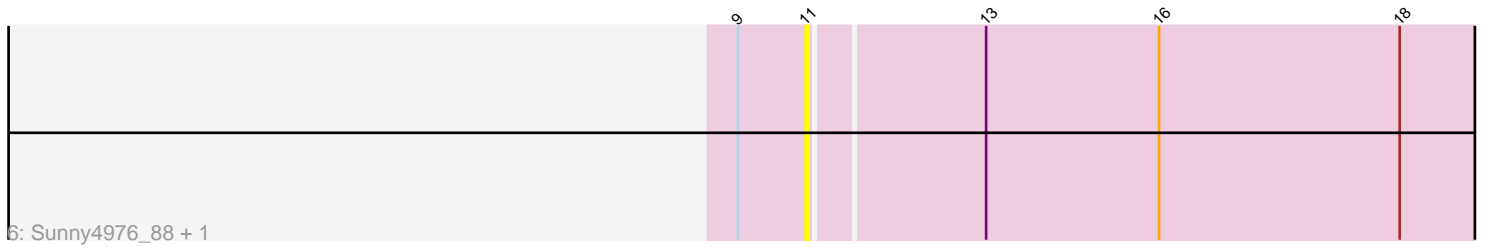
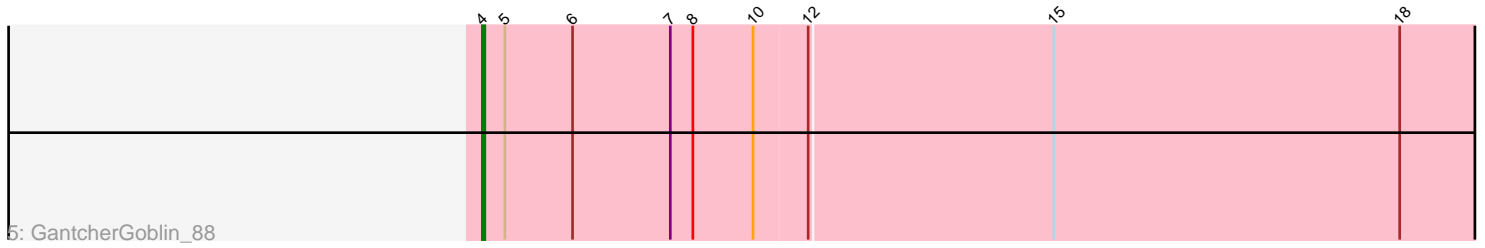
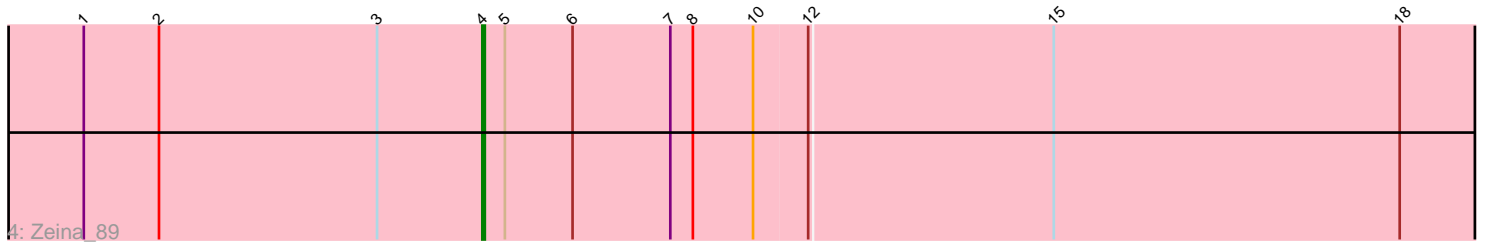
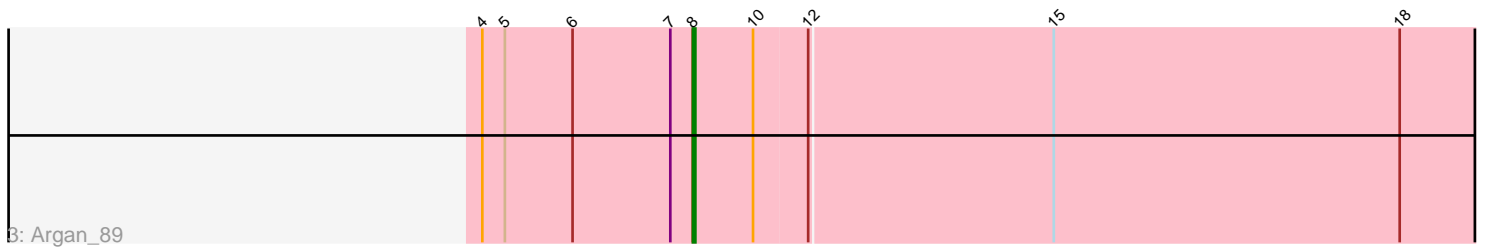
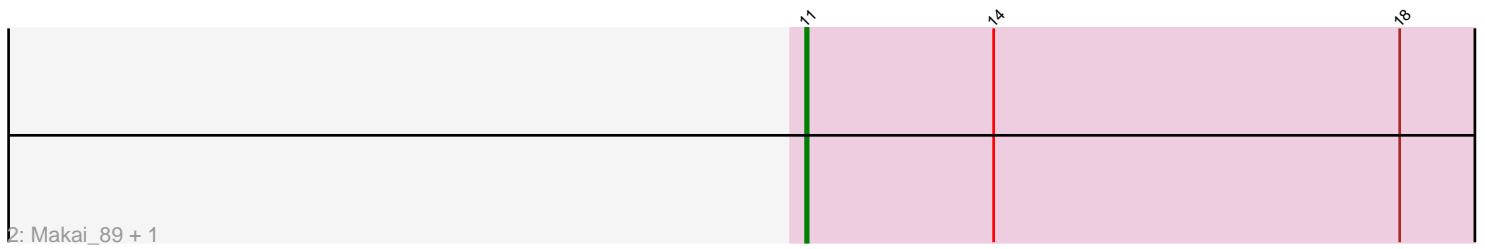
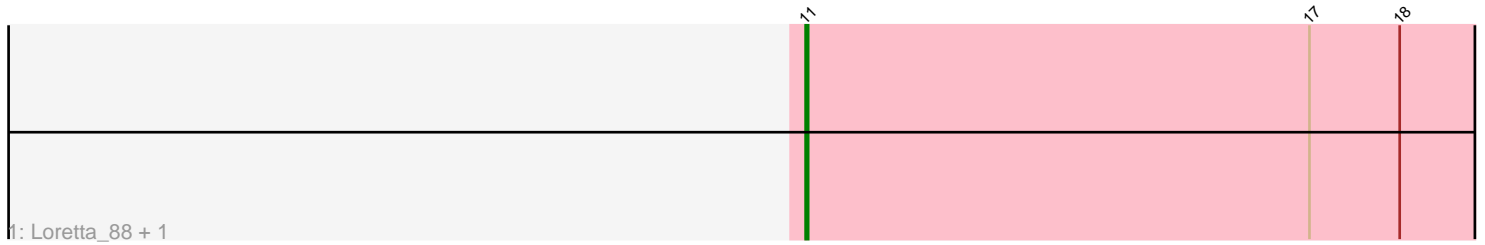


Pham 164113



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 164113 Report

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

Pham number 164113 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Loretta_88, Ingrid_92
- Track 2 : Makai_89, Truckee_86
- Track 3 : Argan_89
- Track 4 : Zeina_89
- Track 5 : GantcherGoblin_88
- Track 6 : Sunny4976_88, Jazzy4900_89

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

The start number called the most often in the published annotations is 11, it was called in 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ingrid_92, Jazzy4900_89, Loretta_88, Makai_89, Sunny4976_88, Truckee_86,

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

-

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

- Argan_89, GantcherGoblin_88, Zeina_89,

Summary by start number:

Start 4:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 7
- Called 66.7% of time when present
- Phage (with cluster) where this start called: GantcherGoblin_88 (AU6), Zeina_89 (AU6),

Start 8:

- Found in 3 of 9 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 33.3% of time when present

- Phage (with cluster) where this start called: Argan_89 (AU6),

Start 11:

- Found in 6 of 9 (66.7%) of genes in pham
- Manual Annotations of this start: 4 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ingrid_92 (AU3), Jazzy4900_89 (FI), Loretta_88 (AU3), Makai_89 (AU5), Sunny4976_88 (FI), Truckee_86 (AU5),

Summary by clusters:

There are 4 clusters represented in this pham: FI, AU3, AU5, AU6,

Info for manual annotations of cluster AU3:

- Start number 11 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU5:

- Start number 11 was manually annotated 2 times for cluster AU5.

Info for manual annotations of cluster AU6:

- Start number 4 was manually annotated 2 times for cluster AU6.
- Start number 8 was manually annotated 1 time for cluster AU6.

Gene Information:

Gene: Argan_89 Start: 51286, Stop: 51648, Start Num: 8

Candidate Starts for Argan_89:

(Start: 4 @51202 has 2 MA's), (5, 51211), (6, 51238), (7, 51277), (Start: 8 @51286 has 1 MA's), (10, 51310), (12, 51331), (15, 51427), (18, 51565),

Gene: GantcherGoblin_88 Start: 51349, Stop: 51795, Start Num: 4

Candidate Starts for GantcherGoblin_88:

(Start: 4 @51349 has 2 MA's), (5, 51358), (6, 51385), (7, 51424), (Start: 8 @51433 has 1 MA's), (10, 51457), (12, 51478), (15, 51574), (18, 51712),

Gene: Ingrid_92 Start: 53005, Stop: 53346, Start Num: 11

Candidate Starts for Ingrid_92:

(Start: 11 @53005 has 4 MA's), (17, 53206), (18, 53242),

Gene: Jazzy4900_89 Start: 54541, Stop: 54918, Start Num: 11

Candidate Starts for Jazzy4900_89:

(9, 54514), (Start: 11 @54541 has 4 MA's), (13, 54607), (16, 54676), (18, 54772),

Gene: Loretta_88 Start: 53005, Stop: 53346, Start Num: 11

Candidate Starts for Loretta_88:

(Start: 11 @53005 has 4 MA's), (17, 53206), (18, 53242),

Gene: Makai_89 Start: 54043, Stop: 54384, Start Num: 11

Candidate Starts for Makai_89:

(Start: 11 @54043 has 4 MA's), (14, 54118), (18, 54280),

Gene: Sunny4976_88 Start: 54541, Stop: 54918, Start Num: 11

Candidate Starts for Sunny4976_88:

(9, 54514), (Start: 11 @54541 has 4 MA's), (13, 54607), (16, 54676), (18, 54772),

Gene: Truckee_86 Start: 53795, Stop: 54136, Start Num: 11

Candidate Starts for Truckee_86:

(Start: 11 @53795 has 4 MA's), (14, 53870), (18, 54032),

Gene: Zeina_89 Start: 50998, Stop: 51444, Start Num: 4

Candidate Starts for Zeina_89:

(1, 50839), (2, 50869), (3, 50956), (Start: 4 @50998 has 2 MA's), (5, 51007), (6, 51034), (7, 51073),

(Start: 8 @51082 has 1 MA's), (10, 51106), (12, 51127), (15, 51223), (18, 51361),