Pham 6870

1: Rey_95 + 3

2: GenevaB15_97 + 1

3: Nanosmite_89
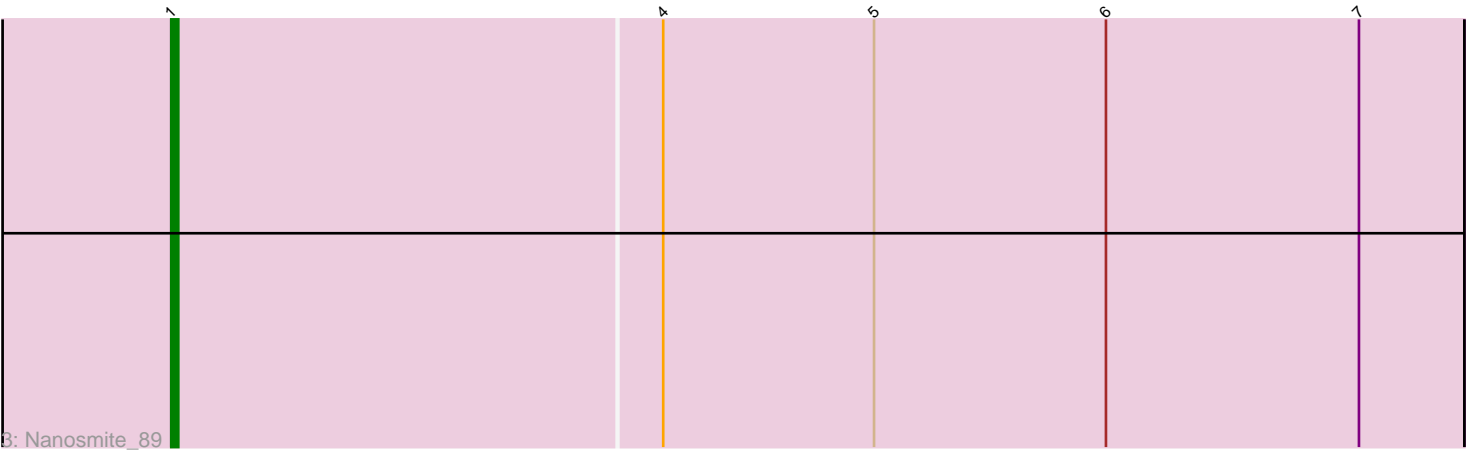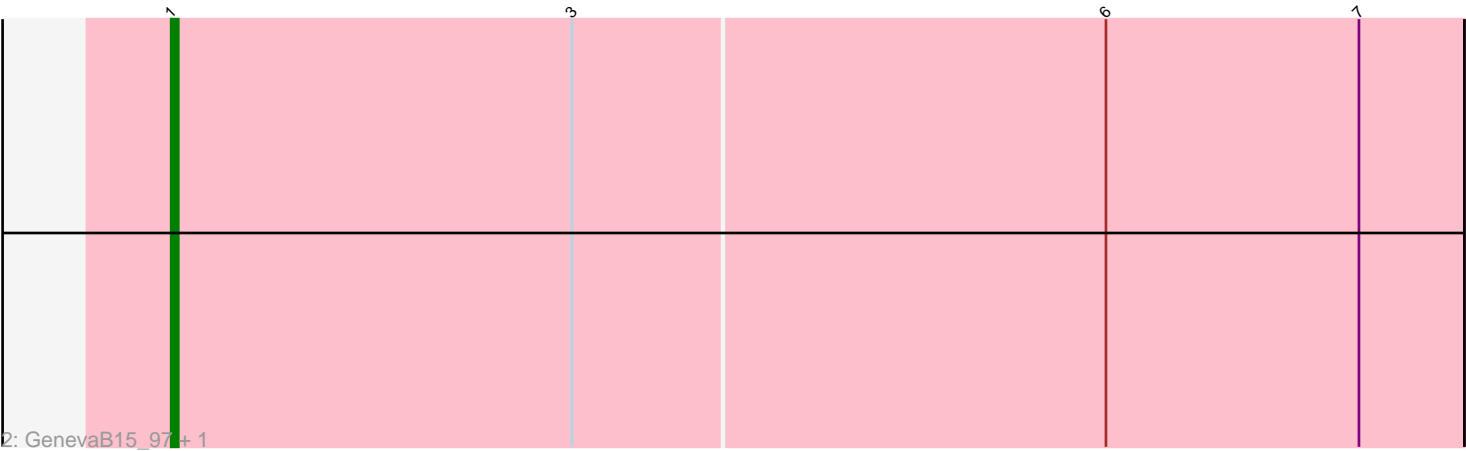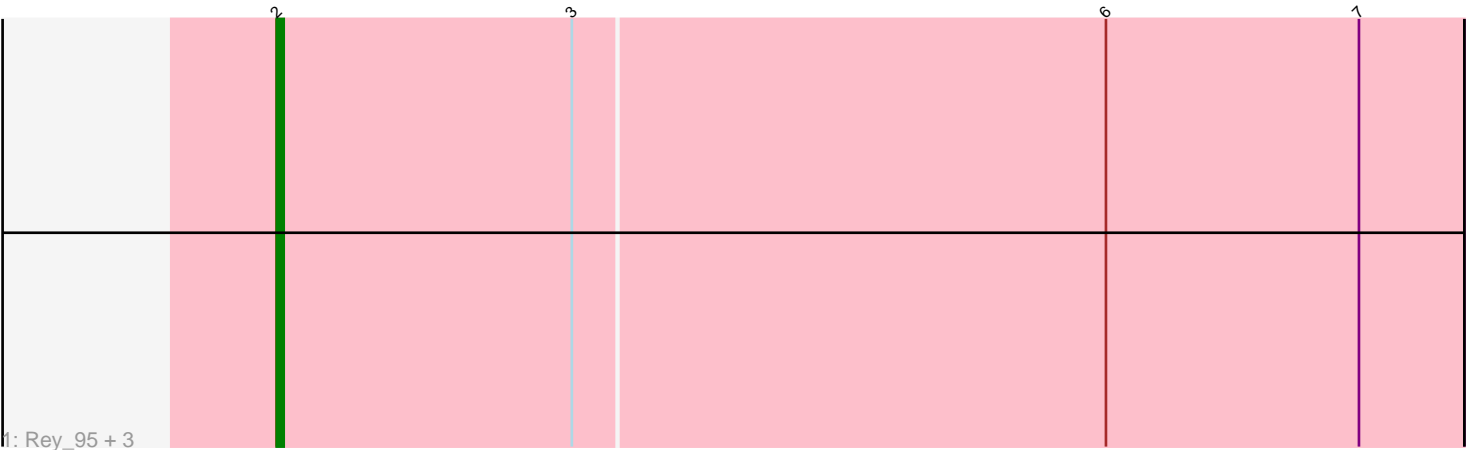
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 6870 Report

This analysis was run 04/28/24 on database version 559.

Pham number 6870 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Rey_95, GardenSalsa_96, Estes_95, MrMagoo_97
• Track 2 : GenevaB15_97, Aziz_95
• Track 3 : Nanosmite_89

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 4 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Estes_95, GardenSalsa_96, MrMagoo_97, Rey_95,

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

Genes that do not have the "Most Annotated" start:
• Aziz_95, GenevaB15_97, Nanosmite_89,

Summary by start number:

Start 1:
• Found in 3 of 7 (42.9%) of genes in pham
• Manual Annotations of this start: 3 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aziz_95 (M2), GenevaB15_97 (M2), Nanosmite_89 (M3),

Start 2:
• Found in 4 of 7 (57.1%) of genes in pham
• Manual Annotations of this start: 4 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Estes_95 (M2), GardenSalsa_96 (M2), MrMagoo_97 (M2), Rey_95 (M2),

Summary by clusters:

There are 2 clusters represented in this pham: M3, M2,

Info for manual annotations of cluster M2:
•Start number 1 was manually annotated 2 times for cluster M2.
•Start number 2 was manually annotated 4 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 1 was manually annotated 1 time for cluster M3.

Gene Information:
Gene: Aziz_95 Start: 54794, Stop: 54976, Start Num: 1
Candidate Starts for Aziz_95:
(Start: 1 @54794 has 3 MA's), (3, 54851), (6, 54926), (7, 54962),

Gene: Estes_95 Start: 54591, Stop: 54758, Start Num: 2
Candidate Starts for Estes_95:
(Start: 2 @54591 has 4 MA's), (3, 54633), (6, 54708), (7, 54744),

Gene: GardenSalsa_96 Start: 54951, Stop: 55118, Start Num: 2
Candidate Starts for GardenSalsa_96:
(Start: 2 @54951 has 4 MA's), (3, 54993), (6, 55068), (7, 55104),

Gene: GenevaB15_97 Start: 54794, Stop: 54976, Start Num: 1
Candidate Starts for GenevaB15_97:
(Start: 1 @54794 has 3 MA's), (3, 54851), (6, 54926), (7, 54962),

Gene: MrMagoo_97 Start: 54951, Stop: 55118, Start Num: 2
Candidate Starts for MrMagoo_97:
(Start: 2 @54951 has 4 MA's), (3, 54993), (6, 55068), (7, 55104),

Gene: Nanosmite_89 Start: 53847, Stop: 54029, Start Num: 1
Candidate Starts for Nanosmite_89:
(Start: 1 @53847 has 3 MA's), (4, 53916), (5, 53946), (6, 53979), (7, 54015),

Gene: Rey_95 Start: 54261, Stop: 54428, Start Num: 2
Candidate Starts for Rey_95:
(Start: 2 @54261 has 4 MA's), (3, 54303), (6, 54378), (7, 54414),