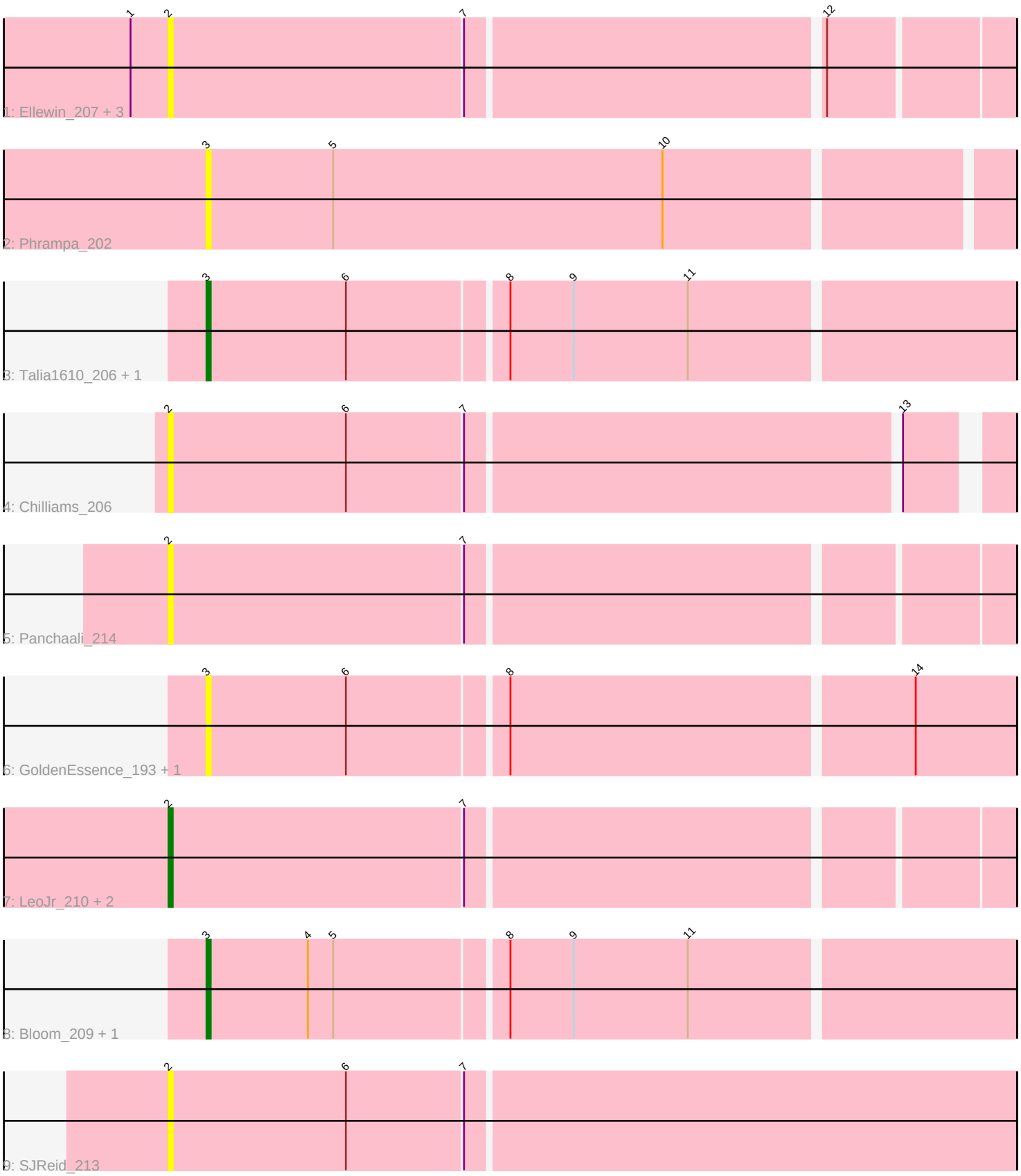
Pham 214719


1
2
7
12
1: Ellewin_207 + 3
3
5
10
2: Phrampa_202
3
6
8
9
11
3: Talia1610_206 + 1
2
6
7
13
4: Chilliams_206
2
7
5: Panchaali_214
3
6
8
14
6: GoldenEssence_193 + 1
2
7
7: LeoJr_210 + 2
3
4
5
8
9
11
8: Bloom_209 + 1
2
6
7
9: SJReid_213

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 214719 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214719 has 17 members, 13 are drafts.

Phages represented in each track:
• Track 1 : Ellewin_207, WaddleDee_208, DunneganBoMo_210, KSunshine22_206
• Track 2 : Phrampa_202
• Track 3 : Talia1610_206, Mimi_204
• Track 4 : Chilliams_206
• Track 5 : Panchaali_214
• Track 6 : GoldenEssence_193, Patbob_204
• Track 7 : LeoJr_210, Atuin_201, ReginaGlobina_213
• Track 8 : Bloom_209, Racecar_206
• Track 9 : SJReid_213

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

Genes that call this "Most Annotated" start:
• Bloom_209, GoldenEssence_193, Mimi_204, Patbob_204, Phrampa_202, Racecar_206, Talia1610_206,

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

Genes that do not have the "Most Annotated" start:
• Atuin_201, Chilliams_206, DunneganBoMo_210, Ellewin_207, KSunshine22_206, LeoJr_210, Panchaali_214, ReginaGlobina_213, SJReid_213, WaddleDee_208,

Summary by start number:

Start 2:
• Found in 10 of 17 (58.8%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_201 (FC), Chilliams_206 (FC), DunneganBoMo_210 (FC), Ellewin_207 (FC), KSunshine22_206 (FC), LeoJr_210

(FC), Panchaali_214 (FC), ReginaGlobina_213 (FC), SJReid_213 (FC), WaddleDee_208 (FC),

Start 3:
• Found in 7 of 17 (41.2%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_209 (FC), GoldenEssence_193 (FC), Mimi_204 (FC), Patbob_204 (FC), Phrampa_202 (FC), Racecar_206 (FC), Talia1610_206 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 2 was manually annotated 1 time for cluster FC.
•Start number 3 was manually annotated 3 times for cluster FC.

Gene Information:

Gene: Atuin_201 Start: 141205, Stop: 141396, Start Num: 2
Candidate Starts for Atuin_201:
(Start: 2 @141205 has 1 MA's), (7, 141274),

Gene: Bloom_209 Start: 142256, Stop: 142441, Start Num: 3
Candidate Starts for Bloom_209:
(Start: 3 @142256 has 3 MA's), (4, 142280), (5, 142286), (8, 142325), (9, 142340), (11, 142367),

Gene: Chilliams_206 Start: 139068, Stop: 139256, Start Num: 2
Candidate Starts for Chilliams_206:
(Start: 2 @139068 has 1 MA's), (6, 139110), (7, 139137), (13, 139236),

Gene: DunneganBoMo_210 Start: 147018, Stop: 147209, Start Num: 2
Candidate Starts for DunneganBoMo_210:
(1, 147009), (Start: 2 @147018 has 1 MA's), (7, 147087), (12, 147168),

Gene: Ellewin_207 Start: 146285, Stop: 146476, Start Num: 2
Candidate Starts for Ellewin_207:
(1, 146276), (Start: 2 @146285 has 1 MA's), (7, 146354), (12, 146435),

Gene: GoldenEssence_193 Start: 136223, Stop: 136408, Start Num: 3
Candidate Starts for GoldenEssence_193:
(Start: 3 @136223 has 3 MA's), (6, 136256), (8, 136292), (14, 136385),

Gene: KSunshine22_206 Start: 145696, Stop: 145887, Start Num: 2
Candidate Starts for KSunshine22_206:
(1, 145687), (Start: 2 @145696 has 1 MA's), (7, 145765), (12, 145846),

Gene: LeoJr_210 Start: 141376, Stop: 141567, Start Num: 2
Candidate Starts for LeoJr_210:

(Start: 2 @141376 has 1 MA's), (7, 141445),

Gene: Mimi_204 Start: 141632, Stop: 141817, Start Num: 3
Candidate Starts for Mimi_204:
(Start: 3 @141632 has 3 MA's), (6, 141665), (8, 141701), (9, 141716), (11, 141743),

Gene: Panchaali_214 Start: 147624, Stop: 147815, Start Num: 2
Candidate Starts for Panchaali_214:
(Start: 2 @147624 has 1 MA's), (7, 147693),

Gene: Patbob_204 Start: 142019, Stop: 142204, Start Num: 3
Candidate Starts for Patbob_204:
(Start: 3 @142019 has 3 MA's), (6, 142052), (8, 142088), (14, 142181),

Gene: Phrampa_202 Start: 142850, Stop: 143035, Start Num: 3
Candidate Starts for Phrampa_202:
(Start: 3 @142850 has 3 MA's), (5, 142880), (10, 142958),

Gene: Racecar_206 Start: 142012, Stop: 142197, Start Num: 3
Candidate Starts for Racecar_206:
(Start: 3 @142012 has 3 MA's), (4, 142036), (5, 142042), (8, 142081), (9, 142096), (11, 142123),

Gene: ReginaGlobina_213 Start: 142661, Stop: 142852, Start Num: 2
Candidate Starts for ReginaGlobina_213:
(Start: 2 @142661 has 1 MA's), (7, 142730),

Gene: SJReid_213 Start: 136599, Stop: 136796, Start Num: 2
Candidate Starts for SJReid_213:
(Start: 2 @136599 has 1 MA's), (6, 136641), (7, 136668),

Gene: Talia1610_206 Start: 142041, Stop: 142226, Start Num: 3
Candidate Starts for Talia1610_206:
(Start: 3 @142041 has 3 MA's), (6, 142074), (8, 142110), (9, 142125), (11, 142152),

Gene: WaddleDee_208 Start: 145479, Stop: 145670, Start Num: 2
Candidate Starts for WaddleDee_208:
(1, 145470), (Start: 2 @145479 has 1 MA's), (7, 145548), (12, 145629),