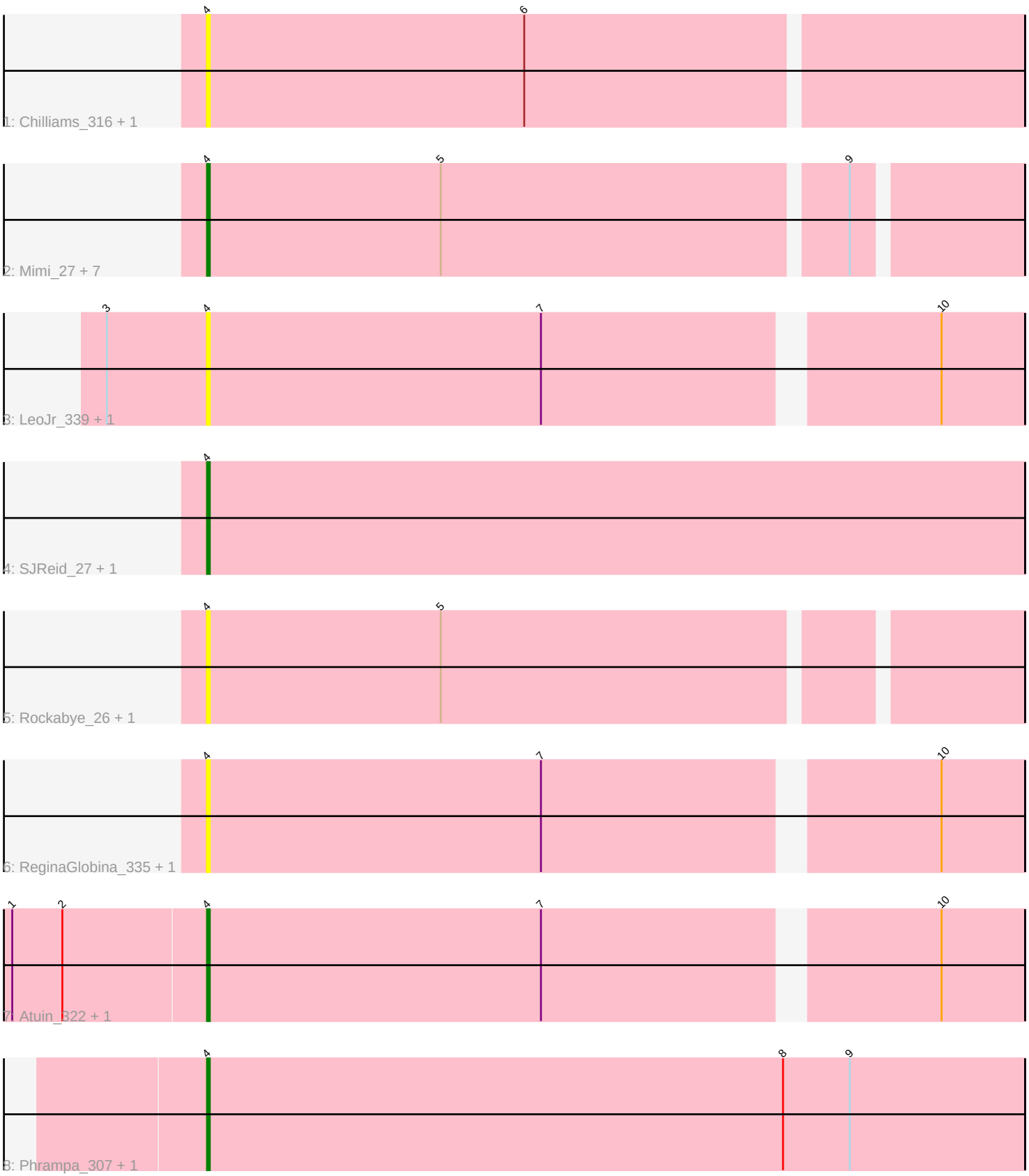
Pham 312004


4
6
1: Chilliams_316 + 1
4
5
9
2: Mimi_27 + 7
3
4
7
10
3: LeoJr_339 + 1
4
4: SJReid_27 + 1
4
5
5: Rockabye_26 + 1
4
7
10
6: ReginaGlobina_335 + 1
1
2
4
7
10
7: Atuin_322 + 1
4
8
9
8: Phrampa_307 + 1

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 312004 Report

This analysis was run 06/27/26 on database version 652.

Pham number 312004 has 22 members, 10 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, FrostedClock_314, Mimi_312
• Track 3 : LeoJr_339, LeoJr_26
• Track 4 : SJReid_27, SJReid_336
• Track 5 : Rockabye_26, Rockabye_325
• 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 12 of the 12 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_26, Rockabye_325, 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: 12 of 12
• 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_26 (FC), Rockabye_325 (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 12 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 12 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 12 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 12 MA's), (6, 185045),

Gene: Chilliams_25 Start: 12197, Stop: 12484, Start Num: 4
Candidate Starts for Chilliams_25:
(Start: 4 @12197 has 12 MA's), (6, 12311),

Gene: FrostedClock_29 Start: 12400, Stop: 12681, Start Num: 4
Candidate Starts for FrostedClock_29:
(Start: 4 @12400 has 12 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 12 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 12 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 12 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 12 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 12 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 12 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 12 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 12 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 12 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 12 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 12 MA's), (7, 11491), (10, 11623),

Gene: Rockabye_26 Start: 11983, Stop: 12264, Start Num: 4
Candidate Starts for Rockabye_26:
(Start: 4 @11983 has 12 MA's), (5, 12067),

Gene: Rockabye_325 Start: 184596, Stop: 184877, Start Num: 4
Candidate Starts for Rockabye_325:
(Start: 4 @184596 has 12 MA's), (5, 184680),

Gene: SJReid_27 Start: 12400, Stop: 12693, Start Num: 4
Candidate Starts for SJReid_27:
(Start: 4 @12400 has 12 MA's),

Gene: SJReid_336 Start: 185239, Stop: 185532, Start Num: 4
Candidate Starts for SJReid_336:
(Start: 4 @185239 has 12 MA's),

Gene: Talia1610_27 Start: 12308, Stop: 12589, Start Num: 4
Candidate Starts for Talia1610_27:
(Start: 4 @12308 has 12 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 12 MA's), (5, 186864), (9, 187005),