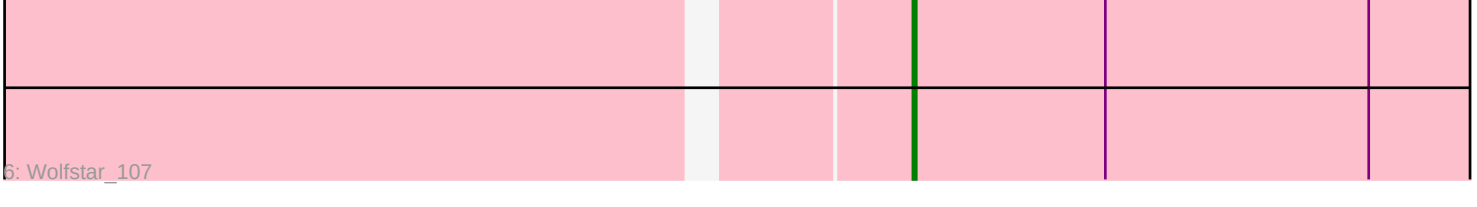
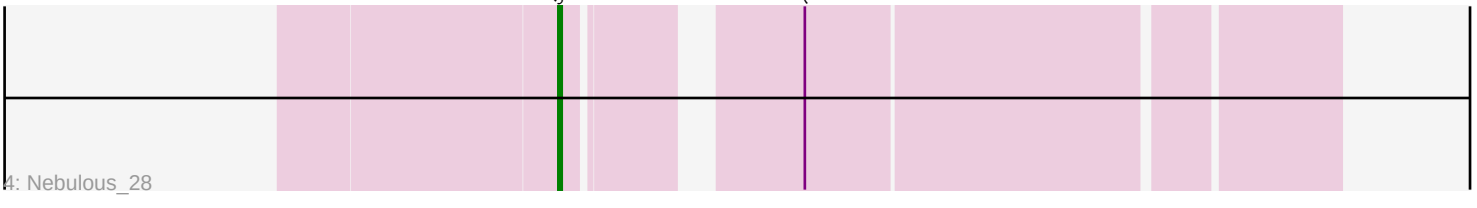
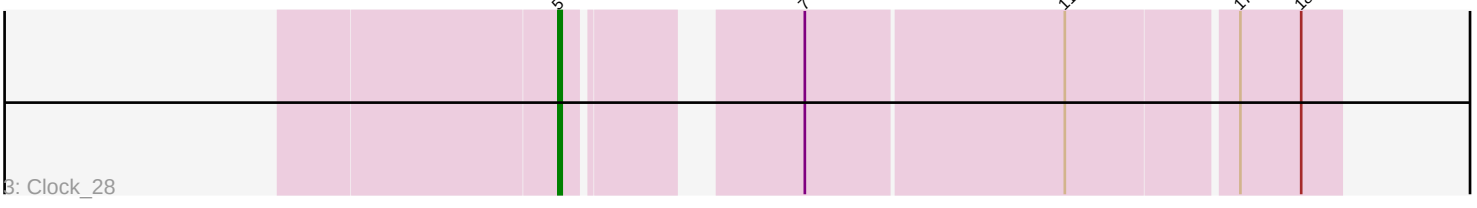
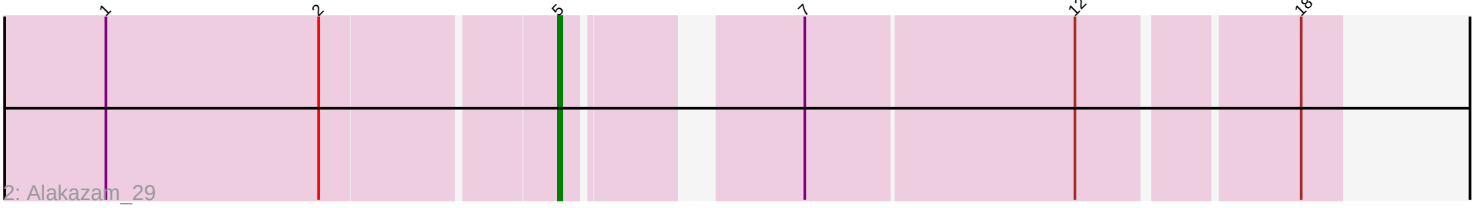
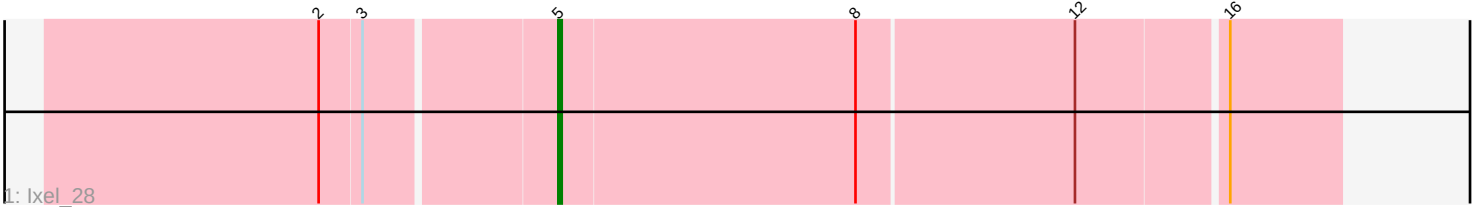


Pham 310005



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 310005 Report

This analysis was run 09/05/26 on database version 662.

Pham number 310005 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Ixel_28
- Track 2 : Alakazam_29
- Track 3 : Clock_28
- Track 4 : Nebulous_28
- Track 5 : Neferthena_28
- Track 6 : Wolfstar_107
- Track 7 : Mistmere_110

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

The start number called the most often in the published annotations is 5, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alakazam_29, Clock_28, Ixel_28, Mistmere_110, Nebulous_28, Neferthena_28,

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

-

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

- Wolfstar_107,

Summary by start number:

Start 5:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alakazam_29 (EA5), Clock_28 (EA5), Ixel_28 (EA11), Mistmere_110 (ED3), Nebulous_28 (EA5), Neferthena_28 (EA5),

Start 9:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 6

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Wolfstar_107 (ED),

Summary by clusters:

There are 4 clusters represented in this pham: ED3, ED, EA5, EA11,

Info for manual annotations of cluster EA11:

- Start number 5 was manually annotated 1 time for cluster EA11.

Info for manual annotations of cluster EA5:

- Start number 5 was manually annotated 4 times for cluster EA5.

Info for manual annotations of cluster ED:

- Start number 9 was manually annotated 1 time for cluster ED.

Gene Information:

Gene: Alakazam_29 Start: 20979, Stop: 20773, Start Num: 5

Candidate Starts for Alakazam_29:

(1, 21108), (2, 21045), (Start: 5 @20979 has 5 MA's), (7, 20922), (12, 20844), (18, 20784),

Gene: Clock_28 Start: 21370, Stop: 21161, Start Num: 5

Candidate Starts for Clock_28:

(Start: 5 @21370 has 5 MA's), (7, 21313), (11, 21238), (17, 21190), (18, 21172),

Gene: Ixel_28 Start: 19419, Stop: 19195, Start Num: 5

Candidate Starts for Ixel_28:

(2, 19485), (3, 19473), (Start: 5 @19419 has 5 MA's), (8, 19332), (12, 19269), (16, 19227),

Gene: Mistmere_110 Start: 56586, Stop: 56341, Start Num: 5

Candidate Starts for Mistmere_110:

(4, 56616), (Start: 5 @56586 has 5 MA's), (6, 56574), (10, 56484), (14, 56427), (15, 56424),

Gene: Nebulous_28 Start: 21551, Stop: 21345, Start Num: 5

Candidate Starts for Nebulous_28:

(Start: 5 @21551 has 5 MA's), (7, 21494),

Gene: Neferthena_28 Start: 21401, Stop: 21192, Start Num: 5

Candidate Starts for Neferthena_28:

(Start: 5 @21401 has 5 MA's), (7, 21344), (11, 21269), (17, 21221),

Gene: Wolfstar_107 Start: 57947, Stop: 57750, Start Num: 9

Candidate Starts for Wolfstar_107:

(Start: 9 @57947 has 1 MA's), (13, 57890), (19, 57812),