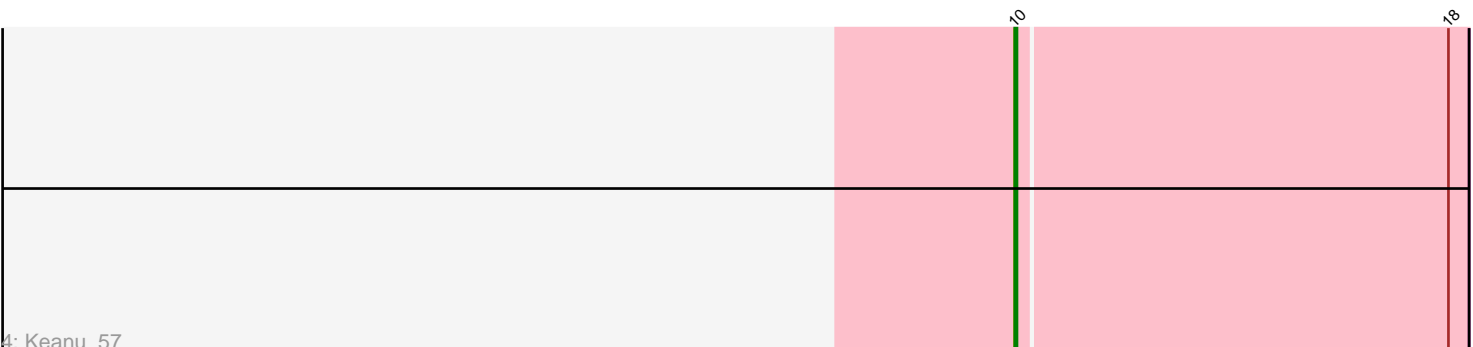
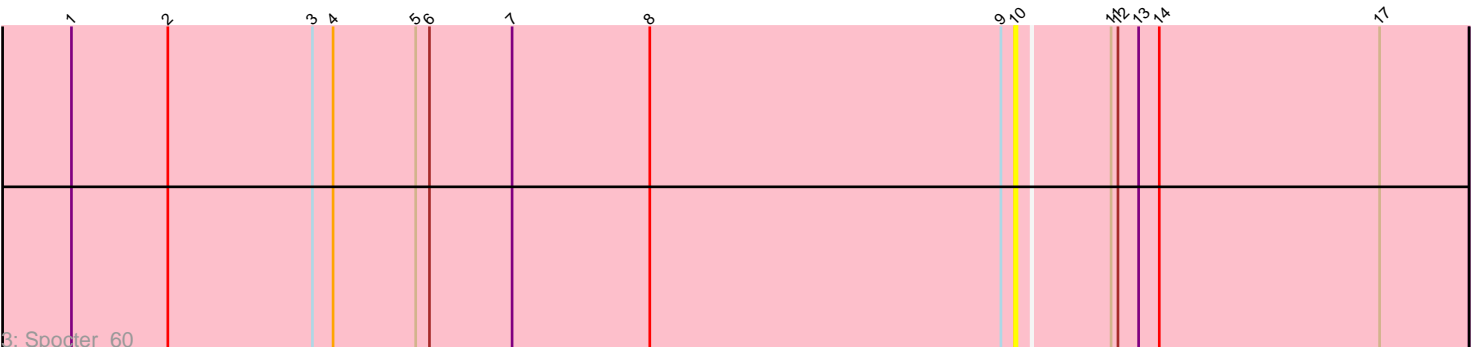
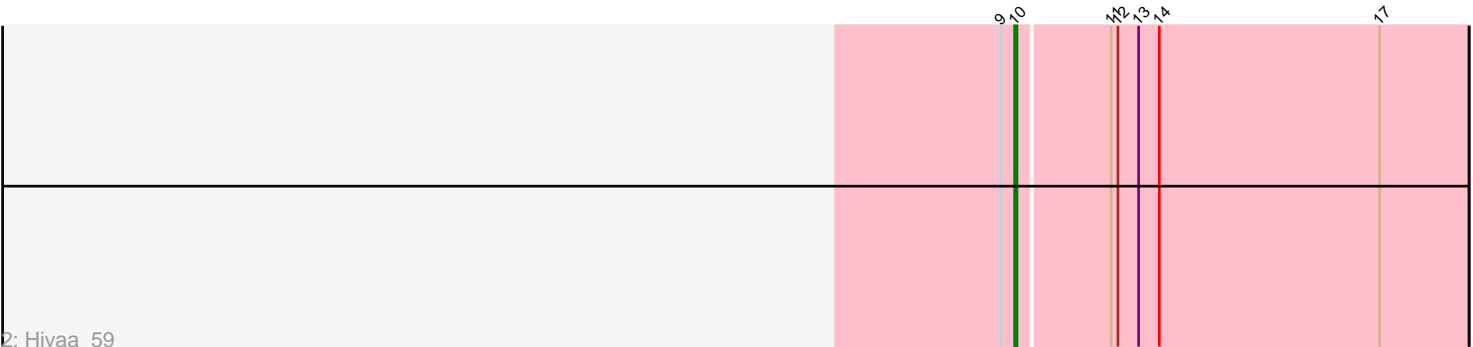
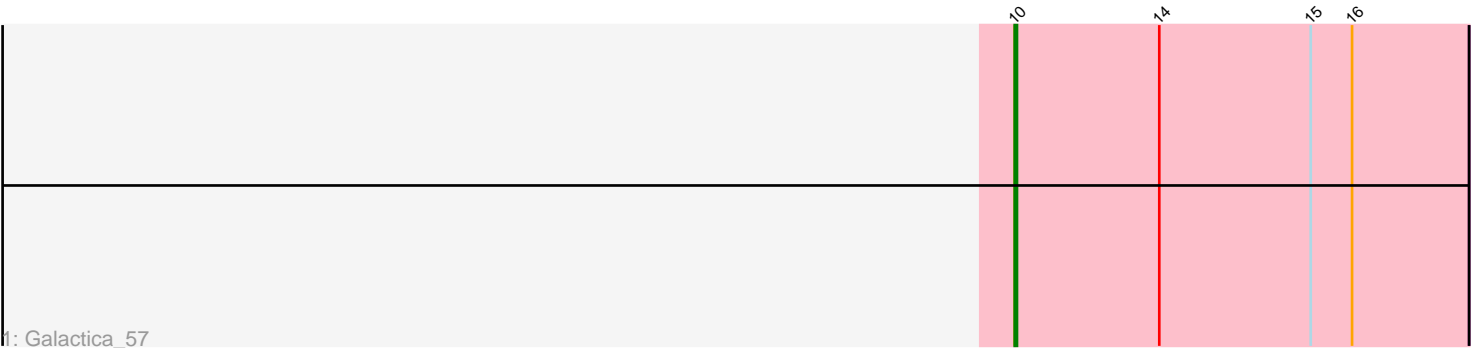


Pham 12301



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 12301 Report

This analysis was run 04/28/24 on database version 559.

Pham number 12301 has 4 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Galactica_57
- Track 2 : Hiyaa_59
- Track 3 : Spocter_60
- Track 4 : Keanu_57

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

The start number called the most often in the published annotations is 10, it was called in 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Galactica_57, Hiyaa_59, Keanu_57, Spocter_60,

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 10:

- Found in 4 of 4 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 3
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Galactica_57 (BQ), Hiyaa_59 (BQ), Keanu_57 (BQ), Spocter_60 (BQ),

Summary by clusters:

There is one cluster represented in this pham: BQ

Info for manual annotations of cluster BQ:

- Start number 10 was manually annotated 3 times for cluster BQ.

Gene Information:

Gene: Galactica_57 Start: 43916, Stop: 44113, Start Num: 10

Candidate Starts for Galactica_57:

(Start: 10 @43916 has 3 MA's), (14, 43979), (15, 44045), (16, 44063),

Gene: Hiya_59 Start: 45494, Stop: 45688, Start Num: 10

Candidate Starts for Hiya_59:

(9, 45488), (Start: 10 @45494 has 3 MA's), (11, 45533), (12, 45536), (13, 45545), (14, 45554), (17, 45650),

Gene: Keanu_57 Start: 44929, Stop: 45123, Start Num: 10

Candidate Starts for Keanu_57:

(Start: 10 @44929 has 3 MA's), (18, 45115),

Gene: Spocter_60 Start: 45535, Stop: 45729, Start Num: 10

Candidate Starts for Spocter_60:

(1, 45124), (2, 45166), (3, 45229), (4, 45238), (5, 45274), (6, 45280), (7, 45316), (8, 45376), (9, 45529), (Start: 10 @45535 has 3 MA's), (11, 45574), (12, 45577), (13, 45586), (14, 45595), (17, 45691),