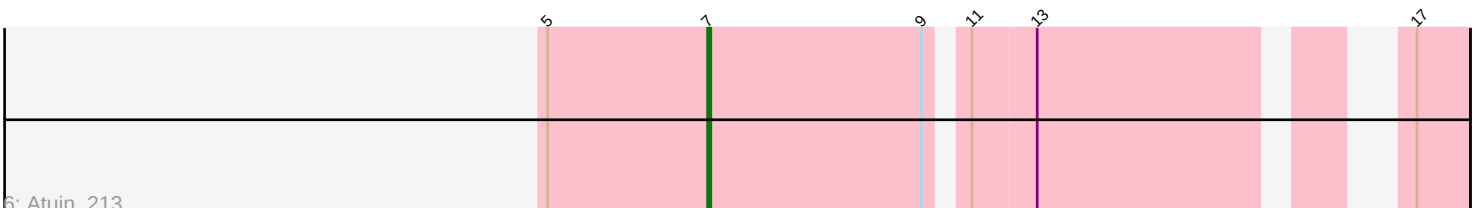
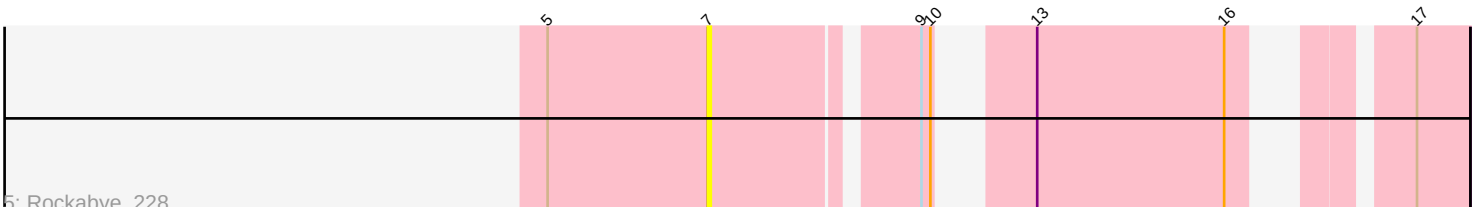
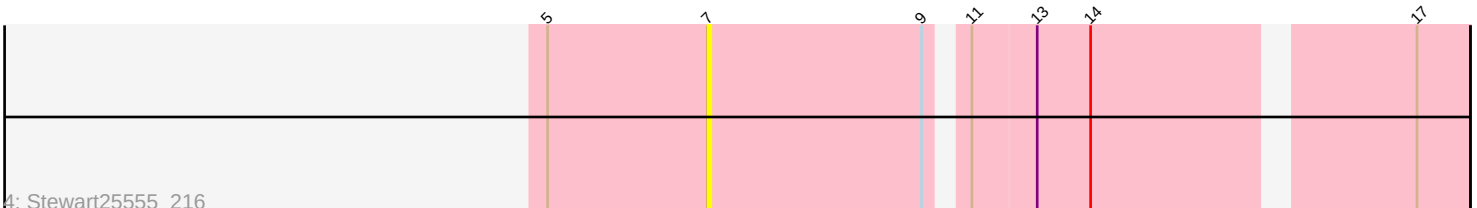
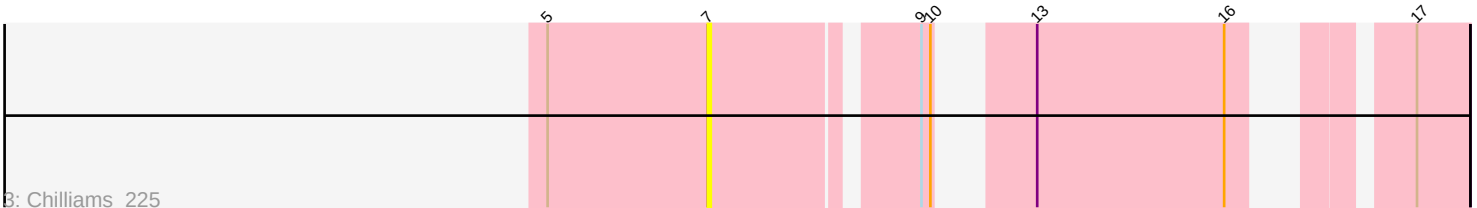
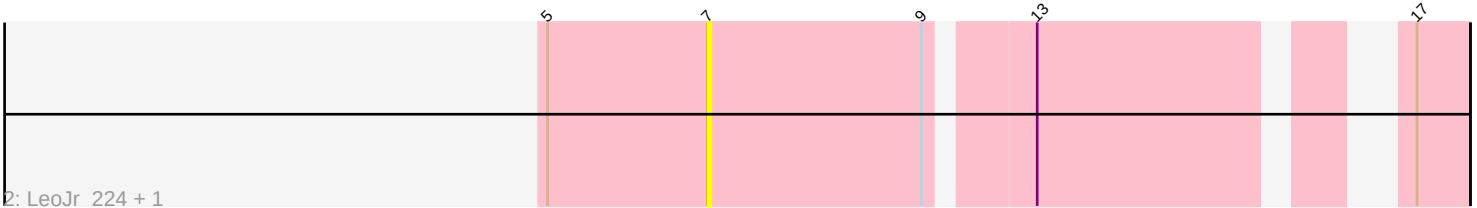
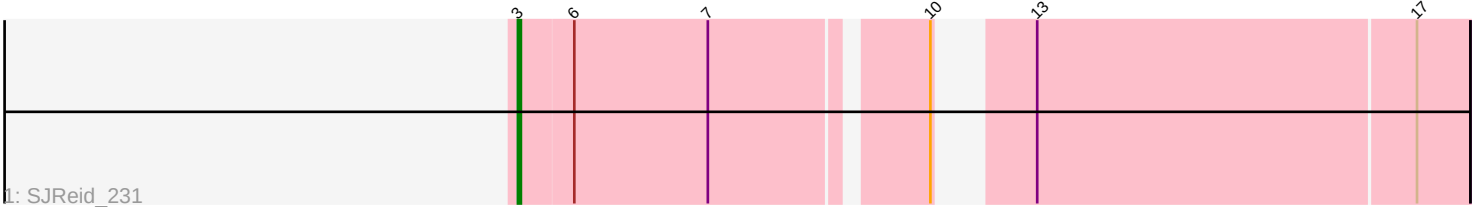


Pham 278910



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 278910 Report

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

Pham number 278910 has 8 members, 6 are drafts.

Phages represented in each track:

- Track 1 : SJReid_231
- Track 2 : LeoJr_224, ReginaGlobina_226
- Track 3 : Chilliams_225
- Track 4 : Stewart25555_216
- Track 5 : Rockabye_228
- Track 6 : Atuin_213
- Track 7 : Laure_227

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 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- SJReid_231,

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

•

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

- Atuin_213, Chilliams_225, Laure_227, LeoJr_224, ReginaGlobina_226, Rockabye_228, Stewart25555_216,

Summary by start number:

Start 3:

- Found in 1 of 8 (12.5%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SJReid_231 (FC),

Start 4:

- Found in 1 of 8 (12.5%) 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_227 (UNK),

Start 7:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 1 of 2
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Atuin_213 (FC), Chilliamps_225 (FC), LeoJr_224 (FC), ReginaGlobina_226 (FC), Rockabye_228 (FC), Stewart25555_216 (FC),

Summary by clusters:

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

Info for manual annotations of cluster FC:

- Start number 3 was manually annotated 1 time for cluster FC.
- Start number 7 was manually annotated 1 time for cluster FC.

Gene Information:

Gene: Atuin_213 Start: 146346, Stop: 146564, Start Num: 7

Candidate Starts for Atuin_213:

(5, 146292), (Start: 7 @146346 has 1 MA's), (9, 146418), (11, 146427), (13, 146448), (17, 146547),

Gene: Chilliamps_225 Start: 147263, Stop: 147466, Start Num: 7

Candidate Starts for Chilliamps_225:

(5, 147209), (Start: 7 @147263 has 1 MA's), (9, 147326), (10, 147329), (13, 147347), (16, 147410), (17, 147449),

Gene: Laure_227 Start: 137660, Stop: 137947, Start Num: 4

Candidate Starts for Laure_227:

(1, 137513), (2, 137561), (4, 137660), (6, 137675), (8, 137765), (12, 137810), (15, 137885),

Gene: LeoJr_224 Start: 146794, Stop: 147012, Start Num: 7

Candidate Starts for LeoJr_224:

(5, 146740), (Start: 7 @146794 has 1 MA's), (9, 146866), (13, 146896), (17, 146995),

Gene: ReginaGlobina_226 Start: 148079, Stop: 148297, Start Num: 7

Candidate Starts for ReginaGlobina_226:

(5, 148025), (Start: 7 @148079 has 1 MA's), (9, 148151), (13, 148181), (17, 148280),

Gene: Rockabye_228 Start: 146045, Stop: 146248, Start Num: 7

Candidate Starts for Rockabye_228:

(5, 145991), (Start: 7 @146045 has 1 MA's), (9, 146108), (10, 146111), (13, 146129), (16, 146192), (17, 146231),

Gene: SJReid_231 Start: 144750, Stop: 145040, Start Num: 3

Candidate Starts for SJReid_231:

(Start: 3 @144750 has 1 MA's), (6, 144768), (Start: 7 @144813 has 1 MA's), (10, 144879), (13, 144897), (17, 145023),

Gene: Stewart25555_216 Start: 149588, Stop: 149824, Start Num: 7

Candidate Starts for Stewart25555_216:

(5, 149534), (Start: 7 @149588 has 1 MA's), (9, 149660), (11, 149669), (13, 149690), (14, 149708), (17, 149807),