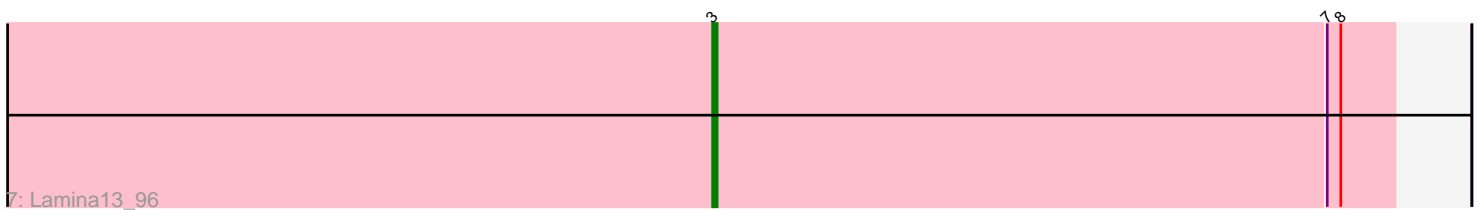
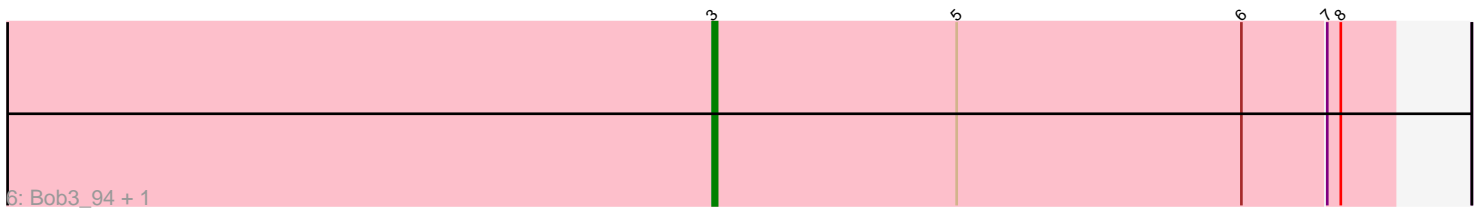
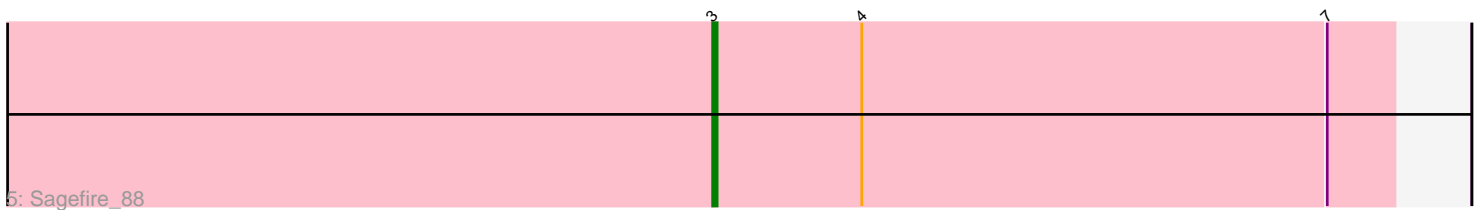
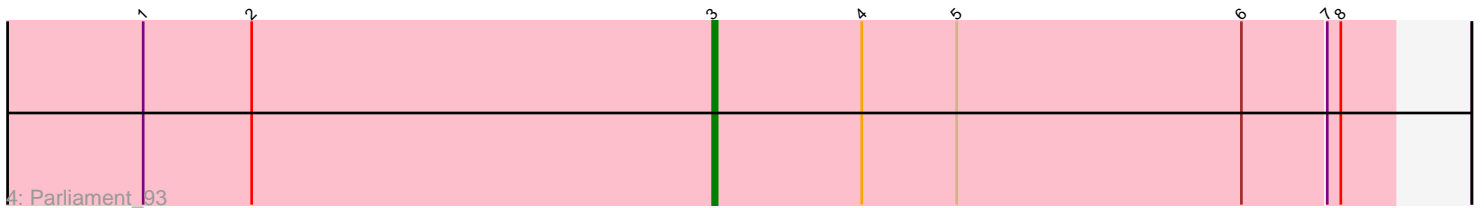
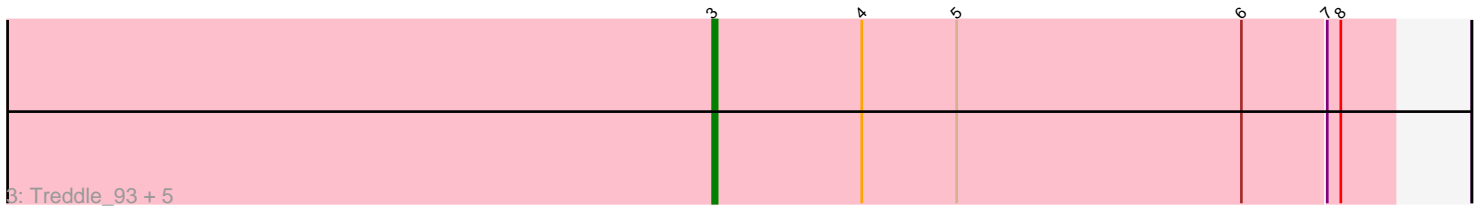
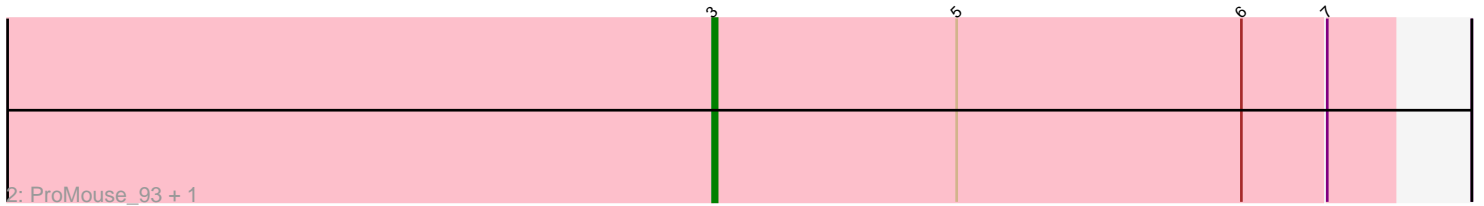
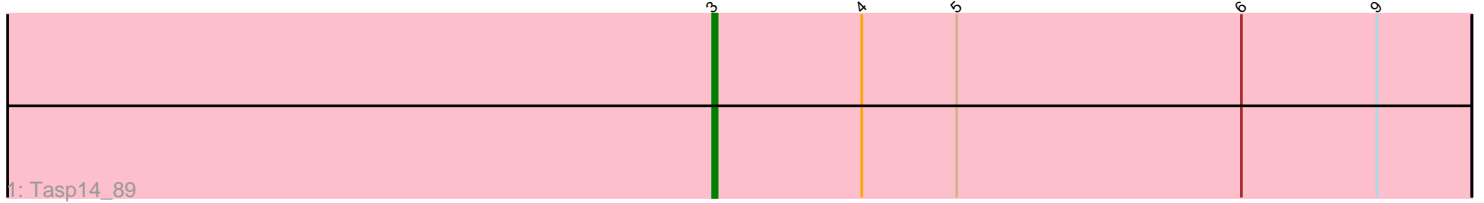


Pham 224998



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 224998 Report

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

Pham number 224998 has 14 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Tasp14_89
- Track 2 : ProMouse_93, IgnatiusPatJac_92
- Track 3 : Treddle_93, Trouble_93, HermioneGrange_96, JackSparrow_94, Jerm2_92, Marsha_96
- Track 4 : Parliament_93
- Track 5 : Sagefire_88
- Track 6 : Bob3_94, Nerujay_96
- Track 7 : Lamina13_96

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 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bob3_94, HermioneGrange_96, IgnatiusPatJac_92, JackSparrow_94, Jerm2_92, Lamina13_96, Marsha_96, Nerujay_96, Parliament_93, ProMouse_93, Sagefire_88, Tasp14_89, Treddle_93, Trouble_93,

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

-

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

-

Summary by start number:

Start 3:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bob3_94 (A1), HermioneGrange_96 (A1), IgnatiusPatJac_92 (A1), JackSparrow_94 (A1), Jerm2_92 (A1), Lamina13_96 (A1), Marsha_96 (A1), Nerujay_96 (A1), Parliament_93 (A1), ProMouse_93 (A1),

Sagefire_88 (A1), Tasp14_89 (A1), Treddle_93 (A1), Trouble_93 (A1),

Summary by clusters:

There is one cluster represented in this pham: A1

Info for manual annotations of cluster A1:

•Start number 3 was manually annotated 13 times for cluster A1.

Gene Information:

Gene: Bob3_94 Start: 51642, Stop: 51493, Start Num: 3

Candidate Starts for Bob3_94:

(Start: 3 @51642 has 13 MA's), (5, 51588), (6, 51525), (7, 51507), (8, 51504),

Gene: HermioneGrange_96 Start: 52554, Stop: 52405, Start Num: 3

Candidate Starts for HermioneGrange_96:

(Start: 3 @52554 has 13 MA's), (4, 52521), (5, 52500), (6, 52437), (7, 52419), (8, 52416),

Gene: IgnatiusPatJac_92 Start: 50588, Stop: 50439, Start Num: 3

Candidate Starts for IgnatiusPatJac_92:

(Start: 3 @50588 has 13 MA's), (5, 50534), (6, 50471), (7, 50453),

Gene: JackSparrow_94 Start: 51003, Stop: 50854, Start Num: 3

Candidate Starts for JackSparrow_94:

(Start: 3 @51003 has 13 MA's), (4, 50970), (5, 50949), (6, 50886), (7, 50868), (8, 50865),

Gene: Jerm2_92 Start: 52623, Stop: 52474, Start Num: 3

Candidate Starts for Jerm2_92:

(Start: 3 @52623 has 13 MA's), (4, 52590), (5, 52569), (6, 52506), (7, 52488), (8, 52485),

Gene: Lamina13_96 Start: 52655, Stop: 52506, Start Num: 3

Candidate Starts for Lamina13_96:

(Start: 3 @52655 has 13 MA's), (7, 52520), (8, 52517),

Gene: Marsha_96 Start: 53852, Stop: 53703, Start Num: 3

Candidate Starts for Marsha_96:

(Start: 3 @53852 has 13 MA's), (4, 53819), (5, 53798), (6, 53735), (7, 53717), (8, 53714),

Gene: Nerujay_96 Start: 52862, Stop: 52713, Start Num: 3

Candidate Starts for Nerujay_96:

(Start: 3 @52862 has 13 MA's), (5, 52808), (6, 52745), (7, 52727), (8, 52724),

Gene: Parliament_93 Start: 53137, Stop: 52988, Start Num: 3

Candidate Starts for Parliament_93:

(1, 53263), (2, 53239), (Start: 3 @53137 has 13 MA's), (4, 53104), (5, 53083), (6, 53020), (7, 53002), (8, 52999),

Gene: ProMouse_93 Start: 50195, Stop: 50046, Start Num: 3

Candidate Starts for ProMouse_93:

(Start: 3 @50195 has 13 MA's), (5, 50141), (6, 50078), (7, 50060),

Gene: Sagefire_88 Start: 50871, Stop: 50722, Start Num: 3

Candidate Starts for Sagefire_88:

(Start: 3 @50871 has 13 MA's), (4, 50838), (7, 50736),

Gene: Tasp14_89 Start: 50819, Stop: 50652, Start Num: 3

Candidate Starts for Tasp14_89:

(Start: 3 @50819 has 13 MA's), (4, 50786), (5, 50765), (6, 50702), (9, 50672),

Gene: Treddle_93 Start: 52405, Stop: 52256, Start Num: 3

Candidate Starts for Treddle_93:

(Start: 3 @52405 has 13 MA's), (4, 52372), (5, 52351), (6, 52288), (7, 52270), (8, 52267),

Gene: Trouble_93 Start: 51497, Stop: 51348, Start Num: 3

Candidate Starts for Trouble_93:

(Start: 3 @51497 has 13 MA's), (4, 51464), (5, 51443), (6, 51380), (7, 51362), (8, 51359),