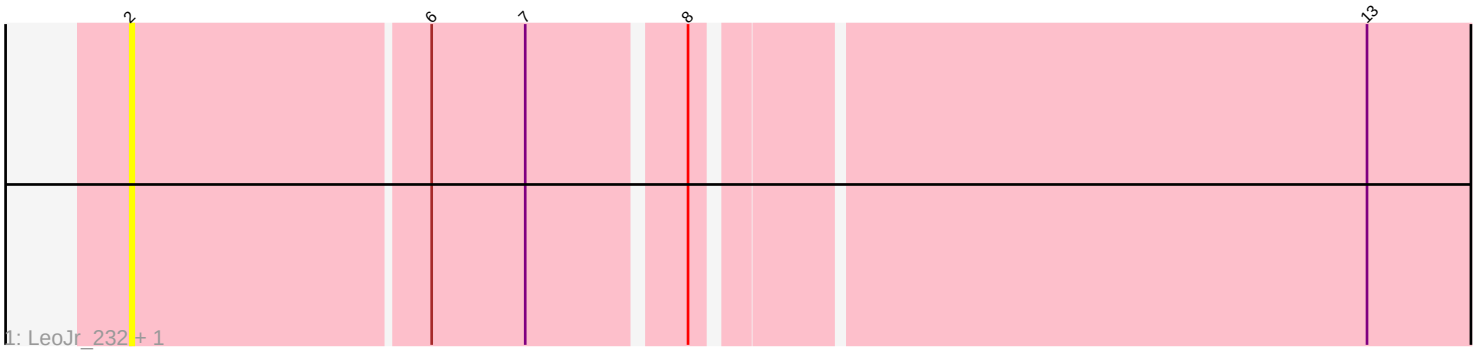
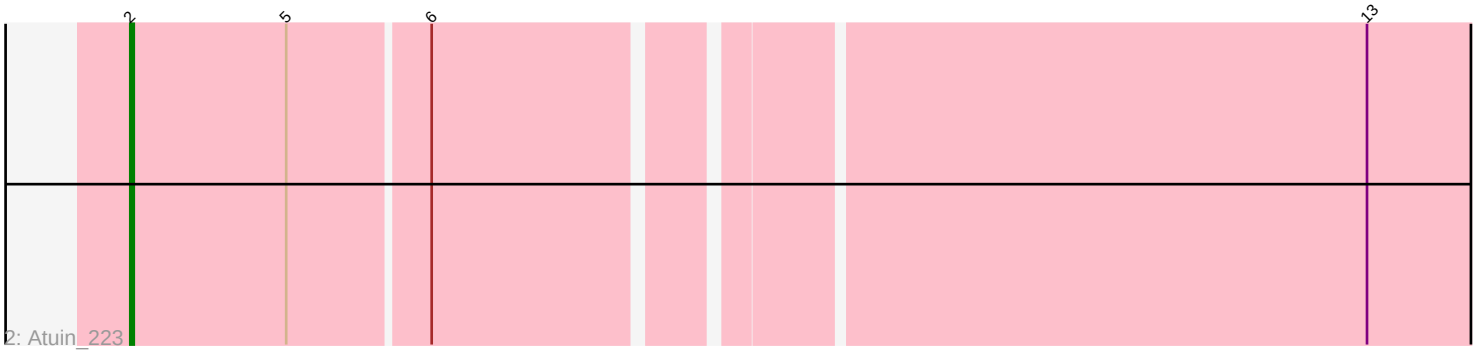
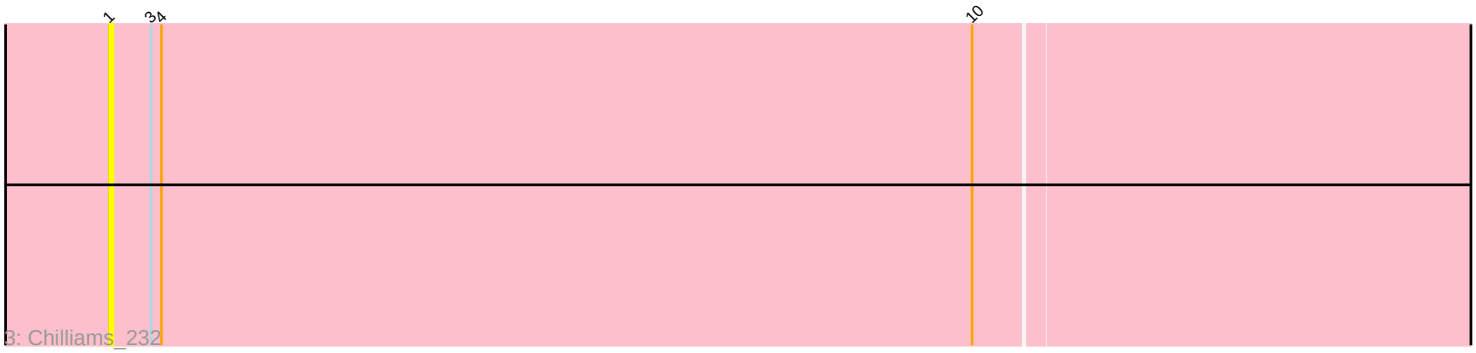
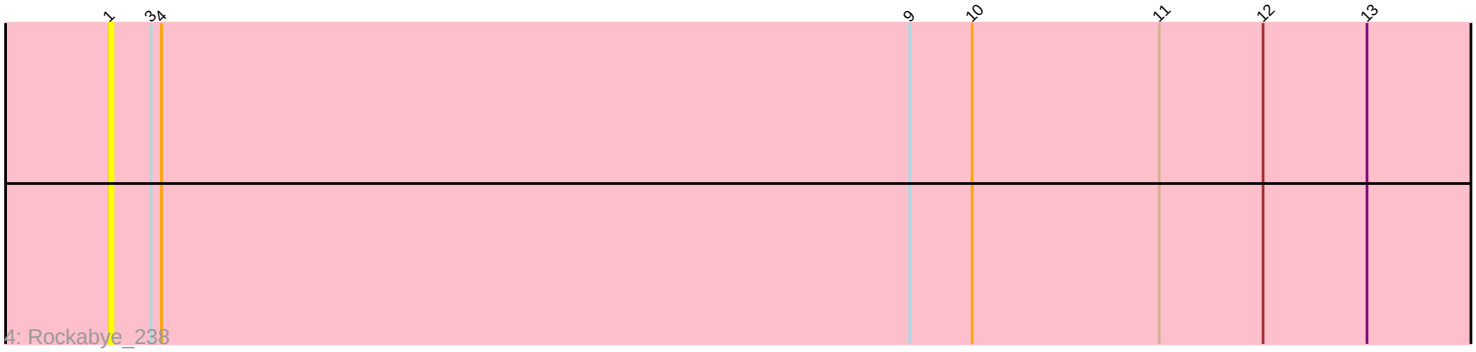
Pham 215076


2
6
7
8
13
1: LeoJr_232 + 1


2
5
6
13
2: Atuin_223


1
34
10
3: Chilliams_232


1
34
9
10
11
12
13
4: Rockabye_238

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 215076 Report

This analysis was run 02/22/25 on database version 588.

Pham number 215076 has 5 members, 4 are drafts.

Phages represented in each track:
• Track 1 : LeoJr_232, ReginaGlobina_234
• Track 2 : Atuin_223
• Track 3 : Chilliams_232
• Track 4 : Rockabye_238

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

Genes that call this "Most Annotated" start:
• Atuin_223, LeoJr_232, ReginaGlobina_234,

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

Genes that do not have the "Most Annotated" start:
• Chilliams_232, Rockabye_238,

Summary by start number:

Start 1:
• Found in 2 of 5 (40.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Chilliams_232 (FC), Rockabye_238 (FC),

Start 2:
• Found in 3 of 5 (60.0%) of genes in pham
• Manual Annotations of this start: 1 of 1
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_223 (FC), LeoJr_232 (FC), ReginaGlobina_234 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

Info for manual annotations of cluster FC:
•Start number 2 was manually annotated 1 time for cluster FC.

Gene Information:

Gene: Atuin_223 Start: 150648, Stop: 151073, Start Num: 2
Candidate Starts for Atuin_223:
(Start: 2 @150648 has 1 MA's), (5, 150693), (6, 150732), (13, 150987),

Gene: Chilliams_232 Start: 149265, Stop: 149711, Start Num: 1
Candidate Starts for Chilliams_232:
(1, 149265), (3, 149277), (4, 149280), (10, 149514),

Gene: LeoJr_232 Start: 150533, Stop: 150958, Start Num: 2
Candidate Starts for LeoJr_232:
(Start: 2 @150533 has 1 MA's), (6, 150617), (7, 150644), (8, 150686), (13, 150872),

Gene: ReginaGlobina_234 Start: 151819, Stop: 152244, Start Num: 2
Candidate Starts for ReginaGlobina_234:
(Start: 2 @151819 has 1 MA's), (6, 151903), (7, 151930), (8, 151972), (13, 152158),

Gene: Rockabye_238 Start: 148762, Stop: 149211, Start Num: 1
Candidate Starts for Rockabye_238:
(1, 148762), (3, 148774), (4, 148777), (9, 148993), (10, 149011), (11, 149065), (12, 149095), (13, 149125),