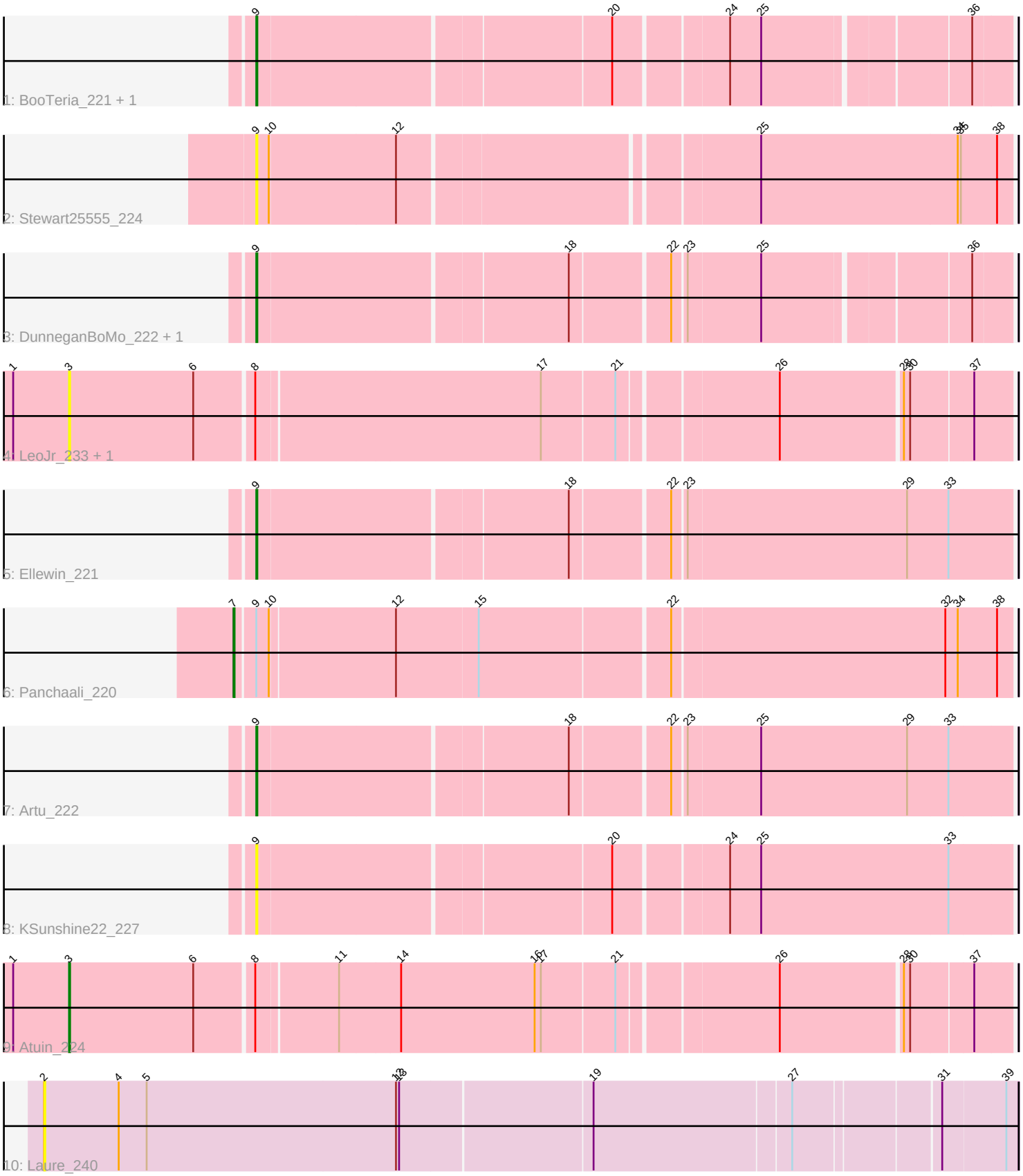
Pham 346248


1: BooTeria_221 + 1
2: Stewart25555_224
3: DunneganBoMo_222 + 1
4: LeoJr_233 + 1
5: Ellewin_221
6: Panchaali_220
7: Artu_222
8: KSunshine22_227
9: Atuin_224
10: Laure_240

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 346248 Report

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

Pham number 346248 has 13 members, 6 are drafts.

Phages represented in each track:
• Track 1 : BooTeria_221, Emmetator_224
• Track 2 : Stewart25555_224
• Track 3 : DunneganBoMo_222, WaddleDee_218
• Track 4 : LeoJr_233, ReginaGlobina_235
• Track 5 : Ellewin_221
• Track 6 : Panchaali_220
• Track 7 : Artu_222
• Track 8 : KSunshine22_227
• Track 9 : Atuin_224
• Track 10 : Laure_240

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

The start number called the most often in the published annotations is 9, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_222, BooTeria_221, DunneganBoMo_222, Ellewin_221, Emmetator_224, KSunshine22_227, Stewart25555_224, WaddleDee_218,

Genes that have the "Most Annotated" start but do not call it:
• Panchaali_220,

Genes that do not have the "Most Annotated" start:
• Atuin_224, Laure_240, LeoJr_233, ReginaGlobina_235,

Summary by start number:

Start 2:
• Found in 1 of 13 (7.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Laure_240 (UNK),

Start 3:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_224 (FC), LeoJr_233 (FC), ReginaGlobina_235 (FC),

Start 7:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Panchaali_220 (FC),

Start 9:
• Found in 9 of 13 (69.2%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Artu_222 (FC), BooTeria_221 (FC), DunneganBoMo_222 (FC), Ellewin_221 (FC), Emmetator_224 (FC), KSunshine22_227 (FC), Stewart25555_224 (FC), WaddleDee_218 (FC),

Summary by clusters:

There are 2 clusters represented in this pham: UNK, FC,

Info for manual annotations of cluster FC:
•Start number 3 was manually annotated 1 time for cluster FC.
•Start number 7 was manually annotated 1 time for cluster FC.
•Start number 9 was manually annotated 5 times for cluster FC.

Gene Information:

Gene: Artu_222 Start: 154951, Stop: 155649, Start Num: 9
Candidate Starts for Artu_222:
(Start: 9 @154951 has 5 MA's), (18, 155239), (22, 155329), (23, 155341), (25, 155410), (29, 155551), (33, 155590),

Gene: Atuin_224 Start: 151085, Stop: 151951, Start Num: 3
Candidate Starts for Atuin_224:
(1, 151031), (Start: 3 @151085 has 1 MA's), (6, 151205), (8, 151259), (11, 151334), (14, 151391), (16, 151520), (17, 151526), (21, 151595), (26, 151739), (28, 151853), (30, 151859), (37, 151916),

Gene: BooTeria_221 Start: 154653, Stop: 155333, Start Num: 9
Candidate Starts for BooTeria_221:
(Start: 9 @154653 has 5 MA's), (20, 154980), (24, 155082), (25, 155112), (36, 155298),

Gene: DunneganBoMo_222 Start: 153759, Stop: 154439, Start Num: 9
Candidate Starts for DunneganBoMo_222:
(Start: 9 @153759 has 5 MA's), (18, 154047), (22, 154137), (23, 154149), (25, 154218), (36, 154404),

Gene: Ellewin_221 Start: 153414, Stop: 154112, Start Num: 9
Candidate Starts for Ellewin_221:
(Start: 9 @153414 has 5 MA's), (18, 153702), (22, 153792), (23, 153804), (29, 154014), (33, 154053),

Gene: Emmetator_224 Start: 153295, Stop: 153975, Start Num: 9
Candidate Starts for Emmetator_224:
(Start: 9 @153295 has 5 MA's), (20, 153622), (24, 153724), (25, 153754), (36, 153940),

Gene: KSunshine22_227 Start: 152808, Stop: 153506, Start Num: 9
Candidate Starts for KSunshine22_227:
(Start: 9 @152808 has 5 MA's), (20, 153135), (24, 153237), (25, 153267), (33, 153447),

Gene: Laure_240 Start: 141746, Stop: 142657, Start Num: 2
Candidate Starts for Laure_240:
(2, 141746), (4, 141818), (5, 141845), (12, 142085), (13, 142088), (19, 142268), (27, 142454), (31, 142586), (39, 142646),

Gene: LeoJr_233 Start: 150970, Stop: 151836, Start Num: 3
Candidate Starts for LeoJr_233:
(1, 150916), (Start: 3 @150970 has 1 MA's), (6, 151090), (8, 151144), (17, 151411), (21, 151480), (26, 151624), (28, 151738), (30, 151744), (37, 151801),

Gene: Panchaali_220 Start: 153983, Stop: 154705, Start Num: 7
Candidate Starts for Panchaali_220:
(Start: 7 @153983 has 1 MA's), (Start: 9 @154001 has 5 MA's), (10, 154013), (12, 154130), (15, 154208), (22, 154385), (32, 154643), (34, 154655), (38, 154691),

Gene: ReginaGlobina_235 Start: 152256, Stop: 153122, Start Num: 3
Candidate Starts for ReginaGlobina_235:
(1, 152202), (Start: 3 @152256 has 1 MA's), (6, 152376), (8, 152430), (17, 152697), (21, 152766), (26, 152910), (28, 153024), (30, 153030), (37, 153087),

Gene: Stewart25555_224 Start: 151995, Stop: 152690, Start Num: 9
Candidate Starts for Stewart25555_224:
(Start: 9 @151995 has 5 MA's), (10, 152007), (12, 152127), (25, 152451), (34, 152640), (35, 152643), (38, 152676),

Gene: WaddleDee_218 Start: 152584, Stop: 153264, Start Num: 9
Candidate Starts for WaddleDee_218:
(Start: 9 @152584 has 5 MA's), (18, 152872), (22, 152962), (23, 152974), (25, 153043), (36, 153229),