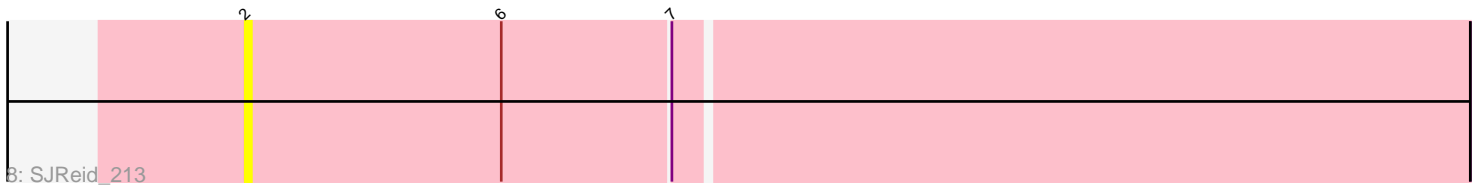
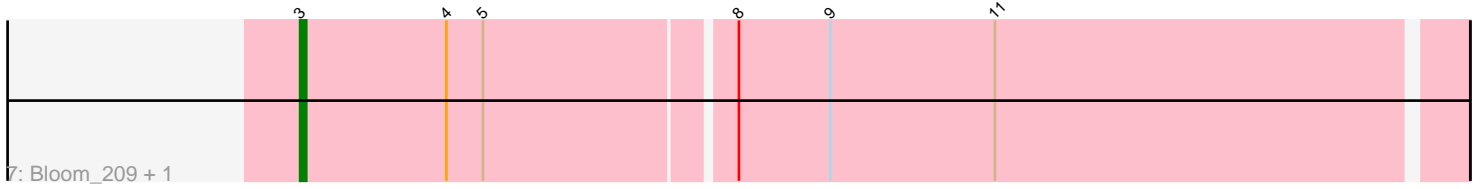
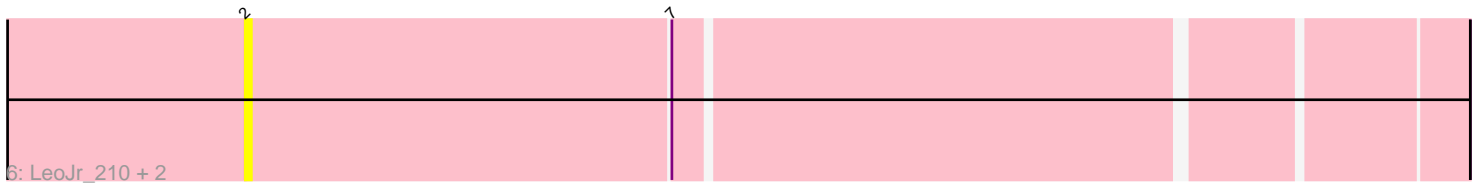
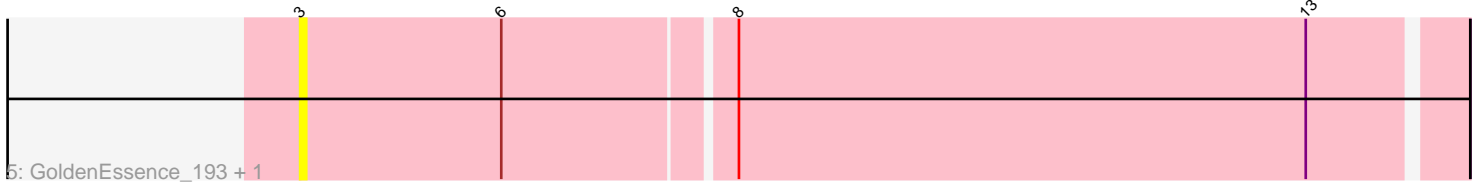
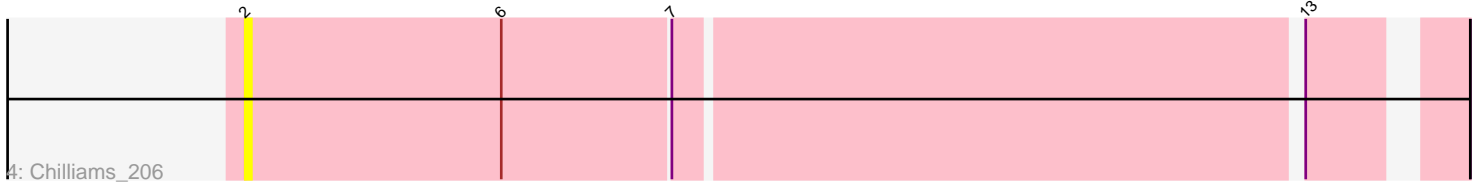
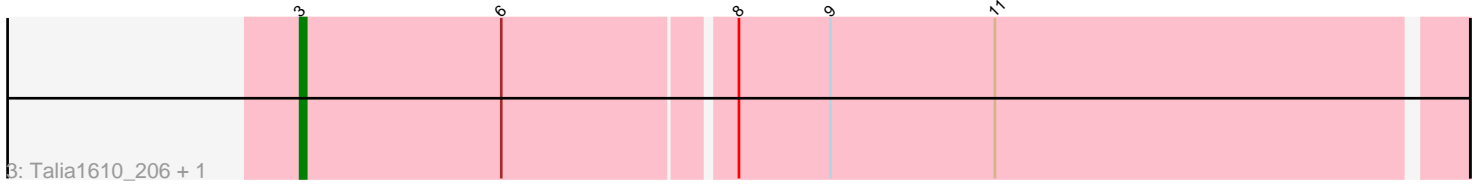
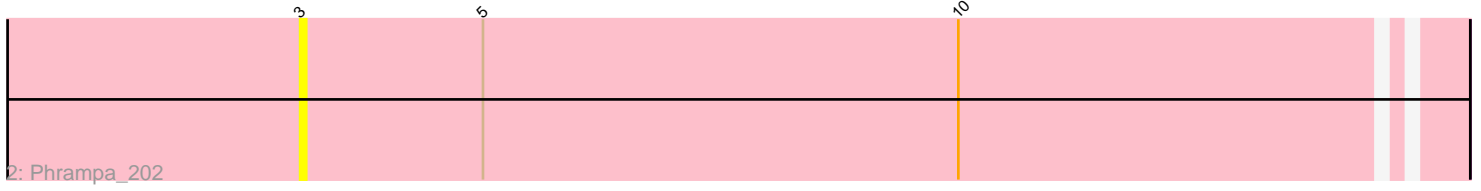
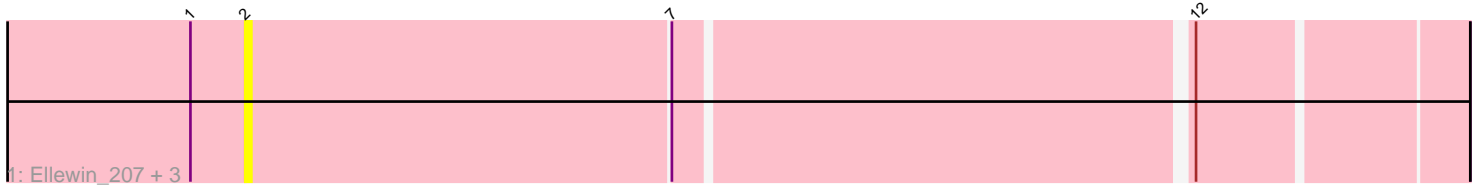


Pham 198563



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 198563 Report

This analysis was run 01/18/25 on database version 583.

Pham number 198563 has 16 members, 14 are drafts.

Phages represented in each track:

- Track 1 : Ellewin_207, WaddleDee_208, DunneganBoMo_210, KSunshine22_206
- Track 2 : Phrampa_202
- Track 3 : Talia1610_206, Mimi_210
- Track 4 : Chilliams_206
- Track 5 : GoldenEssence_193, Patbob_204
- Track 6 : LeoJr_210, Atuin_207, ReginaGlobina_213
- Track 7 : Bloom_209, Racecar_206
- Track 8 : SJReid_213

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

The start number called the most often in the published annotations is 3, it was called in 2 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bloom_209, GoldenEssence_193, Mimi_210, Patbob_204, Phrampa_202, Racecar_206, Talia1610_206,

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

-

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

- Atuin_207, Chilliams_206, DunneganBoMo_210, Ellewin_207, KSunshine22_206, LeoJr_210, ReginaGlobina_213, SJReid_213, WaddleDee_208,

Summary by start number:

Start 2:

- Found in 9 of 16 (56.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Atuin_207 (FC), Chilliams_206 (FC), DunneganBoMo_210 (FC), Ellewin_207 (FC), KSunshine22_206 (FC), LeoJr_210 (FC), ReginaGlobina_213 (FC), SJReid_213 (FC), WaddleDee_208 (FC),

Start 3:

- Found in 7 of 16 (43.8%) of genes in pham
- Manual Annotations of this start: 2 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bloom_209 (FC), GoldenEssence_193 (FC), Mimi_210 (FC), Patbob_204 (FC), Phrampa_202 (FC), Racecar_206 (FC), Talia1610_206 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:

- Start number 3 was manually annotated 2 times for cluster FC.

Gene Information:

Gene: Atuin_207 Start: 141205, Stop: 141396, Start Num: 2

Candidate Starts for Atuin_207:

(2, 141205), (7, 141274),

Gene: Bloom_209 Start: 142256, Stop: 142441, Start Num: 3

Candidate Starts for Bloom_209:

(Start: 3 @142256 has 2 MA's), (4, 142280), (5, 142286), (8, 142325), (9, 142340), (11, 142367),

Gene: Chilliams_206 Start: 139068, Stop: 139256, Start Num: 2

Candidate Starts for Chilliams_206:

(2, 139068), (6, 139110), (7, 139137), (13, 139236),

Gene: DunneganBoMo_210 Start: 147018, Stop: 147209, Start Num: 2

Candidate Starts for DunneganBoMo_210:

(1, 147009), (2, 147018), (7, 147087), (12, 147168),

Gene: Ellewin_207 Start: 146285, Stop: 146476, Start Num: 2

Candidate Starts for Ellewin_207:

(1, 146276), (2, 146285), (7, 146354), (12, 146435),

Gene: GoldenEssence_193 Start: 136223, Stop: 136408, Start Num: 3

Candidate Starts for GoldenEssence_193:

(Start: 3 @136223 has 2 MA's), (6, 136256), (8, 136292), (13, 136385),

Gene: KSunshine22_206 Start: 145696, Stop: 145887, Start Num: 2

Candidate Starts for KSunshine22_206:

(1, 145687), (2, 145696), (7, 145765), (12, 145846),

Gene: LeoJr_210 Start: 141376, Stop: 141567, Start Num: 2

Candidate Starts for LeoJr_210:

(2, 141376), (7, 141445),

Gene: Mimi_210 Start: 141632, Stop: 141817, Start Num: 3

Candidate Starts for Mimi_210:

(Start: 3 @141632 has 2 MA's), (6, 141665), (8, 141701), (9, 141716), (11, 141743),

Gene: Patbob_204 Start: 142019, Stop: 142204, Start Num: 3

Candidate Starts for Patbob_204:

(Start: 3 @142019 has 2 MA's), (6, 142052), (8, 142088), (13, 142181),

Gene: Phrampa_202 Start: 142850, Stop: 143035, Start Num: 3

Candidate Starts for Phrampa_202:

(Start: 3 @142850 has 2 MA's), (5, 142880), (10, 142958),

Gene: Racecar_206 Start: 142012, Stop: 142197, Start Num: 3

Candidate Starts for Racecar_206:

(Start: 3 @142012 has 2 MA's), (4, 142036), (5, 142042), (8, 142081), (9, 142096), (11, 142123),

Gene: ReginaGlobina_213 Start: 142661, Stop: 142852, Start Num: 2

Candidate Starts for ReginaGlobina_213:

(2, 142661), (7, 142730),

Gene: SJReid_213 Start: 136599, Stop: 136796, Start Num: 2

Candidate Starts for SJReid_213:

(2, 136599), (6, 136641), (7, 136668),

Gene: Talia1610_206 Start: 142041, Stop: 142226, Start Num: 3

Candidate Starts for Talia1610_206:

(Start: 3 @142041 has 2 MA's), (6, 142074), (8, 142110), (9, 142125), (11, 142152),

Gene: WaddleDee_208 Start: 145479, Stop: 145670, Start Num: 2

Candidate Starts for WaddleDee_208:

(1, 145470), (2, 145479), (7, 145548), (12, 145629),