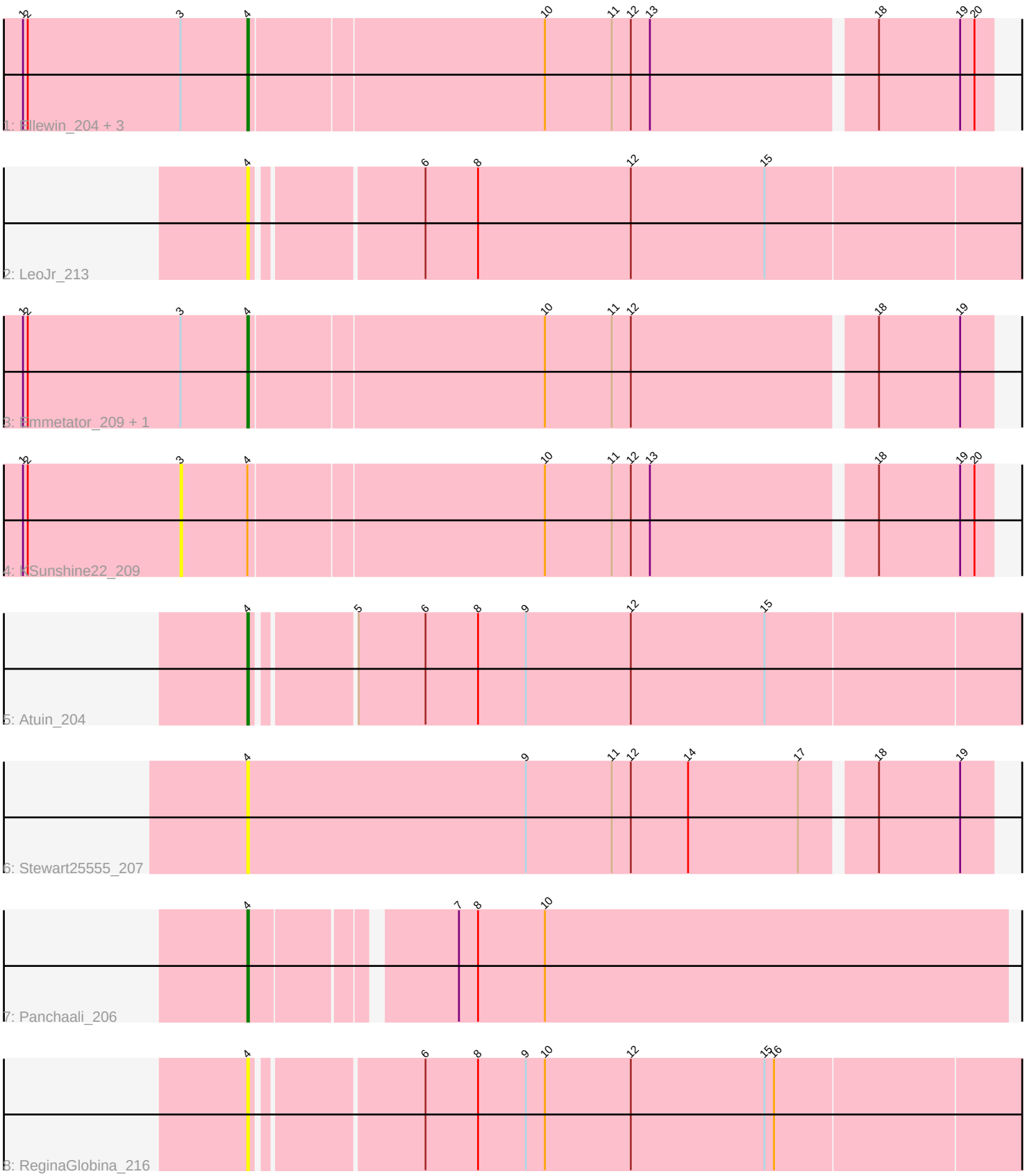
Pham 344401


1: Billewin_204 + 3
2: LeoJr_213
3: Emmetator_209 + 1
4: KSunshine22_209
5: Atuin_204
6: Stewart25555_207
7: Panchaali_206
8: ReginaGlobina_216

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 344401 Report

This analysis was run 11/14/26 on database version 672.

Pham number 344401 has 12 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Ellewin_204, BooTeria_204, DunneganBoMo_206, WaddleDee_201
• Track 2 : LeoJr_213
• Track 3 : Emmetator_209, Artu_206
• Track 4 : KSunshine22_209
• Track 5 : Atuin_204
• Track 6 : Stewart25555_207
• Track 7 : Panchaali_206
• Track 8 : ReginaGlobina_216

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_206, Atuin_204, BooTeria_204, DunneganBoMo_206, Ellewin_204, Emmetator_209, LeoJr_213, Panchaali_206, ReginaGlobina_216, Stewart25555_207, WaddleDee_201,

Genes that have the "Most Annotated" start but do not call it:
• KSunshine22_209,

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

Summary by start number:

Start 3:
• Found in 7 of 12 (58.3%) of genes in pham
• No Manual Annotations of this start.
• Called 14.3% of time when present
• Phage (with cluster) where this start called: KSunshine22_209 (FC),

Start 4:

• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 91.7% of time when present
• Phage (with cluster) where this start called: Artu_206 (FC), Atuin_204 (FC), BooTeria_204 (FC), DunneganBoMo_206 (FC), Ellewin_204 (FC), Emmetator_209 (FC), LeoJr_213 (FC), Panchaali_206 (FC), ReginaGlobina_216 (FC), Stewart25555_207 (FC), WaddleDee_201 (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 7 times for cluster FC.

Gene Information:

Gene: Artu_206 Start: 150040, Stop: 150492, Start Num: 4
Candidate Starts for Artu_206:
(1, 149899), (2, 149902), (3, 149998), (Start: 4 @150040 has 7 MA's), (10, 150220), (11, 150262), (12, 150274), (18, 150421), (19, 150472),

Gene: Atuin_204 Start: 143224, Stop: 143715, Start Num: 4
Candidate Starts for Atuin_204:
(Start: 4 @143224 has 7 MA's), (5, 143281), (6, 143323), (8, 143356), (9, 143386), (12, 143452), (15, 143536),

Gene: BooTeria_204 Start: 149550, Stop: 150002, Start Num: 4
Candidate Starts for BooTeria_204:
(1, 149409), (2, 149412), (3, 149508), (Start: 4 @149550 has 7 MA's), (10, 149730), (11, 149772), (12, 149784), (13, 149796), (18, 149931), (19, 149982), (20, 149991),

Gene: DunneganBoMo_206 Start: 149014, Stop: 149466, Start Num: 4
Candidate Starts for DunneganBoMo_206:
(1, 148873), (2, 148876), (3, 148972), (Start: 4 @149014 has 7 MA's), (10, 149194), (11, 149236), (12, 149248), (13, 149260), (18, 149395), (19, 149446), (20, 149455),

Gene: Ellewin_204 Start: 148281, Stop: 148733, Start Num: 4
Candidate Starts for Ellewin_204:
(1, 148140), (2, 148143), (3, 148239), (Start: 4 @148281 has 7 MA's), (10, 148461), (11, 148503), (12, 148515), (13, 148527), (18, 148662), (19, 148713), (20, 148722),

Gene: Emmetator_209 Start: 148410, Stop: 148862, Start Num: 4
Candidate Starts for Emmetator_209:
(1, 148269), (2, 148272), (3, 148368), (Start: 4 @148410 has 7 MA's), (10, 148590), (11, 148632), (12, 148644), (18, 148791), (19, 148842),

Gene: KSunshine22_209 Start: 147650, Stop: 148144, Start Num: 3
Candidate Starts for KSunshine22_209:
(1, 147551), (2, 147554), (3, 147650), (Start: 4 @147692 has 7 MA's), (10, 147872), (11, 147914), (12, 147926), (13, 147938), (18, 148073), (19, 148124), (20, 148133),

Gene: LeoJr_213 Start: 143395, Stop: 143886, Start Num: 4
Candidate Starts for LeoJr_213:
(Start: 4 @143395 has 7 MA's), (6, 143494), (8, 143527), (12, 143623), (15, 143707),

Gene: Panchaali_206 Start: 149616, Stop: 150074, Start Num: 4
Candidate Starts for Panchaali_206:
(Start: 4 @149616 has 7 MA's), (7, 149730), (8, 149742), (10, 149784),

Gene: ReginaGlobina_216 Start: 144680, Stop: 145171, Start Num: 4
Candidate Starts for ReginaGlobina_216:
(Start: 4 @144680 has 7 MA's), (6, 144779), (8, 144812), (9, 144842), (10, 144854), (12, 144908), (15, 144992), (16, 144998),

Gene: Stewart25555_207 Start: 146925, Stop: 147383, Start Num: 4
Candidate Starts for Stewart25555_207:
(Start: 4 @146925 has 7 MA's), (9, 147099), (11, 147153), (12, 147165), (14, 147201), (17, 147270), (18, 147312), (19, 147363),

Gene: WaddleDee_201 Start: 147475, Stop: 147927, Start Num: 4
Candidate Starts for WaddleDee_201:
(1, 147334), (2, 147337), (3, 147433), (Start: 4 @147475 has 7 MA's), (10, 147655), (11, 147697), (12, 147709), (13, 147721), (18, 147856), (19, 147907), (20, 147916),