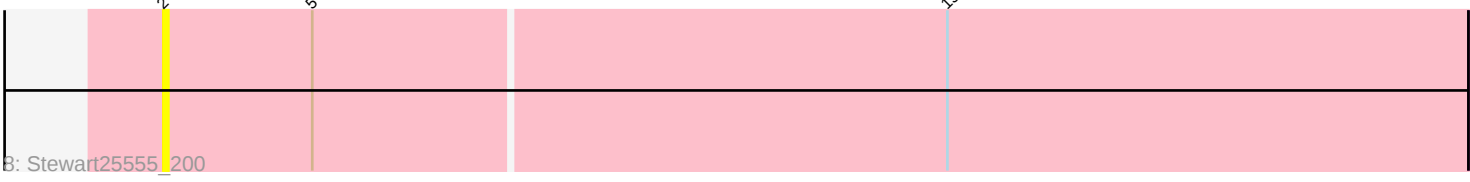
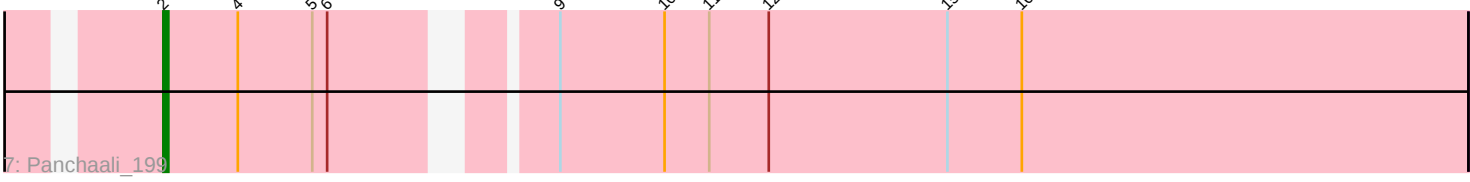
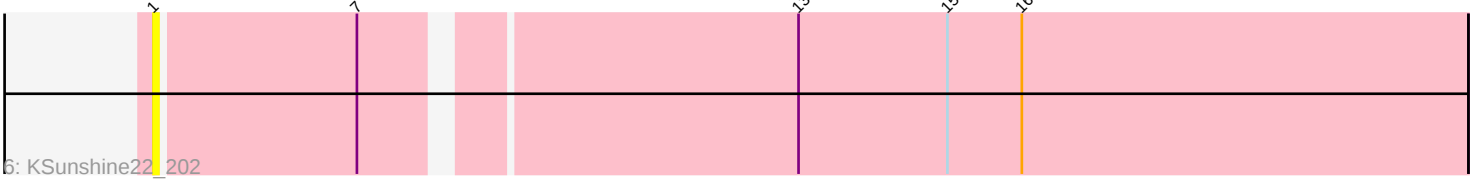
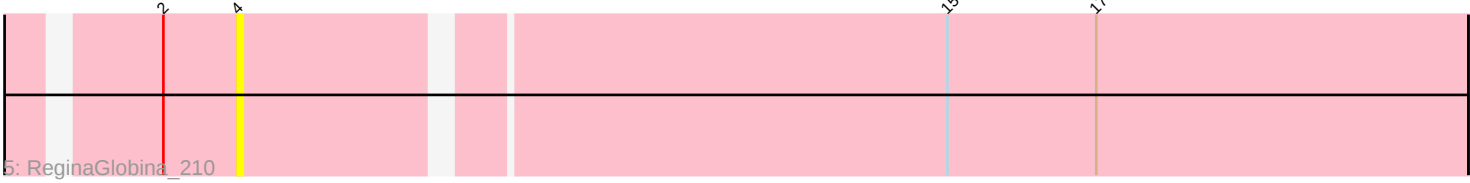
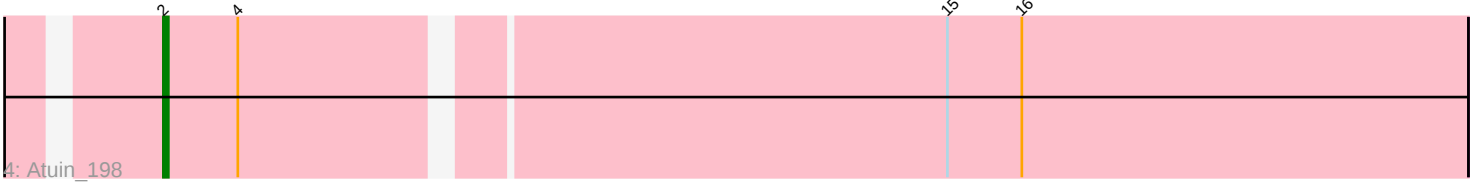
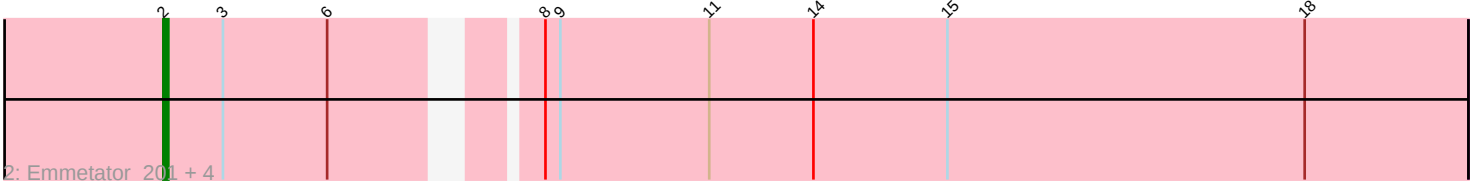
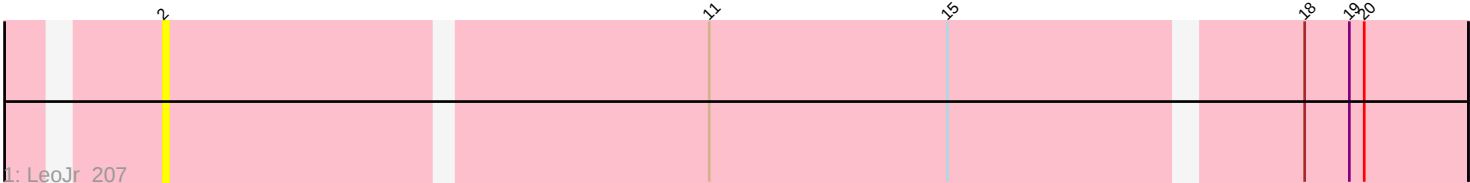


Pham 309672



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 309672 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309672 has 12 members, 6 are drafts.

Phages represented in each track:

- Track 1 : LeoJr_207
- Track 2 : Emmetator_201, BooTeria_196, WaddleDee_194, DunneganBoMo_198, Artu_200
- Track 3 : Ellewin_197
- Track 4 : Atuin_198
- Track 5 : ReginaGlobina_210
- Track 6 : KSunshine22_202
- Track 7 : Panchaali_199
- Track 8 : Stewart25555_200

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

The start number called the most often in the published annotations is 2, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Artu_200, Atuin_198, BooTeria_196, DunneganBoMo_198, Emmetator_201, LeoJr_207, Panchaali_199, Stewart25555_200, WaddleDee_194,

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

- ReginaGlobina_210,

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

- Ellewin_197, KSunshine22_202,

Summary by start number:

Start 1:

- Found in 2 of 12 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ellewin_197 (FC), KSunshine22_202 (FC),

Start 2:

- Found in 10 of 12 (83.3%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 90.0% of time when present
- Phage (with cluster) where this start called: Artu_200 (FC), Atuin_198 (FC), BooTeria_196 (FC), DunneganBoMo_198 (FC), Emmetator_201 (FC), LeoJr_207 (FC), Panchaali_199 (FC), Stewart25555_200 (FC), WaddleDee_194 (FC),

Start 4:

- Found in 3 of 12 (25.0%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: ReginaGlobina_210 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

- Start number 1 was manually annotated 1 time for cluster FC.
- Start number 2 was manually annotated 5 times for cluster FC.

Gene Information:

Gene: Artu_200 Start: 146149, Stop: 146400, Start Num: 2

Candidate Starts for Artu_200:

(Start: 2 @146149 has 5 MA's), (3, 146161), (6, 146182), (8, 146215), (9, 146218), (11, 146248), (14, 146269), (15, 146296), (18, 146368),

Gene: Atuin_198 Start: 139859, Stop: 140113, Start Num: 2

Candidate Starts for Atuin_198:

(Start: 2 @139859 has 5 MA's), (4, 139874), (15, 140009), (16, 140024),

Gene: BooTeria_196 Start: 145656, Stop: 145907, Start Num: 2

Candidate Starts for BooTeria_196:

(Start: 2 @145656 has 5 MA's), (3, 145668), (6, 145689), (8, 145722), (9, 145725), (11, 145755), (14, 145776), (15, 145803), (18, 145875),

Gene: DunneganBoMo_198 Start: 145120, Stop: 145371, Start Num: 2

Candidate Starts for DunneganBoMo_198:

(Start: 2 @145120 has 5 MA's), (3, 145132), (6, 145153), (8, 145186), (9, 145189), (11, 145219), (14, 145240), (15, 145267), (18, 145339),

Gene: Ellewin_197 Start: 144386, Stop: 144640, Start Num: 1

Candidate Starts for Ellewin_197:

(Start: 1 @144386 has 1 MA's), (13, 144506), (15, 144536), (16, 144551),

Gene: Emmetator_201 Start: 144519, Stop: 144770, Start Num: 2

Candidate Starts for Emmetator_201:

(Start: 2 @144519 has 5 MA's), (3, 144531), (6, 144552), (8, 144585), (9, 144588), (11, 144618), (14, 144639), (15, 144666), (18, 144738),

Gene: KSunshine22_202 Start: 143797, Stop: 144051, Start Num: 1

Candidate Starts for KSunshine22_202:

(Start: 1 @143797 has 1 MA's), (7, 143836), (13, 143917), (15, 143947), (16, 143962),

Gene: LeoJr_207 Start: 140033, Stop: 140284, Start Num: 2

Candidate Starts for LeoJr_207:

(Start: 2 @140033 has 5 MA's), (11, 140138), (15, 140186), (18, 140252), (19, 140261), (20, 140264),

Gene: Panchaali_199 Start: 145723, Stop: 145974, Start Num: 2

Candidate Starts for Panchaali_199:

(Start: 2 @145723 has 5 MA's), (4, 145738), (5, 145753), (6, 145756), (9, 145792), (10, 145813), (11, 145822), (12, 145834), (15, 145870), (16, 145885),

Gene: ReginaGlobina_210 Start: 141331, Stop: 141570, Start Num: 4

Candidate Starts for ReginaGlobina_210:

(Start: 2 @141316 has 5 MA's), (4, 141331), (15, 141466), (17, 141496),

Gene: Stewart25555_200 Start: 143008, Stop: 143268, Start Num: 2

Candidate Starts for Stewart25555_200:

(Start: 2 @143008 has 5 MA's), (5, 143038), (15, 143164),

Gene: WaddleDee_194 Start: 143581, Stop: 143832, Start Num: 2

Candidate Starts for WaddleDee_194:

(Start: 2 @143581 has 5 MA's), (3, 143593), (6, 143614), (8, 143647), (9, 143650), (11, 143680), (14, 143701), (15, 143728), (18, 143800),