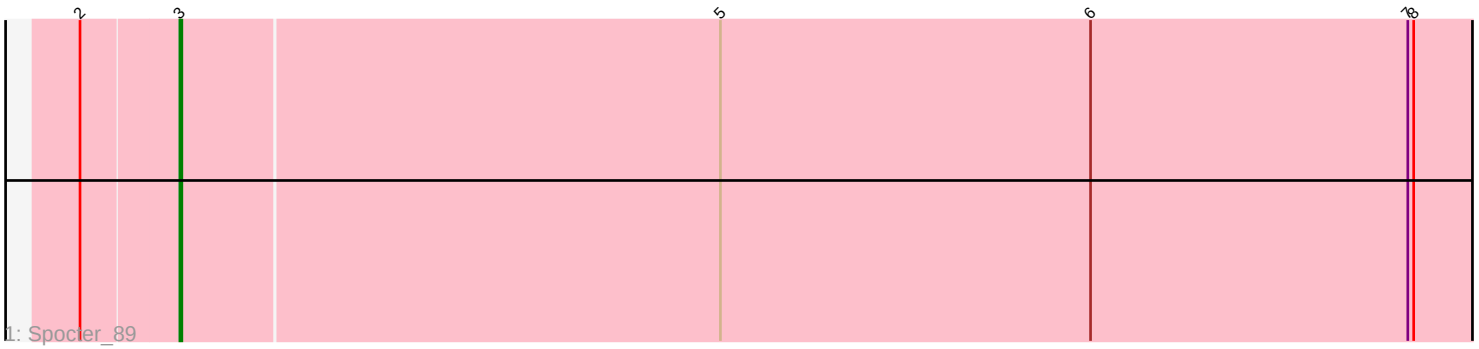
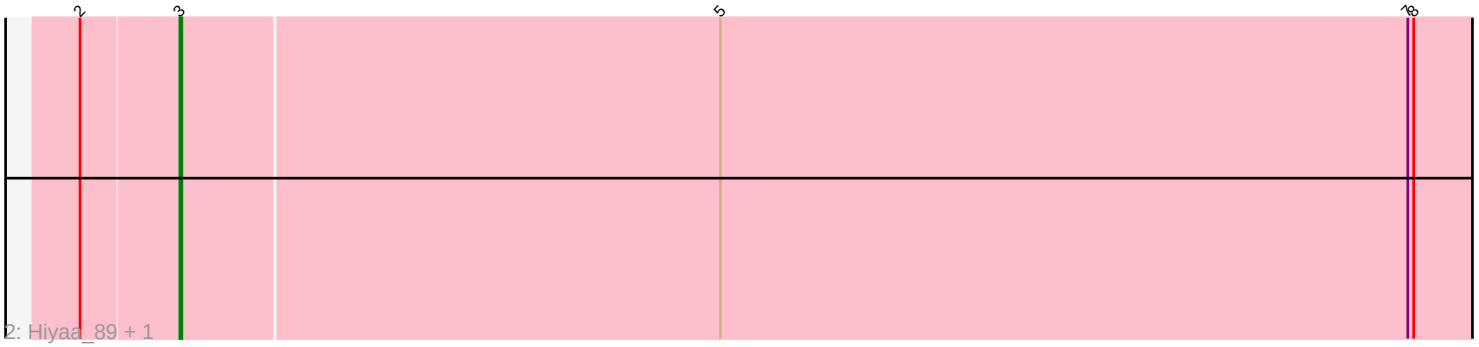
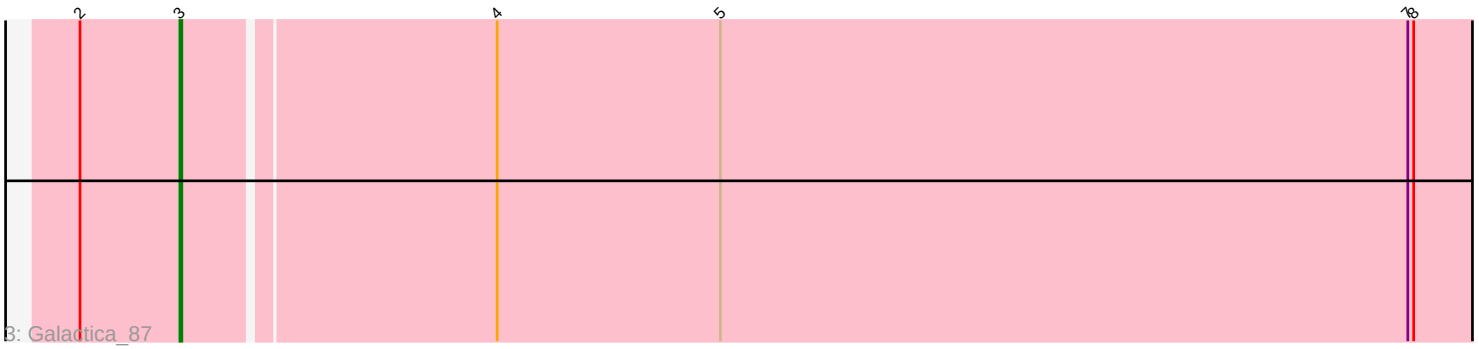
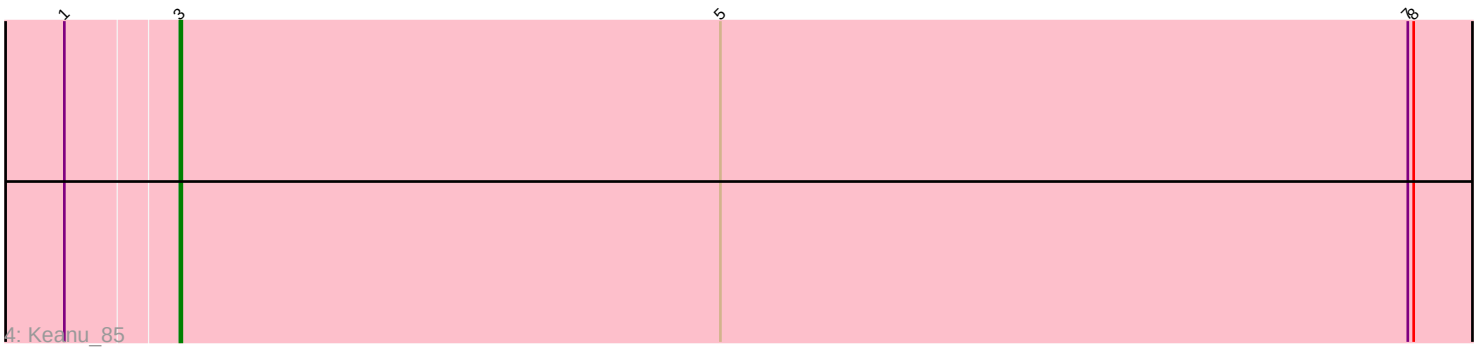
# Pham 348432


2
3
5
6
18
1: Spocter_89


2
3
5
18
2: Hiyaa_89 + 1


2
3
4
5
18
3: Galactica_87


1
3
5
18
4: Keanu_85

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 348432 Report

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

Pham number 348432 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Spocter_89
• Track 2 : Hiyaa_89, Kokushibo_89
• Track 3 : Galactica_87
• Track 4 : Keanu_85

***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 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Galactica_87, Hiyaa_89, Keanu_85, Kokushibo_89, Spocter_89,

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 5 of 5 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Galactica_87 (BQ), Hiyaa_89 (BQ), Keanu_85 (BQ), Kokushibo_89 (BQ), Spocter_89 (BQ),

**Summary by clusters:**

There is one cluster represented in this pham: BQ

Info for manual annotations of cluster BQ:
•Start number 3 was manually annotated 5 times for cluster BQ.

### *Gene Information:*

Gene: Galactica_87 Start: 60485, Stop: 61150, Start Num: 3
Candidate Starts for Galactica_87:
(2, 60434), (Start: 3 @60485 has 5 MA's), (4, 60638), (5, 60752), (7, 61103), (8, 61106),

Gene: Hiyaa_89 Start: 61249, Stop: 61920, Start Num: 3
Candidate Starts for Hiyaa_89:
(2, 61201), (Start: 3 @61249 has 5 MA's), (5, 61522), (7, 61873), (8, 61876),

Gene: Keanu_85 Start: 60621, Stop: 61295, Start Num: 3
Candidate Starts for Keanu_85:
(1, 60567), (Start: 3 @60621 has 5 MA's), (5, 60897), (7, 61248), (8, 61251),

Gene: Kokushibo_89 Start: 61281, Stop: 61952, Start Num: 3
Candidate Starts for Kokushibo_89:
(2, 61233), (Start: 3 @61281 has 5 MA's), (5, 61554), (7, 61905), (8, 61908),

Gene: Spocter_89 Start: 61605, Stop: 62276, Start Num: 3
Candidate Starts for Spocter_89:
(2, 61557), (Start: 3 @61605 has 5 MA's), (5, 61878), (6, 62067), (7, 62229), (8, 62232),