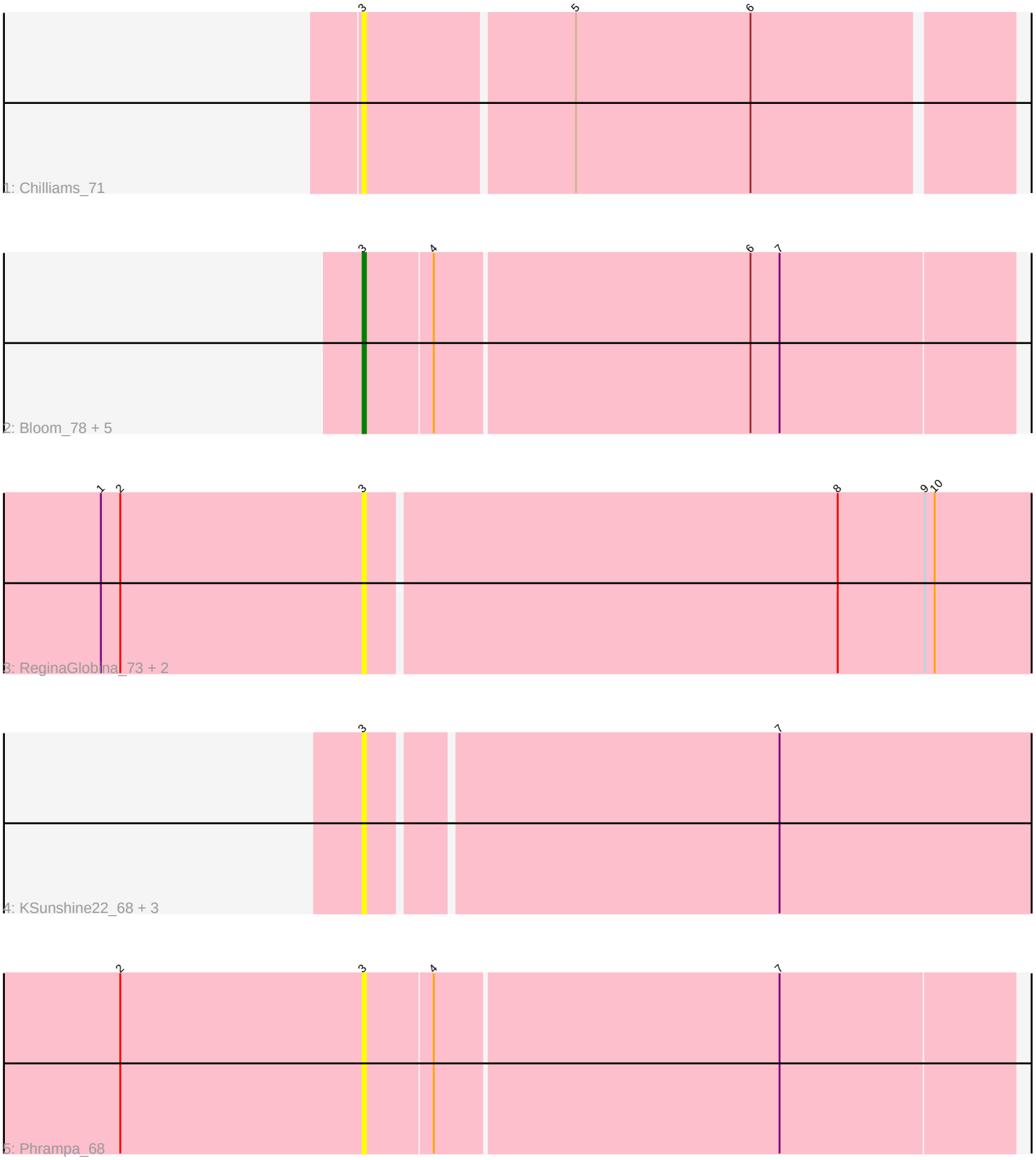
# Pham 198580


3
5
6
1: Chilliams_71
3
4
6
7
2: Bloom_78 + 5
1
2
3
8
9
10
3: ReginaGlobina_73 + 2
3
7
4: KSunshine22_68 + 3
2
3
4
7
5: Phrampa_68

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 198580 Report

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

Pham number 198580 has 15 members, 13 are drafts.

Phages represented in each track:
• Track 1 : Chilliams_71
• Track 2 : Bloom_78, Talia1610_74, GoldenEssence_63, Mimi_81, Racecar_75, Patbob_74
• Track 3 : ReginaGlobina_73, LeoJr_73, Atuin_71
• Track 4 : KSunshine22_68, Ellewin_65, WaddleDee_67, DunneganBoMo_67
• Track 5 : Phrampa_68

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

The start number called the most often in the published annotations is 3, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_71, Bloom_78, Chilliams_71, DunneganBoMo_67, Ellewin_65, GoldenEssence_63, KSunshine22_68, LeoJr_73, Mimi_81, Patbob_74, Phrampa_68, Racecar_75, ReginaGlobina_73, Talia1610_74, WaddleDee_67,

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 3:
• Found in 15 of 15 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 2 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_71 (FC), Bloom_78 (FC), Chilliams_71 (FC), DunneganBoMo_67 (FC), Ellewin_65 (FC), GoldenEssence_63 (FC), KSunshine22_68 (FC), LeoJr_73 (FC), Mimi_81 (FC), Patbob_74 (FC), Phrampa_68 (FC), Racecar_75 (FC), ReginaGlobina_73 (FC), Talia1610_74 (FC), WaddleDee_67 (FC),

**Summary by clusters:**

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 3 was manually annotated 2 times for cluster FC.

***Gene Information:***

Gene: Atuin_71 Start: 30534, Stop: 30746, Start Num: 3
Candidate Starts for Atuin_71:
(1, 30453), (2, 30459), (Start: 3 @30534 has 2 MA's), (8, 30678), (9, 30705), (10, 30708),

Gene: Bloom_78 Start: 33172, Stop: 33369, Start Num: 3
Candidate Starts for Bloom_78:
(Start: 3 @33172 has 2 MA's), (4, 33193), (6, 33289), (7, 33298),

Gene: Chilliams_71 Start: 33558, Stop: 33752, Start Num: 3
Candidate Starts for Chilliams_71:
(Start: 3 @33558 has 2 MA's), (5, 33621), (6, 33675),

Gene: DunneganBoMo_67 Start: 27307, Stop: 27516, Start Num: 3
Candidate Starts for DunneganBoMo_67:
(Start: 3 @27307 has 2 MA's), (7, 27430),

Gene: Ellewin_65 Start: 27034, Stop: 27243, Start Num: 3
Candidate Starts for Ellewin_65:
(Start: 3 @27034 has 2 MA's), (7, 27157),

Gene: GoldenEssence_63 Start: 26965, Stop: 27162, Start Num: 3
Candidate Starts for GoldenEssence_63:
(Start: 3 @26965 has 2 MA's), (4, 26986), (6, 27082), (7, 27091),

Gene: KSunshine22_68 Start: 28574, Stop: 28783, Start Num: 3
Candidate Starts for KSunshine22_68:
(Start: 3 @28574 has 2 MA's), (7, 28697),

Gene: LeoJr_73 Start: 30674, Stop: 30886, Start Num: 3
Candidate Starts for LeoJr_73:
(1, 30593), (2, 30599), (Start: 3 @30674 has 2 MA's), (8, 30818), (9, 30845), (10, 30848),

Gene: Mimi_81 Start: 32519, Stop: 32716, Start Num: 3
Candidate Starts for Mimi_81:
(Start: 3 @32519 has 2 MA's), (4, 32540), (6, 32636), (7, 32645),

Gene: Patbob_74 Start: 32812, Stop: 33009, Start Num: 3
Candidate Starts for Patbob_74:
(Start: 3 @32812 has 2 MA's), (4, 32833), (6, 32929), (7, 32938),

Gene: Phrampa_68 Start: 29838, Stop: 30035, Start Num: 3

Candidate Starts for Phrampa_68:
(2, 29763), (Start: 3 @29838 has 2 MA's), (4, 29859), (7, 29964),

Gene: Racecar_75 Start: 33172, Stop: 33369, Start Num: 3
Candidate Starts for Racecar_75:
(Start: 3 @33172 has 2 MA's), (4, 33193), (6, 33289), (7, 33298),

Gene: ReginaGlobina_73 Start: 31231, Stop: 31443, Start Num: 3
Candidate Starts for ReginaGlobina_73:
(1, 31150), (2, 31156), (Start: 3 @31231 has 2 MA's), (8, 31375), (9, 31402), (10, 31405),

Gene: Talia1610_74 Start: 32537, Stop: 32734, Start Num: 3
Candidate Starts for Talia1610_74:
(Start: 3 @32537 has 2 MA's), (4, 32558), (6, 32654), (7, 32663),

Gene: WaddleDee_67 Start: 27159, Stop: 27368, Start Num: 3
Candidate Starts for WaddleDee_67:
(Start: 3 @27159 has 2 MA's), (7, 27282),