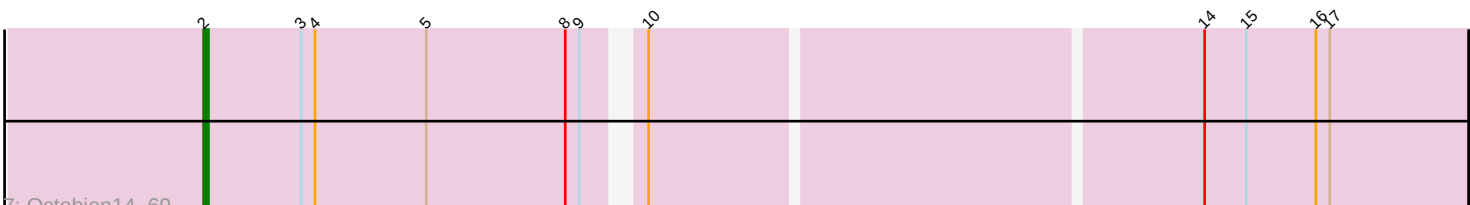
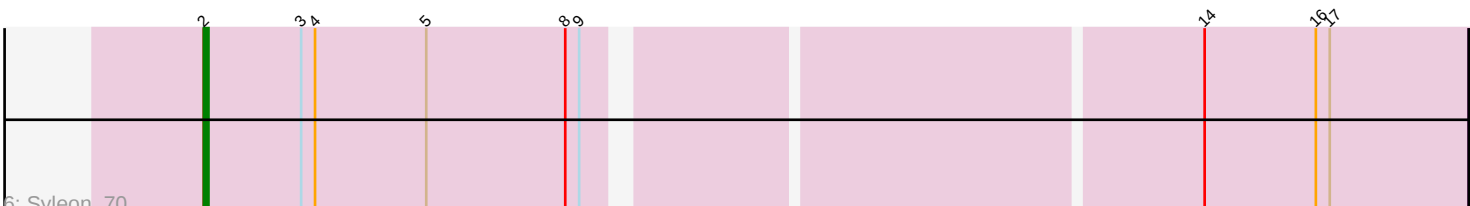
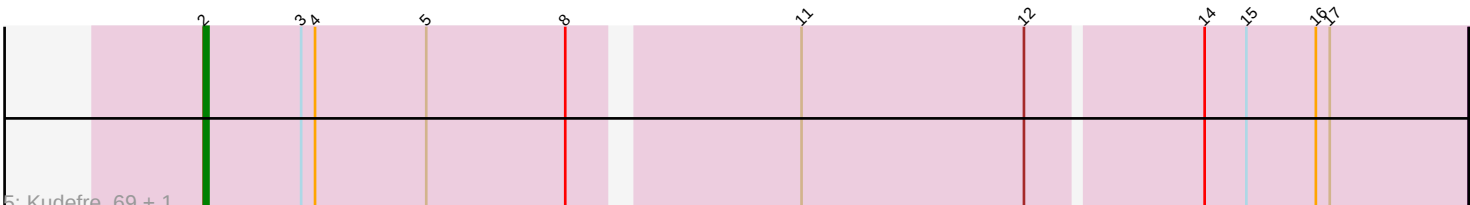
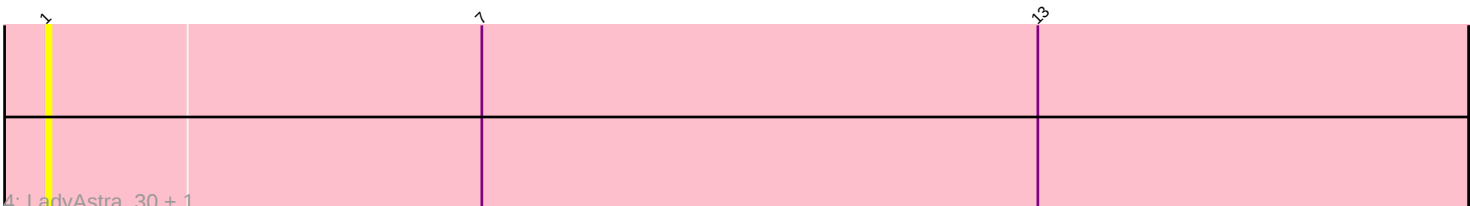


Pham 291700



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 291700 Report

This analysis was run 03/28/26 on database version 641.

Pham number 291700 has 12 members, 4 are drafts.

Phages represented in each track:

- Track 1 : FiveHead_32, JohnThicc_31
- Track 2 : JasmineDragon_29, MiniMommy_28, ShakeltOph_29
- Track 3 : VroomVroom_29
- Track 4 : LadyAstra_30, Origami_30
- Track 5 : Kudrefre_69, Sephiroth_68
- Track 6 : Syleon_70
- Track 7 : Octobien14_69

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- FiveHead_32, JasmineDragon_29, JohnThicc_31, LadyAstra_30, MiniMommy_28, Origami_30, ShakeltOph_29, VroomVroom_29,

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

•

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

- Kudrefre_69, Octobien14_69, Sephiroth_68, Syleon_70,

Summary by start number:

Start 1:

- Found in 8 of 12 (66.7%) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FiveHead_32 (AZ4), JasmineDragon_29 (AZ4), JohnThicc_31 (AZ4), LadyAstra_30 (AZ4), MiniMommy_28 (AZ4), Origami_30 (AZ4), ShakeltOph_29 (AZ4), VroomVroom_29 (AZ4),

Start 2:

- Found in 4 of 12 (33.3%) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kudefre_69 (DU1), Octobien14_69 (DU1), Sephiroth_68 (DU1), Syleon_70 (DU1),

Summary by clusters:

There are 2 clusters represented in this pham: DU1, AZ4,

Info for manual annotations of cluster AZ4:

- Start number 1 was manually annotated 4 times for cluster AZ4.

Info for manual annotations of cluster DU1:

- Start number 2 was manually annotated 4 times for cluster DU1.

Gene Information:

Gene: FiveHead_32 Start: 22415, Stop: 22720, Start Num: 1

Candidate Starts for FiveHead_32:

(Start: 1 @22415 has 4 MA's), (13, 22628),

Gene: JasmineDragon_29 Start: 22315, Stop: 22620, Start Num: 1

Candidate Starts for JasmineDragon_29:

(Start: 1 @22315 has 4 MA's), (5, 22396), (13, 22528), (17, 22591),

Gene: JohnThicc_31 Start: 22415, Stop: 22720, Start Num: 1

Candidate Starts for JohnThicc_31:

(Start: 1 @22415 has 4 MA's), (13, 22628),

Gene: Kudefre_69 Start: 44258, Stop: 44521, Start Num: 2

Candidate Starts for Kudefre_69:

(Start: 2 @44258 has 4 MA's), (3, 44279), (4, 44282), (5, 44306), (8, 44336), (11, 44381), (12, 44429), (14, 44465), (15, 44474), (16, 44489), (17, 44492),

Gene: LadyAstra_30 Start: 22349, Stop: 22654, Start Num: 1

Candidate Starts for LadyAstra_30:

(Start: 1 @22349 has 4 MA's), (7, 22442), (13, 22562),

Gene: MiniMommy_28 Start: 22316, Stop: 22621, Start Num: 1

Candidate Starts for MiniMommy_28:

(Start: 1 @22316 has 4 MA's), (5, 22397), (13, 22529), (17, 22592),

Gene: Octobien14_69 Start: 44537, Stop: 44797, Start Num: 2

Candidate Starts for Octobien14_69:

(Start: 2 @44537 has 4 MA's), (3, 44558), (4, 44561), (5, 44585), (8, 44615), (9, 44618), (10, 44627), (14, 44741), (15, 44750), (16, 44765), (17, 44768),

Gene: Origami_30 Start: 22349, Stop: 22654, Start Num: 1

Candidate Starts for Origami_30:

(Start: 1 @22349 has 4 MA's), (7, 22442), (13, 22562),

Gene: Sephiroth_68 Start: 44430, Stop: 44693, Start Num: 2

Candidate Starts for Sephiroth_68:

(Start: 2 @44430 has 4 MA's), (3, 44451), (4, 44454), (5, 44478), (8, 44508), (11, 44553), (12, 44601), (14, 44637), (15, 44646), (16, 44661), (17, 44664),

Gene: ShakeltOph_29 Start: 22315, Stop: 22620, Start Num: 1

Candidate Starts for ShakeltOph_29:

(Start: 1 @22315 has 4 MA's), (5, 22396), (13, 22528), (17, 22591),

Gene: Syleon_70 Start: 44371, Stop: 44631, Start Num: 2

Candidate Starts for Syleon_70:

(Start: 2 @44371 has 4 MA's), (3, 44392), (4, 44395), (5, 44419), (8, 44449), (9, 44452), (14, 44575), (16, 44599), (17, 44602),

Gene: VroomVroom_29 Start: 22410, Stop: 22715, Start Num: 1

Candidate Starts for VroomVroom_29:

(Start: 1 @22410 has 4 MA's), (6, 22497), (13, 22623), (17, 22686),