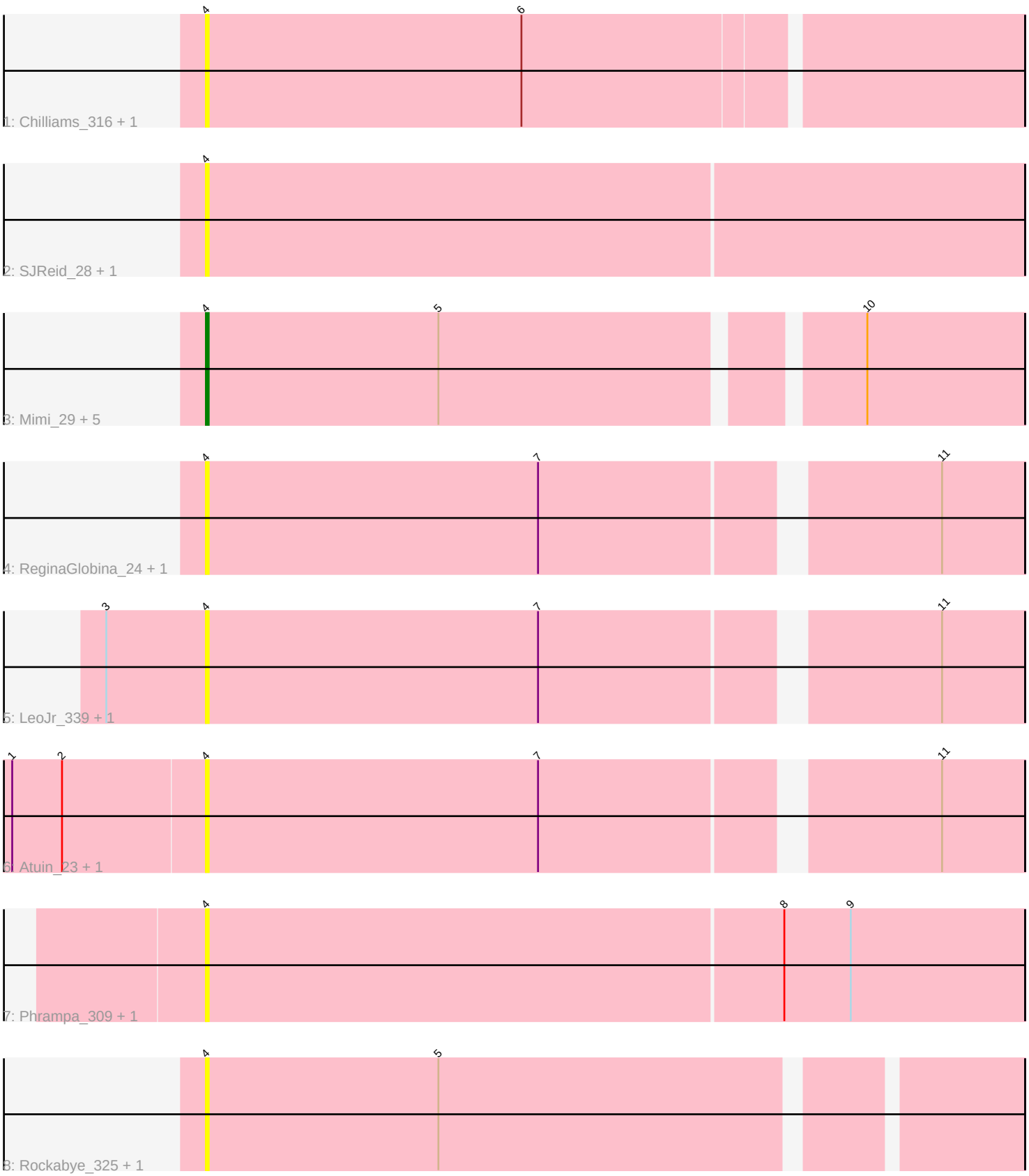
Pham 203323


4
6
1: Chilliams_316 + 1
4
2: SJReid_28 + 1
4
5
10
3: Mimi_29 + 5
4
7
11
4: ReginaGlobina_24 + 1
3
4
7
11
5: LeoJr_339 + 1
1
2
4
7
11
6: Atuin_23 + 1
4
8
9
7: Phrampa_309 + 1
4
5
8: Rockabye_325 + 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 203323 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203323 has 20 members, 16 are drafts.

Phages represented in each track:
• Track 1 : Chilliams_316, Chilliams_25
• Track 2 : SJReid_28, SJReid_339
• Track 3 : Mimi_29, Racecar_28, Talia1610_313, Talia1610_27, Racecar_317, Mimi_319
• Track 4 : ReginaGlobina_24, ReginaGlobina_335
• Track 5 : LeoJr_339, LeoJr_26
• Track 6 : Atuin_23, Atuin_330
• Track 7 : Phrampa_309, Phrampa_24
• Track 8 : Rockabye_325, Rockabye_26

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 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_23, Atuin_330, Chilliams_25, Chilliams_316, LeoJr_26, LeoJr_339, Mimi_29, Mimi_319, Phrampa_24, Phrampa_309, Racecar_28, Racecar_317, ReginaGlobina_24, ReginaGlobina_335, Rockabye_26, Rockabye_325, SJReid_28, SJReid_339, 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 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Atuin_23 (FC), Atuin_330 (FC), Chilliams_25 (FC), Chilliams_316 (FC), LeoJr_26 (FC), LeoJr_339 (FC), Mimi_29 (FC), Mimi_319 (FC), Phrampa_24 (FC), Phrampa_309 (FC), Racecar_28 (FC), Racecar_317 (FC), ReginaGlobina_24 (FC), ReginaGlobina_335 (FC), Rockabye_26 (FC), Rockabye_325 (FC), SJReid_28 (FC), SJReid_339 (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 4 times for cluster FC.

Gene Information:

Gene: Atuin_23 Start: 10912, Stop: 11193, Start Num: 4
Candidate Starts for Atuin_23:
(1, 10843), (2, 10861), (Start: 4 @10912 has 4 MA's), (7, 11032), (11, 11164),

Gene: Atuin_330 Start: 187800, Stop: 188081, Start Num: 4
Candidate Starts for Atuin_330:
(1, 187731), (2, 187749), (Start: 4 @187800 has 4 MA's), (7, 187920), (11, 188052),

Gene: Chilliams_316 Start: 184931, Stop: 185218, Start Num: 4
Candidate Starts for Chilliams_316:
(Start: 4 @184931 has 4 MA's), (6, 185045),

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

Gene: LeoJr_339 Start: 188518, Stop: 188799, Start Num: 4
Candidate Starts for LeoJr_339:
(3, 188482), (Start: 4 @188518 has 4 MA's), (7, 188638), (11, 188770),

Gene: LeoJr_26 Start: 11215, Stop: 11496, Start Num: 4
Candidate Starts for LeoJr_26:
(3, 11179), (Start: 4 @11215 has 4 MA's), (7, 11335), (11, 11467),

Gene: Mimi_29 Start: 12295, Stop: 12576, Start Num: 4
Candidate Starts for Mimi_29:
(Start: 4 @12295 has 4 MA's), (5, 12379), (10, 12520),

Gene: Mimi_319 Start: 184955, Stop: 185236, Start Num: 4
Candidate Starts for Mimi_319:
(Start: 4 @184955 has 4 MA's), (5, 185039), (10, 185180),

Gene: Phrampa_309 Start: 187070, Stop: 187363, Start Num: 4
Candidate Starts for Phrampa_309:
(Start: 4 @187070 has 4 MA's), (8, 187277), (9, 187301),

Gene: Phrampa_24 Start: 10699, Stop: 10992, Start Num: 4
Candidate Starts for Phrampa_24:
(Start: 4 @10699 has 4 MA's), (8, 10906), (9, 10930),

Gene: Racecar_28 Start: 12886, Stop: 13167, Start Num: 4
Candidate Starts for Racecar_28:
(Start: 4 @12886 has 4 MA's), (5, 12970), (10, 13111),

Gene: Racecar_317 Start: 186595, Stop: 186876, Start Num: 4
Candidate Starts for Racecar_317:
(Start: 4 @186595 has 4 MA's), (5, 186679), (10, 186820),

Gene: ReginaGlobina_24 Start: 11371, Stop: 11652, Start Num: 4
Candidate Starts for ReginaGlobina_24:
(Start: 4 @11371 has 4 MA's), (7, 11491), (11, 11623),

Gene: ReginaGlobina_335 Start: 188818, Stop: 189099, Start Num: 4
Candidate Starts for ReginaGlobina_335:
(Start: 4 @188818 has 4 MA's), (7, 188938), (11, 189070),

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

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

Gene: SJReid_28 Start: 12400, Stop: 12693, Start Num: 4
Candidate Starts for SJReid_28:
(Start: 4 @12400 has 4 MA's),

Gene: SJReid_339 Start: 185239, Stop: 185532, Start Num: 4
Candidate Starts for SJReid_339:
(Start: 4 @185239 has 4 MA's),

Gene: Talia1610_313 Start: 186780, Stop: 187061, Start Num: 4
Candidate Starts for Talia1610_313:
(Start: 4 @186780 has 4 MA's), (5, 186864), (10, 187005),

Gene: Talia1610_27 Start: 12308, Stop: 12589, Start Num: 4
Candidate Starts for Talia1610_27:
(Start: 4 @12308 has 4 MA's), (5, 12392), (10, 12533),