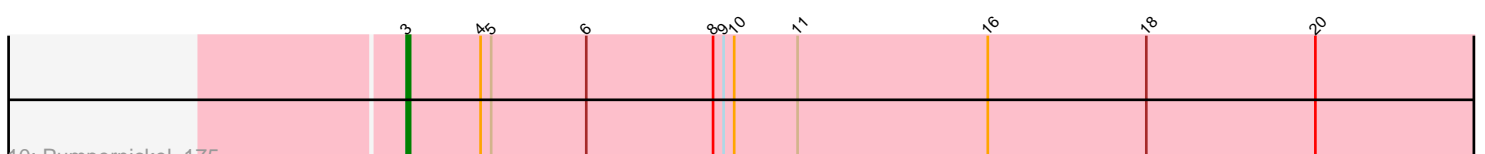
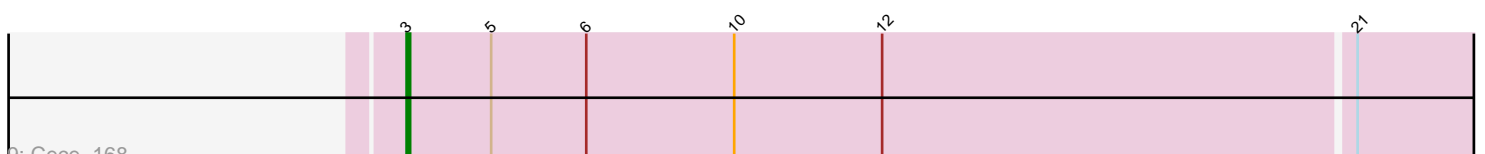
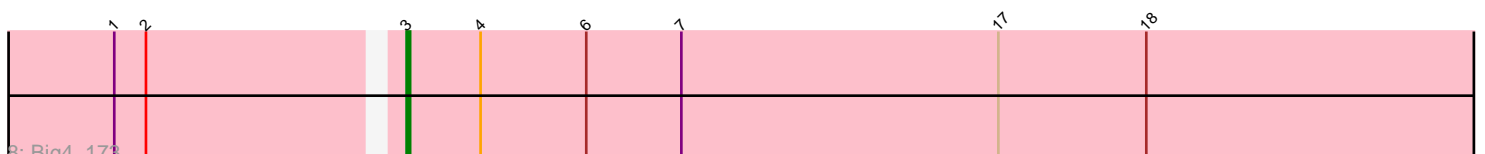
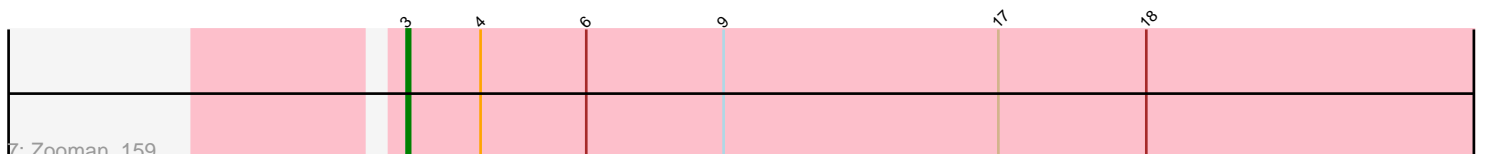
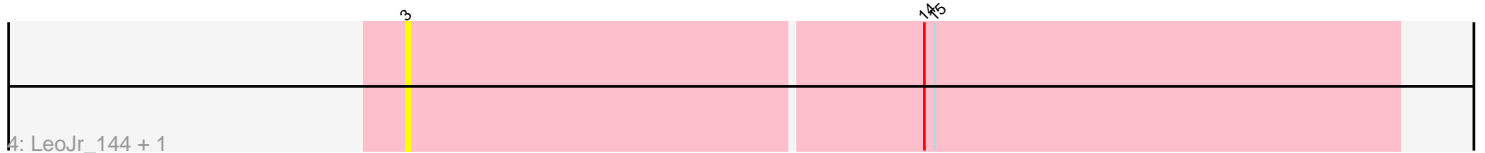
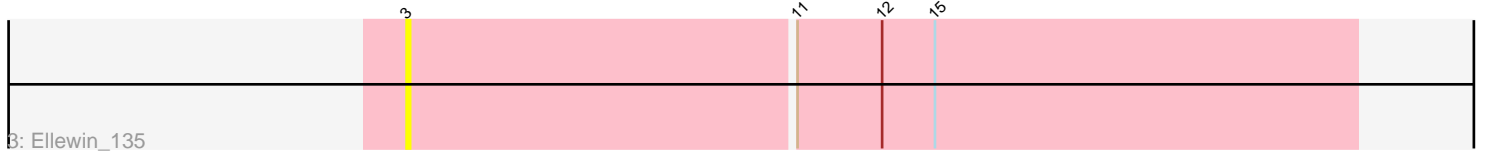
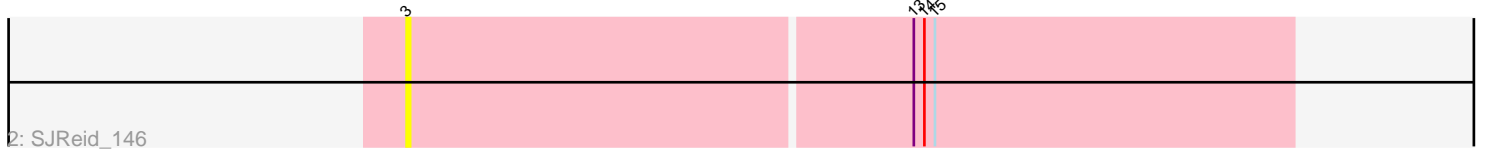
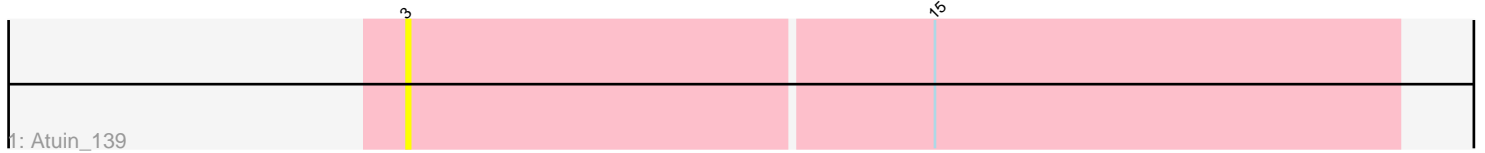


Pham 198623



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 198623 Report

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

Pham number 198623 has 12 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Atuin_139
- Track 2 : SJReid_146
- Track 3 : Ellewin_135
- Track 4 : LeoJr_144, ReginaGlobina_143
- Track 5 : Dodo_183, A3Wally_182
- Track 6 : PauloDiaboli_181
- Track 7 : Zooman_159
- Track 8 : Big4_173
- Track 9 : Cece_168
- Track 10 : Pumpernickel_175

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A3Wally_182, Atuin_139, Big4_173, Cece_168, Dodo_183, Ellewin_135, LeoJr_144, PauloDiaboli_181, Pumpernickel_175, ReginaGlobina_143, SJReid_146, Zooman_159,

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

-

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

-

Summary by start number:

Start 3:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present

• Phage (with cluster) where this start called: A3Wally_182 (GD1), Atuin_139 (FC), Big4_173 (GD2), Cece_168 (GD3), Dodo_183 (GD1), Ellewin_135 (FC), LeoJr_144 (FC), PauloDiaboli_181 (GD1), Pumpernickel_175 (GD4), ReginaGlobina_143 (FC), SJReid_146 (FC), Zooman_159 (GD2),

Summary by clusters:

There are 5 clusters represented in this pham: GD3, GD1, GD2, FC, GD4,

Info for manual annotations of cluster GD1:

•Start number 3 was manually annotated 2 times for cluster GD1.

Info for manual annotations of cluster GD2:

•Start number 3 was manually annotated 2 times for cluster GD2.

Info for manual annotations of cluster GD3:

•Start number 3 was manually annotated 1 time for cluster GD3.

Info for manual annotations of cluster GD4:

•Start number 3 was manually annotated 1 time for cluster GD4.

Gene Information:

Gene: A3Wally_182 Start: 100432, Stop: 100740, Start Num: 3

Candidate Starts for A3Wally_182:

(Start: 3 @100432 has 6 MA's), (5, 100456), (6, 100483), (17, 100600), (19, 100666), (22, 100705),

Gene: Atuin_139 Start: 97267, Stop: 97545, Start Num: 3

Candidate Starts for Atuin_139:

(Start: 3 @97267 has 6 MA's), (15, 97414),

Gene: Big4_173 Start: 97536, Stop: 97844, Start Num: 3

Candidate Starts for Big4_173:

(1, 97461), (2, 97470), (Start: 3 @97536 has 6 MA's), (4, 97557), (6, 97587), (7, 97614), (17, 97704), (18, 97746),

Gene: Cece_168 Start: 102563, Stop: 102877, Start Num: 3

Candidate Starts for Cece_168:

(Start: 3 @102563 has 6 MA's), (5, 102587), (6, 102614), (10, 102656), (12, 102698), (21, 102830),

Gene: Dodo_183 Start: 100044, Stop: 100352, Start Num: 3

Candidate Starts for Dodo_183:

(Start: 3 @100044 has 6 MA's), (5, 100068), (6, 100095), (17, 100212), (19, 100278), (22, 100317),

Gene: Ellewin_135 Start: 93437, Stop: 93703, Start Num: 3

Candidate Starts for Ellewin_135:

(Start: 3 @93437 has 6 MA's), (11, 93545), (12, 93569), (15, 93584),

Gene: LeoJr_144 Start: 97868, Stop: 98146, Start Num: 3

Candidate Starts for LeoJr_144:

(Start: 3 @97868 has 6 MA's), (14, 98012), (15, 98015),

Gene: PauloDiaboli_181 Start: 98479, Stop: 98787, Start Num: 3

Candidate Starts for PauloDiaboli_181:

(Start: 3 @98479 has 6 MA's), (5, 98503), (6, 98530), (17, 98647), (22, 98752),

Gene: Pumpernickel_175 Start: 100142, Stop: 100450, Start Num: 3

Candidate Starts for Pumpernickel_175:

(Start: 3 @100142 has 6 MA's), (4, 100163), (5, 100166), (6, 100193), (8, 100229), (9, 100232), (10, 100235), (11, 100253), (16, 100307), (18, 100352), (20, 100400),

Gene: ReginaGlobina_143 Start: 98090, Stop: 98368, Start Num: 3

Candidate Starts for ReginaGlobina_143:

(Start: 3 @98090 has 6 MA's), (14, 98234), (15, 98237),

Gene: SJReid_146 Start: 88739, Stop: 88987, Start Num: 3

Candidate Starts for SJReid_146:

(Start: 3 @88739 has 6 MA's), (13, 88880), (14, 88883), (15, 88886),

Gene: Zooman_159 Start: 94719, Stop: 95027, Start Num: 3

Candidate Starts for Zooman_159:

(Start: 3 @94719 has 6 MA's), (4, 94740), (6, 94770), (9, 94809), (17, 94887), (18, 94929),