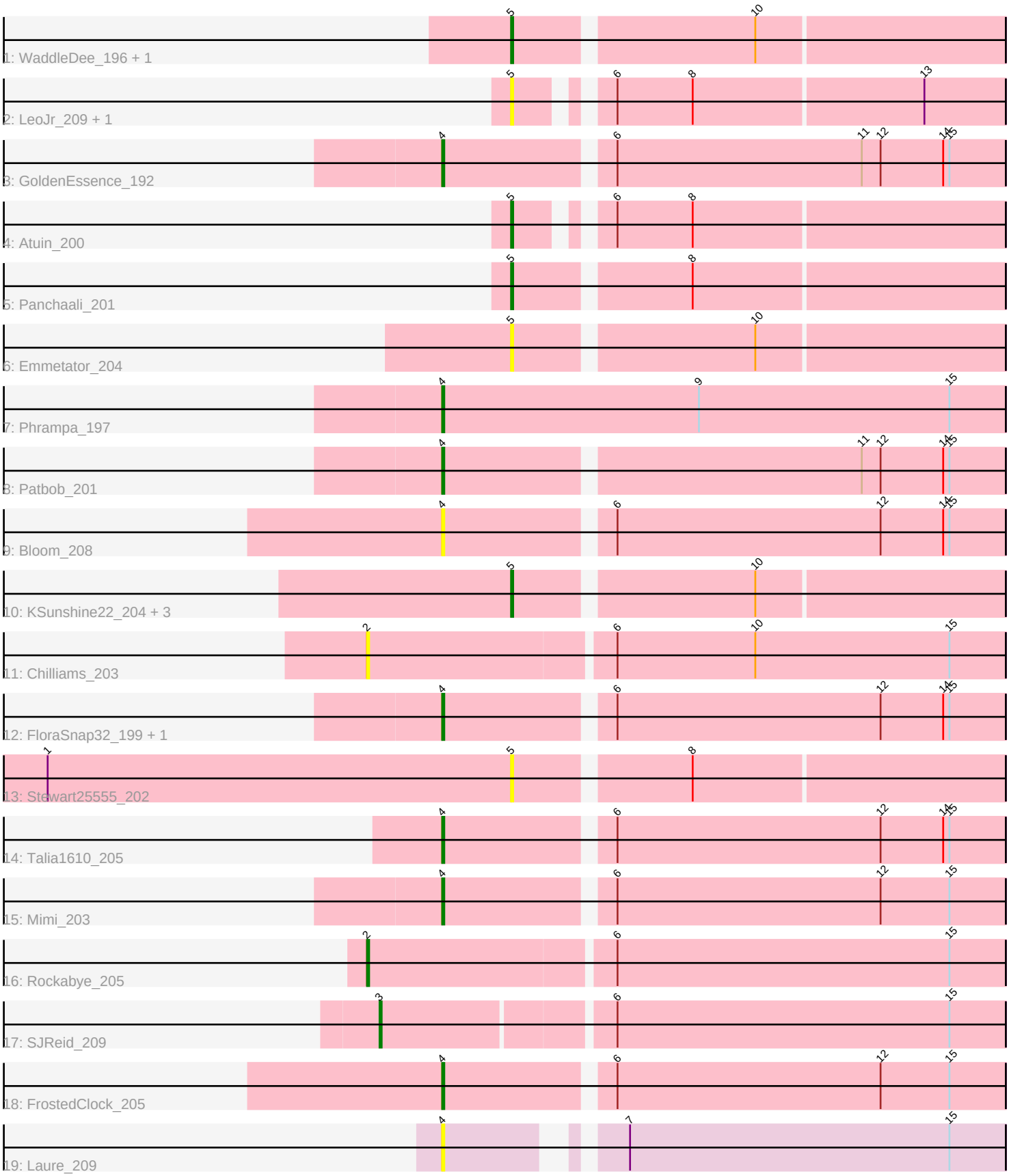
# Pham 346087


1: WaddleDee_196 + 1
2: LeoJr_209 + 1
3: GoldenEssence_192
4: Atuin_200
5: Panchaali_201
6: Emmetator_204
7: Phrampa_197
8: Patbob_201
9: Bloom_208
10: KSunshine22_204 + 3
11: Chilliams_203
12: FloraSnap32_199 + 1
13: Stewart25555_202
14: Talia1610_205
15: Mimi_203
16: Rockabye_205
17: SJReid_209
18: FrostedClock_205
19: Laure_209

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 346087 Report

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

Pham number 346087 has 25 members, 8 are drafts.

Phages represented in each track:
• Track 1 : WaddleDee_196, DunneganBoMo_201
• Track 2 : LeoJr_209, ReginaGlobina_212
• Track 3 : GoldenEssence_192
• Track 4 : Atuin_200
• Track 5 : Panchaali_201
• Track 6 : Emmetator_204
• Track 7 : Phrampa_197
• Track 8 : Patbob_201
• Track 9 : Bloom_208
• Track 10 : KSunshine22_204, BooTeria_199, Ellewin_199, Artu_201
• Track 11 : Chilliams_203
• Track 12 : FloraSnap32_199, Racecar_205
• Track 13 : Stewart25555_202
• Track 14 : Talia1610_205
• Track 15 : Mimi_203
• Track 16 : Rockabye_205
• Track 17 : SJReid_209
• Track 18 : FrostedClock_205
• Track 19 : Laure_209

***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 8 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bloom_208, FloraSnap32_199, FrostedClock_205, GoldenEssence_192, Laure_209, Mimi_203, Patbob_201, Phrampa_197, Racecar_205, Talia1610_205,

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

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

• Artu_201, Atuin_200, BooTeria_199, Chilliams_203, DunneganBoMo_201, Ellewin_199, Emmetator_204, KSunshine22_204, LeoJr_209, Panchaali_201, ReginaGlobina_212, Rockabye_205, SJReid_209, Stewart25555_202, WaddleDee_196,

**Summary by start number:**

Start 2:
• Found in 2 of 25 ( 8.0% ) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chilliams_203 (FC), Rockabye_205 (FC),

Start 3:
• Found in 1 of 25 ( 4.0% ) of genes in pham
• Manual Annotations of this start: 1 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SJReid_209 (FC),

Start 4:
• Found in 10 of 25 ( 40.0% ) of genes in pham
• Manual Annotations of this start: 8 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bloom_208 (FC), FloraSnap32_199 (FC), FrostedClock_205 (FC), GoldenEssence_192 (FC), Laure_209 (UNK), Mimi_203 (FC), Patbob_201 (FC), Phrampa_197 (FC), Racecar_205 (FC), Talia1610_205 (FC),

Start 5:
• Found in 12 of 25 ( 48.0% ) of genes in pham
• Manual Annotations of this start: 7 of 17
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Artu_201 (FC), Atuin_200 (FC), BooTeria_199 (FC), DunneganBoMo_201 (FC), Ellewin_199 (FC), Emmetator_204 (FC), KSunshine22_204 (FC), LeoJr_209 (FC), Panchaali_201 (FC), ReginaGlobina_212 (FC), Stewart25555_202 (FC), WaddleDee_196 (FC),

**Summary by clusters:**

There are 2 clusters represented in this pham: UNK, 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 1 time for cluster FC.
•Start number 4 was manually annotated 8 times for cluster FC.
•Start number 5 was manually annotated 7 times for cluster FC.

***Gene Information:***

Gene: Artu_201 Start: 147288, Stop: 147512, Start Num: 5
Candidate Starts for Artu_201:
(Start: 5 @147288 has 7 MA's), (10, 147396),

Gene: Atuin_200 Start: 140989, Stop: 141204, Start Num: 5
Candidate Starts for Atuin_200:
(Start: 5 @140989 has 7 MA's), (6, 141022), (8, 141058),

Gene: Bloom_208 Start: 141986, Stop: 142246, Start Num: 4
Candidate Starts for Bloom_208:
(Start: 4 @141986 has 8 MA's), (6, 142061), (12, 142187), (14, 142217), (15, 142220),

Gene: BooTeria_199 Start: 146798, Stop: 147022, Start Num: 5
Candidate Starts for BooTeria_199:
(Start: 5 @146798 has 7 MA's), (10, 146906),

Gene: Chilliams_203 Start: 137809, Stop: 138108, Start Num: 2
Candidate Starts for Chilliams_203:
(Start: 2 @137809 has 1 MA's), (6, 137923), (10, 137989), (15, 138082),

Gene: DunneganBoMo_201 Start: 146262, Stop: 146486, Start Num: 5
Candidate Starts for DunneganBoMo_201:
(Start: 5 @146262 has 7 MA's), (10, 146370),

Gene: Ellewin_199 Start: 145529, Stop: 145753, Start Num: 5
Candidate Starts for Ellewin_199:
(Start: 5 @145529 has 7 MA's), (10, 145637),

Gene: Emmetator_204 Start: 145658, Stop: 145882, Start Num: 5
Candidate Starts for Emmetator_204:
(Start: 5 @145658 has 7 MA's), (10, 145766),

Gene: FloraSnap32_199 Start: 140579, Stop: 140839, Start Num: 4
Candidate Starts for FloraSnap32_199:
(Start: 4 @140579 has 8 MA's), (6, 140654), (12, 140780), (14, 140810), (15, 140813),

Gene: FrostedClock_205 Start: 141907, Stop: 142167, Start Num: 4
Candidate Starts for FrostedClock_205:
(Start: 4 @141907 has 8 MA's), (6, 141982), (12, 142108), (15, 142141),

Gene: GoldenEssence_192 Start: 135953, Stop: 136213, Start Num: 4
Candidate Starts for GoldenEssence_192:
(Start: 4 @135953 has 8 MA's), (6, 136028), (11, 136145), (12, 136154), (14, 136184), (15, 136187),

Gene: KSunshine22_204 Start: 144940, Stop: 145164, Start Num: 5
Candidate Starts for KSunshine22_204:
(Start: 5 @144940 has 7 MA's), (10, 145048),

Gene: Laure_209 Start: 130943, Stop: 131188, Start Num: 4
Candidate Starts for Laure_209:
(Start: 4 @130943 has 8 MA's), (7, 131009), (15, 131162),

Gene: LeoJr_209 Start: 141160, Stop: 141375, Start Num: 5

Candidate Starts for LeoJr_209:
(Start: 5 @141160 has 7 MA's), (6, 141193), (8, 141229), (13, 141337),

Gene: Mimi_203 Start: 141362, Stop: 141622, Start Num: 4
Candidate Starts for Mimi_203:
(Start: 4 @141362 has 8 MA's), (6, 141437), (12, 141563), (15, 141596),

Gene: Panchaali_201 Start: 146866, Stop: 147090, Start Num: 5
Candidate Starts for Panchaali_201:
(Start: 5 @146866 has 7 MA's), (8, 146944),

Gene: Patbob_201 Start: 141749, Stop: 142009, Start Num: 4
Candidate Starts for Patbob_201:
(Start: 4 @141749 has 8 MA's), (11, 141941), (12, 141950), (14, 141980), (15, 141983),

Gene: Phrampa_197 Start: 141421, Stop: 141690, Start Num: 4
Candidate Starts for Phrampa_197:
(Start: 4 @141421 has 8 MA's), (9, 141544), (15, 141664),

Gene: Racecar_205 Start: 141742, Stop: 142002, Start Num: 4
Candidate Starts for Racecar_205:
(Start: 4 @141742 has 8 MA's), (6, 141817), (12, 141943), (14, 141973), (15, 141976),

Gene: ReginaGlobina_212 Start: 142445, Stop: 142660, Start Num: 5
Candidate Starts for ReginaGlobina_212:
(Start: 5 @142445 has 7 MA's), (6, 142478), (8, 142514), (13, 142622),

Gene: Rockabye_205 Start: 136248, Stop: 136547, Start Num: 2
Candidate Starts for Rockabye_205:
(Start: 2 @136248 has 1 MA's), (6, 136362), (15, 136521),

Gene: SJReid_209 Start: 135153, Stop: 135443, Start Num: 3
Candidate Starts for SJReid_209:
(Start: 3 @135153 has 1 MA's), (6, 135258), (15, 135417),

Gene: Stewart25555_202 Start: 144174, Stop: 144398, Start Num: 5
Candidate Starts for Stewart25555_202:
(1, 143952), (Start: 5 @144174 has 7 MA's), (8, 144252),

Gene: Talia1610_205 Start: 141771, Stop: 142031, Start Num: 4
Candidate Starts for Talia1610_205:
(Start: 4 @141771 has 8 MA's), (6, 141846), (12, 141972), (14, 142002), (15, 142005),

Gene: WaddleDee_196 Start: 144723, Stop: 144947, Start Num: 5
Candidate Starts for WaddleDee_196:
(Start: 5 @144723 has 7 MA's), (10, 144831),