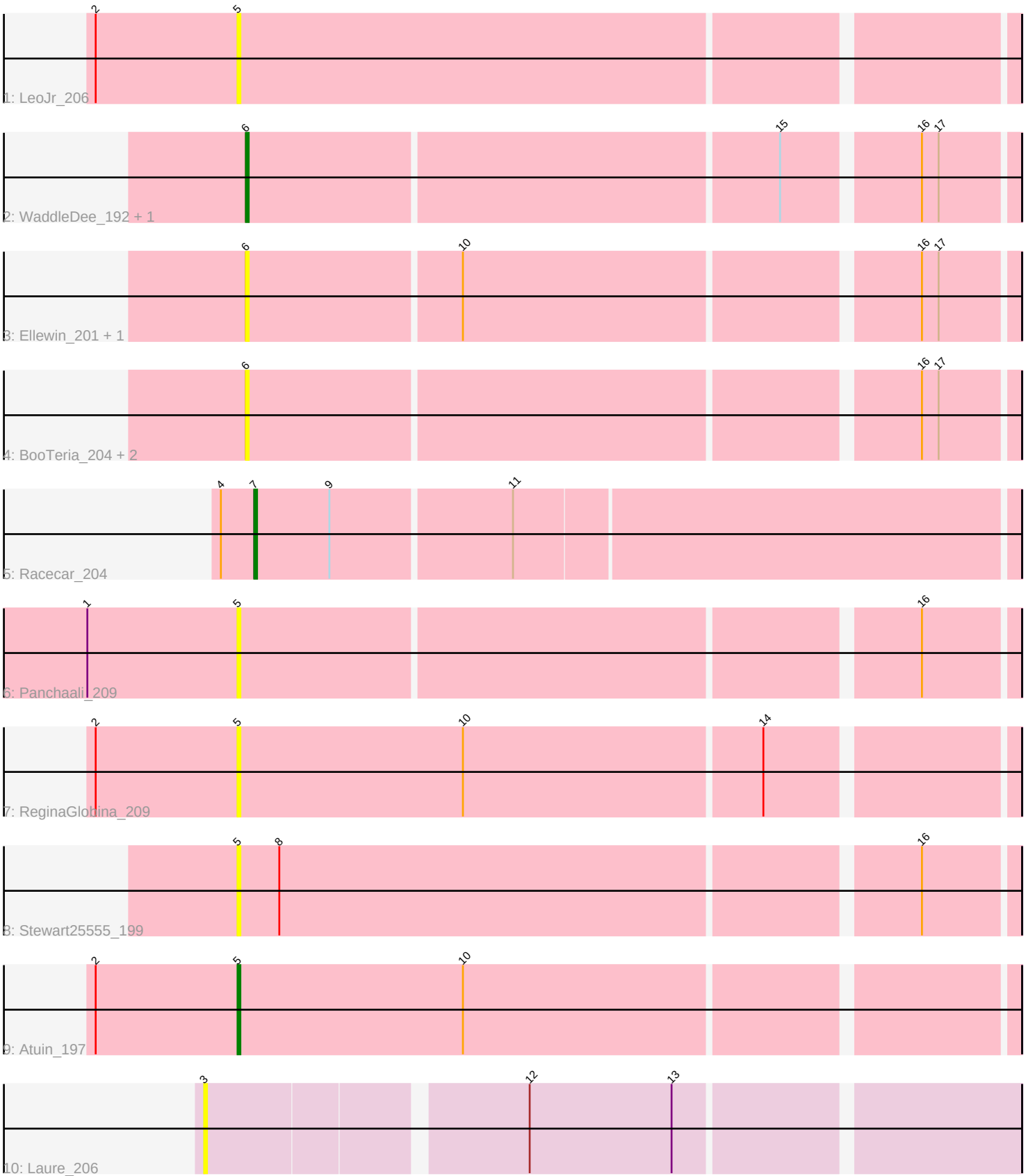
Pham 281021


2
5
1: LeoJr_206
6
15
16
17
2: WaddleDee_192 + 1
6
10
16
17
3: Ellewin_201 + 1
6
16
17
4: BooTeria_204 + 2
4
7
9
11
5: Racecar_204
1
5
16
6: Panchaali_209
2
5
10
14
7: ReginaGlobina_209
5
8
16
8: Stewart25555_199
2
5
10
9: Atuin_197
3
12
13
10: Laure_206

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 281021 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281021 has 14 members, 10 are drafts.

Phages represented in each track:
• Track 1 : LeoJr_206
• Track 2 : WaddleDee_192, DunneganBoMo_196
• Track 3 : Ellewin_201, KSunshine22_200
• Track 4 : BooTeria_204, Emmetator_199, Artu_198
• Track 5 : Racecar_204
• Track 6 : Panchaali_209
• Track 7 : ReginaGlobina_209
• Track 8 : Stewart25555_199
• Track 9 : Atuin_197
• Track 10 : Laure_206

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

The start number called the most often in the published annotations is 6, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Artu_198, BooTeria_204, DunneganBoMo_196, Ellewin_201, Emmetator_199, KSunshine22_200, WaddleDee_192,

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

Genes that do not have the "Most Annotated" start:
• Atuin_197, Laure_206, LeoJr_206, Panchaali_209, Racecar_204, ReginaGlobina_209, Stewart25555_199,

Summary by start number:

Start 3:
• Found in 1 of 14 (7.1%) 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_206 (UNK),

Start 5:
• Found in 5 of 14 (35.7%) 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_197 (FC), LeoJr_206 (FC), Panchaali_209 (FC), ReginaGlobina_209 (FC), Stewart25555_199 (FC),

Start 6:
• Found in 7 of 14 (50.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_198 (FC), BooTeria_204 (FC), DunneganBoMo_196 (FC), Ellewin_201 (FC), Emmetator_199 (FC), KSunshine22_200 (FC), WaddleDee_192 (FC),

Start 7:
• Found in 1 of 14 (7.1%) 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: Racecar_204 (FC),

Summary by clusters:

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

Info for manual annotations of cluster FC:
•Start number 5 was manually annotated 1 time for cluster FC.
•Start number 6 was manually annotated 2 times for cluster FC.
•Start number 7 was manually annotated 1 time for cluster FC.

Gene Information:

Gene: Artu_198 Start: 145725, Stop: 145988, Start Num: 6
Candidate Starts for Artu_198:
(Start: 6 @145725 has 2 MA's), (16, 145956), (17, 145962),

Gene: Atuin_197 Start: 139593, Stop: 139862, Start Num: 5
Candidate Starts for Atuin_197:
(2, 139542), (Start: 5 @139593 has 1 MA's), (10, 139674),

Gene: BooTeria_204 Start: 145232, Stop: 145495, Start Num: 6
Candidate Starts for BooTeria_204:
(Start: 6 @145232 has 2 MA's), (16, 145463), (17, 145469),

Gene: DunneganBoMo_196 Start: 144696, Stop: 144959, Start Num: 6
Candidate Starts for DunneganBoMo_196:
(Start: 6 @144696 has 2 MA's), (15, 144882), (16, 144927), (17, 144933),

Gene: Ellewin_201 Start: 143962, Stop: 144225, Start Num: 6

Candidate Starts for Ellewin_201:
(Start: 6 @143962 has 2 MA's), (10, 144037), (16, 144193), (17, 144199),

Gene: Emmetator_199 Start: 144095, Stop: 144358, Start Num: 6
Candidate Starts for Emmetator_199:
(Start: 6 @144095 has 2 MA's), (16, 144326), (17, 144332),

Gene: KSunshine22_200 Start: 143373, Stop: 143636, Start Num: 6
Candidate Starts for KSunshine22_200:
(Start: 6 @143373 has 2 MA's), (10, 143448), (16, 143604), (17, 143610),

Gene: Laure_206 Start: 129859, Stop: 130134, Start Num: 3
Candidate Starts for Laure_206:
(3, 129859), (12, 129967), (13, 130018),

Gene: LeoJr_206 Start: 139767, Stop: 140036, Start Num: 5
Candidate Starts for LeoJr_206:
(2, 139716), (Start: 5 @139767 has 1 MA's),

Gene: Panchaali_209 Start: 145460, Stop: 145726, Start Num: 5
Candidate Starts for Panchaali_209:
(1, 145406), (Start: 5 @145460 has 1 MA's), (16, 145694),

Gene: Racecar_204 Start: 141268, Stop: 141534, Start Num: 7
Candidate Starts for Racecar_204:
(4, 141256), (Start: 7 @141268 has 1 MA's), (9, 141295), (11, 141358),

Gene: ReginaGlobina_209 Start: 141050, Stop: 141319, Start Num: 5
Candidate Starts for ReginaGlobina_209:
(2, 140999), (Start: 5 @141050 has 1 MA's), (10, 141131), (14, 141236),

Gene: Stewart25555_199 Start: 142742, Stop: 143011, Start Num: 5
Candidate Starts for Stewart25555_199:
(Start: 5 @142742 has 1 MA's), (8, 142757), (16, 142979),

Gene: WaddleDee_192 Start: 143157, Stop: 143420, Start Num: 6
Candidate Starts for WaddleDee_192:
(Start: 6 @143157 has 2 MA's), (15, 143343), (16, 143388), (17, 143394),