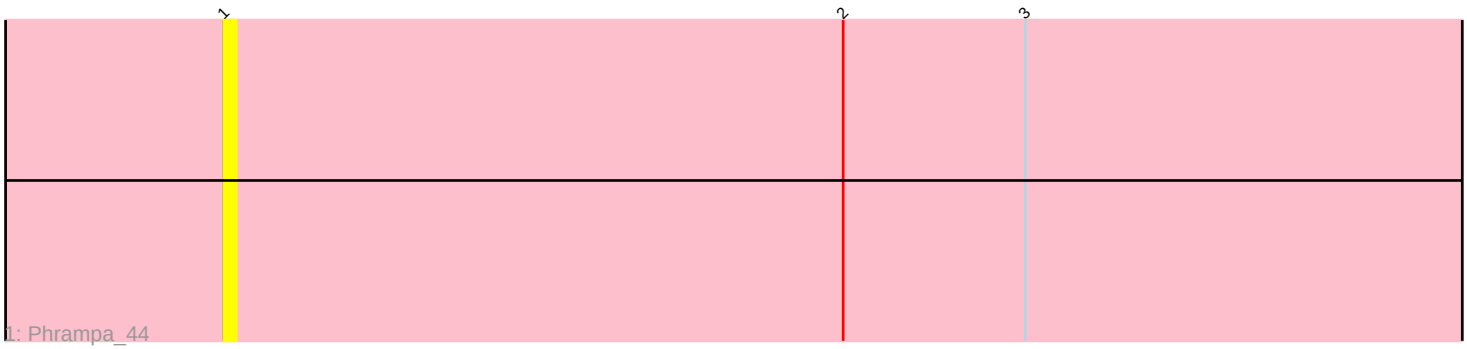
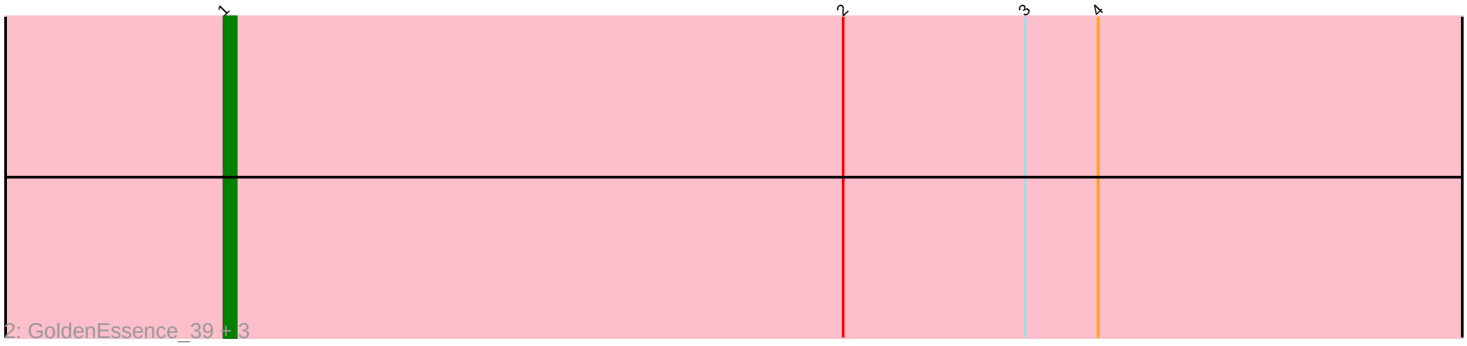
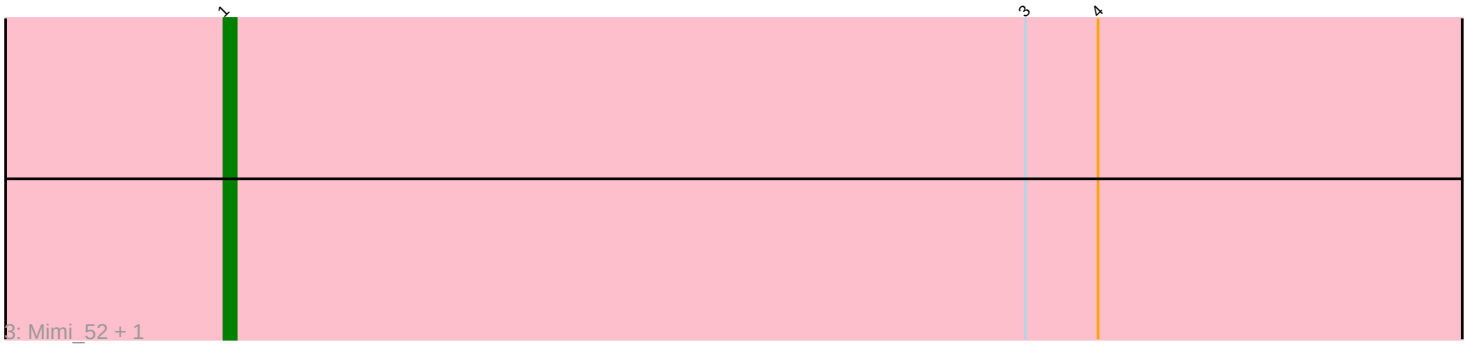
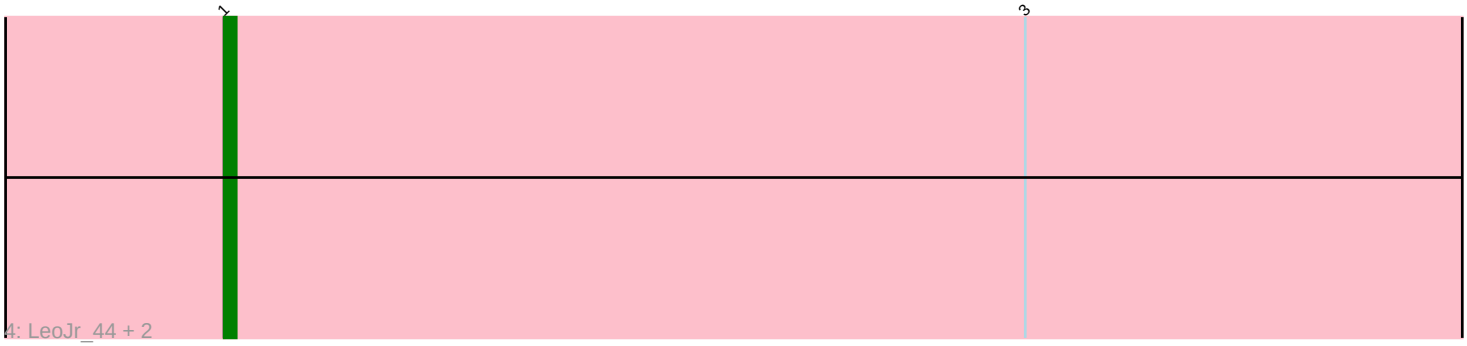
Pham 225103


1
2
3
1: Phrampa_44


1
2
3
4
2: GoldenEssence_39 + 3


1
3
4
3: Mimi_52 + 1


1
3
4: LeoJr_44 + 2

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 225103 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225103 has 10 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Phrampa_44
• Track 2 : GoldenEssence_39, Patbob_48, Bloom_57, Talia1610_52
• Track 3 : Mimi_52, Racecar_53
• Track 4 : LeoJr_44, ReginaGlobina_44, Atuin_41

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

The start number called the most often in the published annotations is 1, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Atuin_41, Bloom_57, GoldenEssence_39, LeoJr_44, Mimi_52, Patbob_48, Phrampa_44, Racecar_53, ReginaGlobina_44, Talia1610_52,

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 1:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Atuin_41 (FC), Bloom_57 (FC), GoldenEssence_39 (FC), LeoJr_44 (FC), Mimi_52 (FC), Patbob_48 (FC), Phrampa_44 (FC), Racecar_53 (FC), ReginaGlobina_44 (FC), Talia1610_52 (FC),

Summary by clusters:

There is one cluster represented in this pham: FC

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

Gene Information:

Gene: Atuin_41 Start: 18462, Stop: 18800, Start Num: 1
Candidate Starts for Atuin_41:
(Start: 1 @18462 has 4 MA's), (3, 18528),

Gene: Bloom_57 Start: 23011, Stop: 23370, Start Num: 1
Candidate Starts for Bloom_57:
(Start: 1 @23011 has 4 MA's), (2, 23062), (3, 23077), (4, 23083),

Gene: GoldenEssence_39 Start: 15868, Stop: 16227, Start Num: 1
Candidate Starts for GoldenEssence_39:
(Start: 1 @15868 has 4 MA's), (2, 15919), (3, 15934), (4, 15940),

Gene: LeoJr_44 Start: 18628, Stop: 18966, Start Num: 1
Candidate Starts for LeoJr_44:
(Start: 1 @18628 has 4 MA's), (3, 18694),

Gene: Mimi_52 Start: 22124, Stop: 22483, Start Num: 1
Candidate Starts for Mimi_52:
(Start: 1 @22124 has 4 MA's), (3, 22190), (4, 22196),

Gene: Patbob_48 Start: 21496, Stop: 21855, Start Num: 1
Candidate Starts for Patbob_48:
(Start: 1 @21496 has 4 MA's), (2, 21547), (3, 21562), (4, 21568),

Gene: Phrampa_44 Start: 18766, Stop: 19125, Start Num: 1
Candidate Starts for Phrampa_44:
(Start: 1 @18766 has 4 MA's), (2, 18817), (3, 18832),

Gene: Racecar_53 Start: 22777, Stop: 23136, Start Num: 1
Candidate Starts for Racecar_53:
(Start: 1 @22777 has 4 MA's), (3, 22843), (4, 22849),

Gene: ReginaGlobina_44 Start: 18825, Stop: 19163, Start Num: 1
Candidate Starts for ReginaGlobina_44:
(Start: 1 @18825 has 4 MA's), (3, 18891),

Gene: Talia1610_52 Start: 22142, Stop: 22501, Start Num: 1
Candidate Starts for Talia1610_52:
(Start: 1 @22142 has 4 MA's), (2, 22193), (3, 22208), (4, 22214),