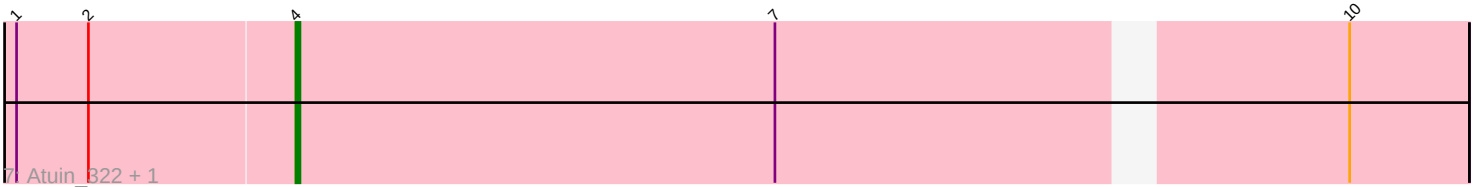
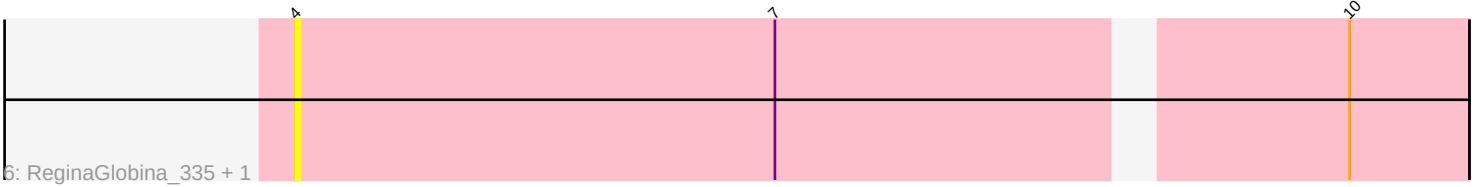
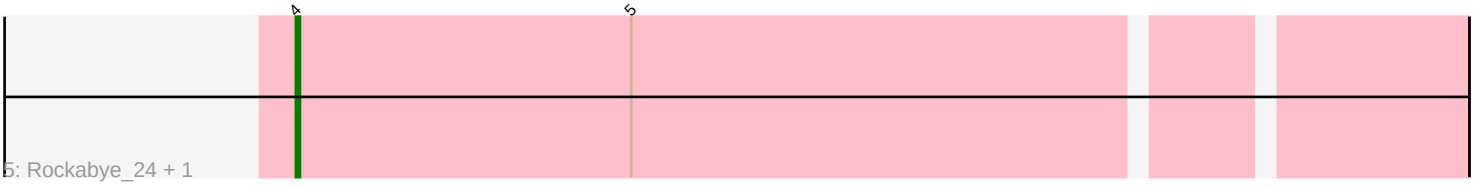
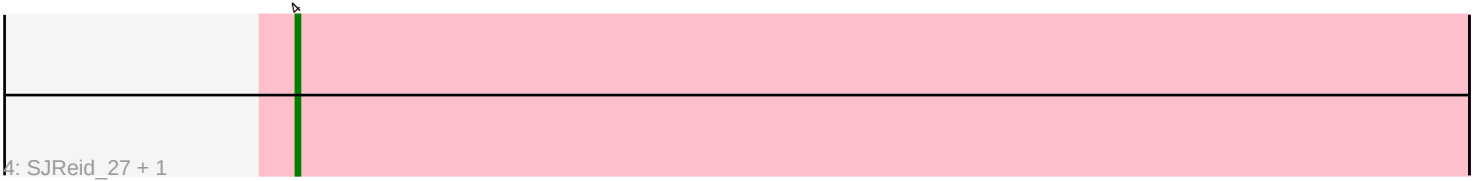
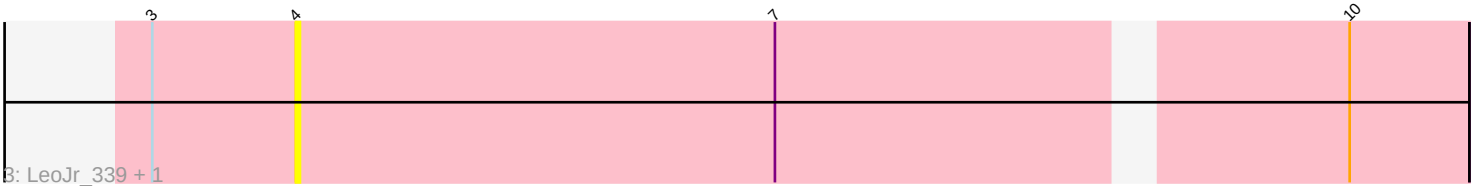
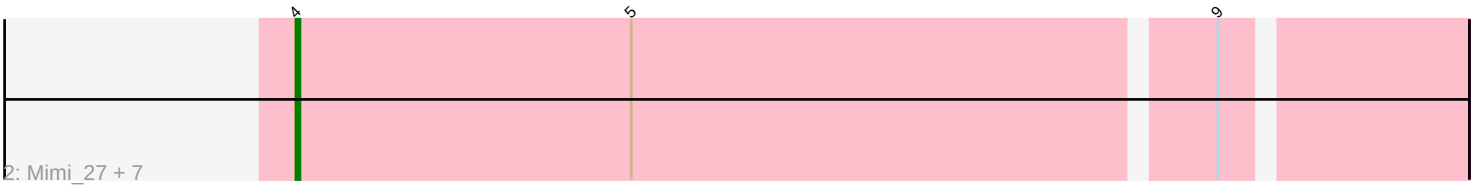
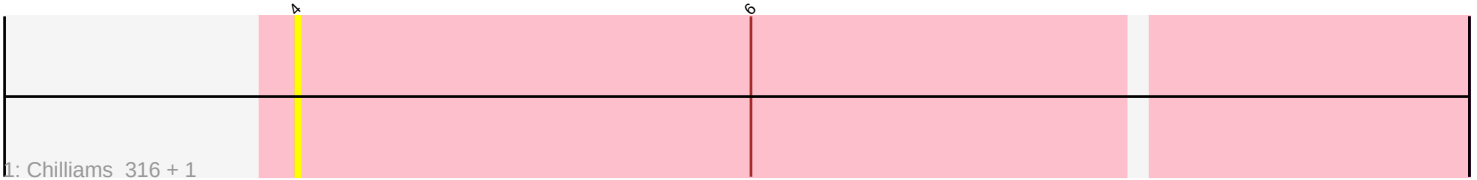


Pham 331228



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 331228 Report

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

Pham number 331228 has 22 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Chilliams_316, Chilliams_25
- Track 2 : Mimi_27, Racecar_317, FrostedClock_29, Talia1610_27, Talia1610_313, Racecar_28, Mimi_312, FrostedClock_314
- Track 3 : LeoJr_339, LeoJr_26
- Track 4 : SJReid_27, SJReid_336
- Track 5 : Rockabye_24, Rockabye_321
- Track 6 : ReginaGlobina_335, ReginaGlobina_24
- Track 7 : Atuin_322, Atuin_22
- Track 8 : Phrampa_307, Phrampa_23

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

The start number called the most often in the published annotations is 4, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Atuin_22, Atuin_322, Chilliams_25, Chilliams_316, FrostedClock_29, FrostedClock_314, LeoJr_26, LeoJr_339, Mimi_27, Mimi_312, Phrampa_23, Phrampa_307, Racecar_28, Racecar_317, ReginaGlobina_24, ReginaGlobina_335, Rockabye_24, Rockabye_321, SJReid_27, SJReid_336, Talia1610_27, Talia1610_313,

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 4:

- Found in 22 of 22 (100.0%) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Atuin_22 (FC), Atuin_322 (FC), Chilliams_25 (FC), Chilliams_316 (FC), FrostedClock_29 (FC), FrostedClock_314 (FC), LeoJr_26 (FC), LeoJr_339 (FC), Mimi_27 (FC), Mimi_312 (FC), Phrampa_23 (FC), Phrampa_307 (FC), Racecar_28 (FC), Racecar_317 (FC), ReginaGlobina_24 (FC), ReginaGlobina_335 (FC), Rockabye_24 (FC), Rockabye_321 (FC), SJReid_27 (FC), SJReid_336 (FC), Talia1610_27 (FC), Talia1610_313 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

- Start number 4 was manually annotated 14 times for cluster FC.

Gene Information:

Gene: Atuin_322 Start: 187800, Stop: 188081, Start Num: 4

Candidate Starts for Atuin_322:

(1, 187731), (2, 187749), (Start: 4 @187800 has 14 MA's), (7, 187920), (10, 188052),

Gene: Atuin_22 Start: 10912, Stop: 11193, Start Num: 4

Candidate Starts for Atuin_22:

(1, 10843), (2, 10861), (Start: 4 @10912 has 14 MA's), (7, 11032), (10, 11164),

Gene: Chilliams_316 Start: 184931, Stop: 185218, Start Num: 4

Candidate Starts for Chilliams_316:

(Start: 4 @184931 has 14 MA's), (6, 185045),

Gene: Chilliams_25 Start: 12197, Stop: 12484, Start Num: 4

Candidate Starts for Chilliams_25:

(Start: 4 @12197 has 14 MA's), (6, 12311),

Gene: FrostedClock_29 Start: 12400, Stop: 12681, Start Num: 4

Candidate Starts for FrostedClock_29:

(Start: 4 @12400 has 14 MA's), (5, 12484), (9, 12625),

Gene: FrostedClock_314 Start: 186200, Stop: 186481, Start Num: 4

Candidate Starts for FrostedClock_314:

(Start: 4 @186200 has 14 MA's), (5, 186284), (9, 186425),

Gene: LeoJr_339 Start: 188518, Stop: 188799, Start Num: 4

Candidate Starts for LeoJr_339:

(3, 188482), (Start: 4 @188518 has 14 MA's), (7, 188638), (10, 188770),

Gene: LeoJr_26 Start: 11215, Stop: 11496, Start Num: 4

Candidate Starts for LeoJr_26:

(3, 11179), (Start: 4 @11215 has 14 MA's), (7, 11335), (10, 11467),

Gene: Mimi_27 Start: 12295, Stop: 12576, Start Num: 4

Candidate Starts for Mimi_27:

(Start: 4 @12295 has 14 MA's), (5, 12379), (9, 12520),

Gene: Mimi_312 Start: 184955, Stop: 185236, Start Num: 4
Candidate Starts for Mimi_312:
(Start: 4 @184955 has 14 MA's), (5, 185039), (9, 185180),

Gene: Phrampa_307 Start: 187070, Stop: 187363, Start Num: 4
Candidate Starts for Phrampa_307:
(Start: 4 @187070 has 14 MA's), (8, 187277), (9, 187301),

Gene: Phrampa_23 Start: 10699, Stop: 10992, Start Num: 4
Candidate Starts for Phrampa_23:
(Start: 4 @10699 has 14 MA's), (8, 10906), (9, 10930),

Gene: Racecar_317 Start: 186595, Stop: 186876, Start Num: 4
Candidate Starts for Racecar_317:
(Start: 4 @186595 has 14 MA's), (5, 186679), (9, 186820),

Gene: Racecar_28 Start: 12886, Stop: 13167, Start Num: 4
Candidate Starts for Racecar_28:
(Start: 4 @12886 has 14 MA's), (5, 12970), (9, 13111),

Gene: ReginaGlobina_335 Start: 188818, Stop: 189099, Start Num: 4
Candidate Starts for ReginaGlobina_335:
(Start: 4 @188818 has 14 MA's), (7, 188938), (10, 189070),

Gene: ReginaGlobina_24 Start: 11371, Stop: 11652, Start Num: 4
Candidate Starts for ReginaGlobina_24:
(Start: 4 @11371 has 14 MA's), (7, 11491), (10, 11623),

Gene: Rockabye_24 Start: 11983, Stop: 12264, Start Num: 4
Candidate Starts for Rockabye_24:
(Start: 4 @11983 has 14 MA's), (5, 12067),

Gene: Rockabye_321 Start: 184596, Stop: 184877, Start Num: 4
Candidate Starts for Rockabye_321:
(Start: 4 @184596 has 14 MA's), (5, 184680),

Gene: SJReid_27 Start: 12400, Stop: 12693, Start Num: 4
Candidate Starts for SJReid_27:
(Start: 4 @12400 has 14 MA's),

Gene: SJReid_336 Start: 185239, Stop: 185532, Start Num: 4
Candidate Starts for SJReid_336:
(Start: 4 @185239 has 14 MA's),

Gene: Talia1610_27 Start: 12308, Stop: 12589, Start Num: 4
Candidate Starts for Talia1610_27:
(Start: 4 @12308 has 14 MA's), (5, 12392), (9, 12533),

Gene: Talia1610_313 Start: 186780, Stop: 187061, Start Num: 4
Candidate Starts for Talia1610_313:
(Start: 4 @186780 has 14 MA's), (5, 186864), (9, 187005),