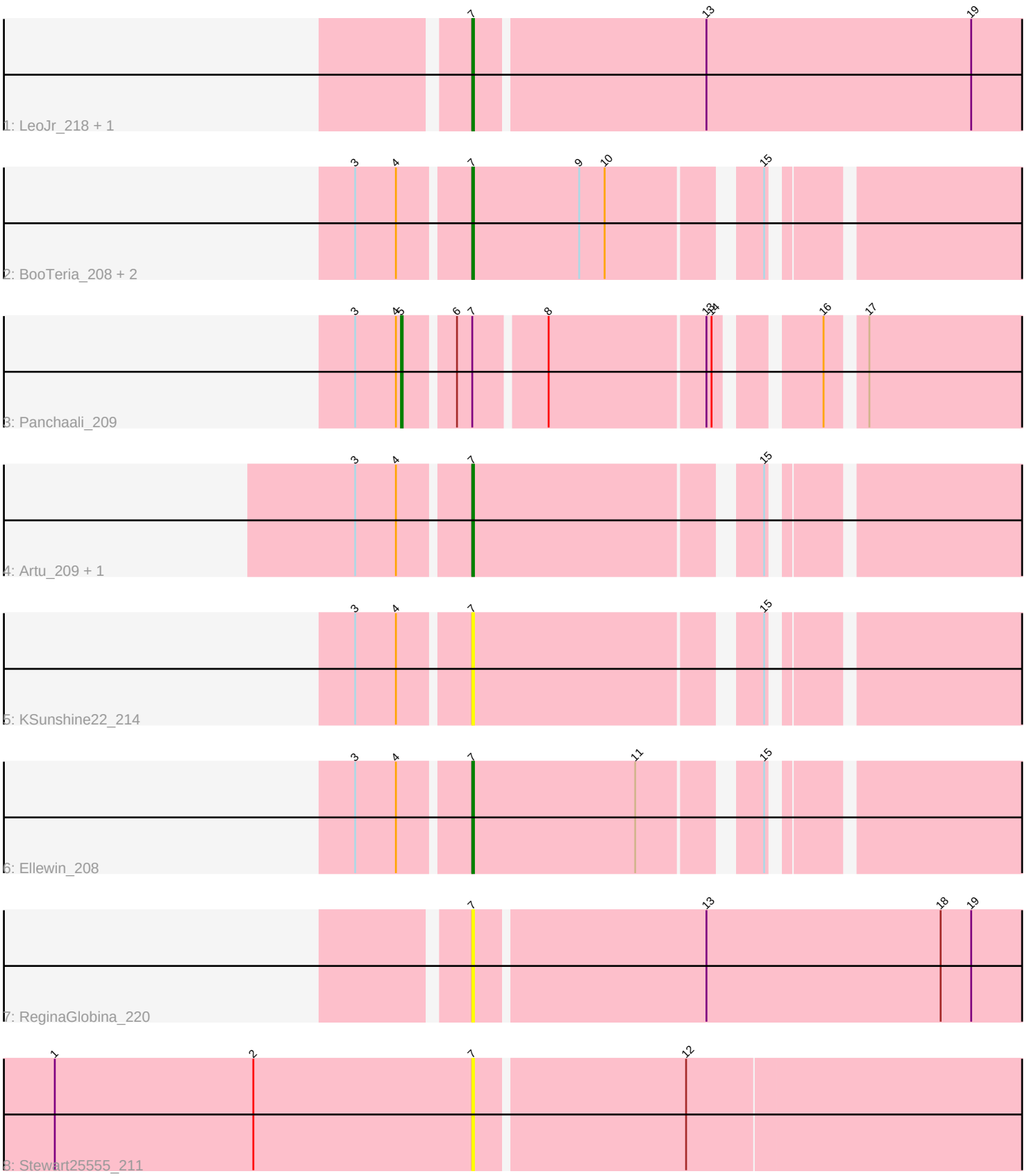
Pham 346334


7
13
19
1: LeoJr_218 + 1
3
4
7
9
10
15
2: BooTeria_208 + 2
3
4
5
6
7
8
13
14
16
17
3: Panchaali_209
3
4
7
15
4: Artu_209 + 1
3
4
7
15
5: KSunshine22_214
3
4
7
11
15
6: Ellewin_208
7
13
18
19
7: ReginaGlobina_220
1
2
7
12
8: Stewart25555_211

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 346334 Report

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

Pham number 346334 has 12 members, 5 are drafts.

Phages represented in each track:
• Track 1 : LeoJr_218, Atuin_208
• Track 2 : BooTeria_208, DunneganBoMo_210, WaddleDee_205
• Track 3 : Panchaali_209
• Track 4 : Artu_209, Emmetator_211
• Track 5 : KSunshine22_214
• Track 6 : Ellewin_208
• Track 7 : ReginaGlobina_220
• Track 8 : Stewart25555_211

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

The start number called the most often in the published annotations is 7, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_209, Atuin_208, BooTeria_208, DunneganBoMo_210, Ellewin_208, Emmetator_211, KSunshine22_214, LeoJr_218, ReginaGlobina_220, Stewart25555_211, WaddleDee_205,

Genes that have the "Most Annotated" start but do not call it:
• Panchaali_209,

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

Summary by start number:

Start 5:
• Found in 1 of 12 (8.3%) 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_209 (FC),

Start 7:

• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 91.7% of time when present
• Phage (with cluster) where this start called: Artu_209 (FC), Atuin_208 (FC), BooTeria_208 (FC), DunneganBoMo_210 (FC), Ellewin_208 (FC), Emmetator_211 (FC), KSunshine22_214 (FC), LeoJr_218 (FC), ReginaGlobina_220 (FC), Stewart25555_211 (FC), WaddleDee_205 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 5 was manually annotated 1 time for cluster FC.
•Start number 7 was manually annotated 6 times for cluster FC.

Gene Information:

Gene: Artu_209 Start: 150824, Stop: 151135, Start Num: 7
Candidate Starts for Artu_209:
(3, 150761), (4, 150785), (Start: 7 @150824 has 6 MA's), (15, 150980),

Gene: Atuin_208 Start: 144274, Stop: 144612, Start Num: 7
Candidate Starts for Atuin_208:
(Start: 7 @144274 has 6 MA's), (13, 144406), (19, 144562),

Gene: BooTeria_208 Start: 150564, Stop: 150875, Start Num: 7
Candidate Starts for BooTeria_208:
(3, 150501), (4, 150525), (Start: 7 @150564 has 6 MA's), (9, 150627), (10, 150642), (15, 150720),

Gene: DunneganBoMo_210 Start: 150028, Stop: 150339, Start Num: 7
Candidate Starts for DunneganBoMo_210:
(3, 149965), (4, 149989), (Start: 7 @150028 has 6 MA's), (9, 150091), (10, 150106), (15, 150184),

Gene: Ellewin_208 Start: 149301, Stop: 149612, Start Num: 7
Candidate Starts for Ellewin_208:
(3, 149238), (4, 149262), (Start: 7 @149301 has 6 MA's), (11, 149397), (15, 149457),

Gene: Emmetator_211 Start: 149194, Stop: 149505, Start Num: 7
Candidate Starts for Emmetator_211:
(3, 149131), (4, 149155), (Start: 7 @149194 has 6 MA's), (15, 149350),

Gene: KSunshine22_214 Start: 148712, Stop: 149023, Start Num: 7
Candidate Starts for KSunshine22_214:
(3, 148649), (4, 148673), (Start: 7 @148712 has 6 MA's), (15, 148868),

Gene: LeoJr_218 Start: 144446, Stop: 144784, Start Num: 7
Candidate Starts for LeoJr_218:
(Start: 7 @144446 has 6 MA's), (13, 144578), (19, 144734),

Gene: Panchaali_209 Start: 150598, Stop: 150942, Start Num: 5

Candidate Starts for Panchaali_209:
(3, 150571), (4, 150595), (Start: 5 @150598 has 1 MA's), (6, 150625), (Start: 7 @150634 has 6 MA's), (8, 150673), (13, 150763), (14, 150766), (16, 150814), (17, 150832),

Gene: ReginaGlobina_220 Start: 145730, Stop: 146068, Start Num: 7
Candidate Starts for ReginaGlobina_220:
(Start: 7 @145730 has 6 MA's), (13, 145862), (18, 146000), (19, 146018),

Gene: Stewart25555_211 Start: 147973, Stop: 148308, Start Num: 7
Candidate Starts for Stewart25555_211:
(1, 147727), (2, 147844), (Start: 7 @147973 has 6 MA's), (12, 148093),

Gene: WaddleDee_205 Start: 148489, Stop: 148800, Start Num: 7
Candidate Starts for WaddleDee_205:
(3, 148426), (4, 148450), (Start: 7 @148489 has 6 MA's), (9, 148552), (10, 148567), (15, 148645),