate Starts for Kumao_3:
(Start: 3 @853 has 5 MA's), (4, 814),

Gene: NoShow_36 Start: 28832, Stop: 29005, Start Num: 3
Candidate Starts for NoShow_36:
(2, 28823), (Start: 3 @28832 has 5 MA's), (8, 28907), (12, 28982), (13, 28997),

Gene: Typha_36 Start: 31837, Stop: 31625, Start Num: 1
Candidate Starts for Typha_36:
(Start: 1 @31837 has 2 MA's), (Start: 3 @31816 has 5 MA's), (5, 31768), (11, 31681),