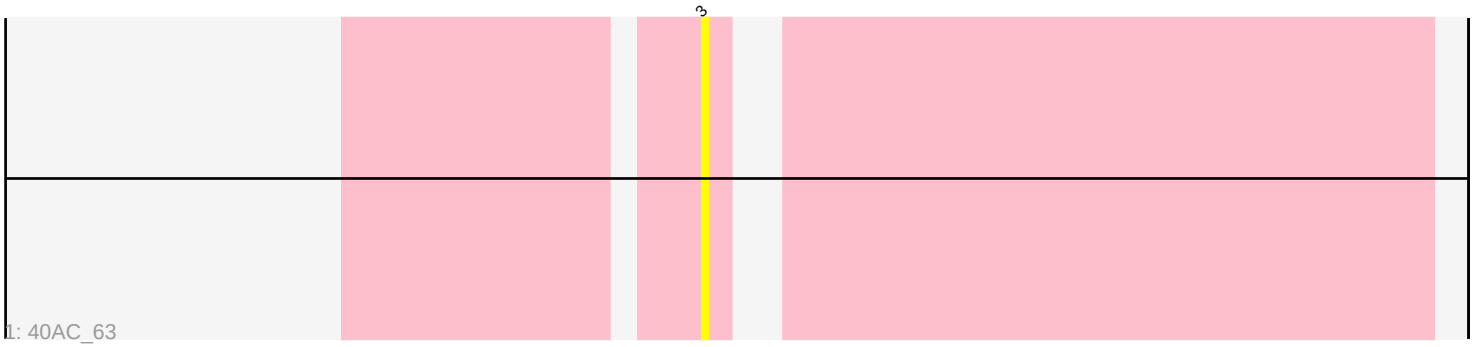
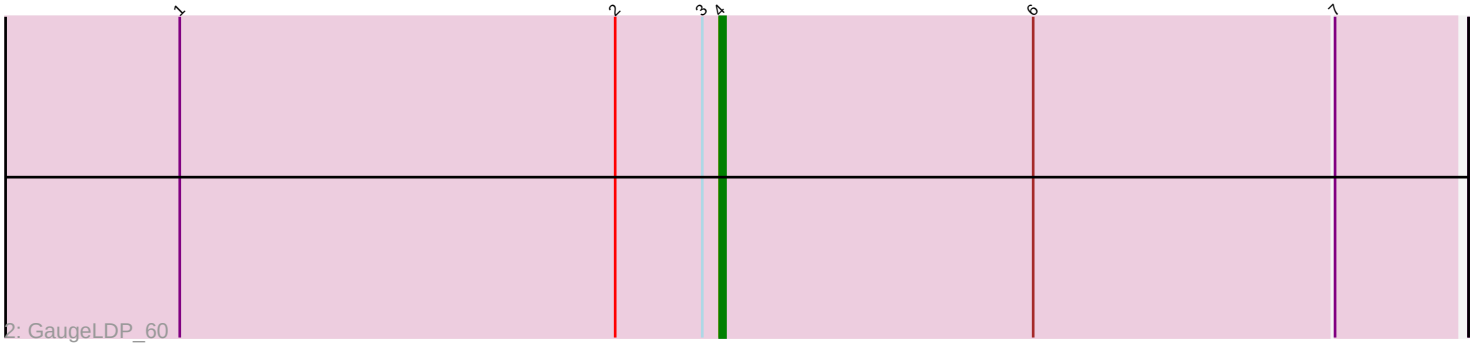
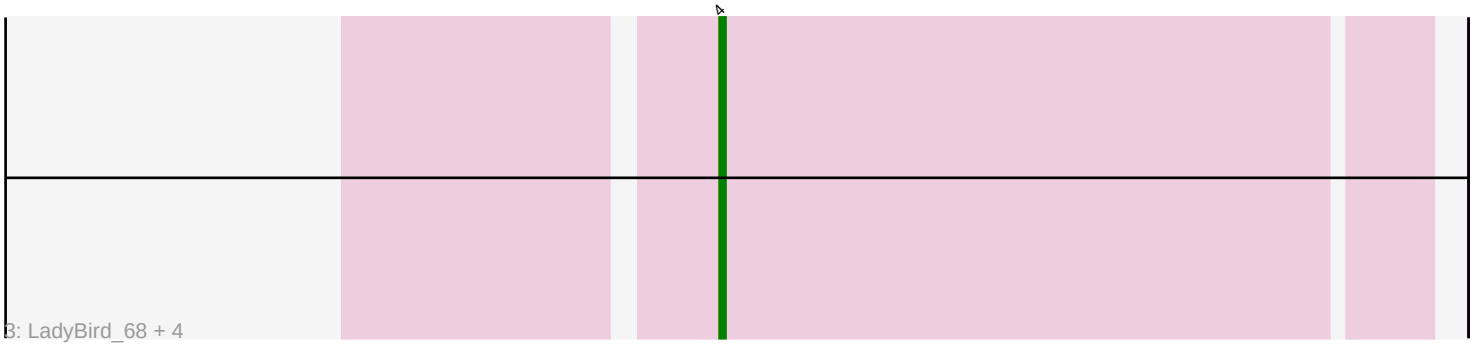
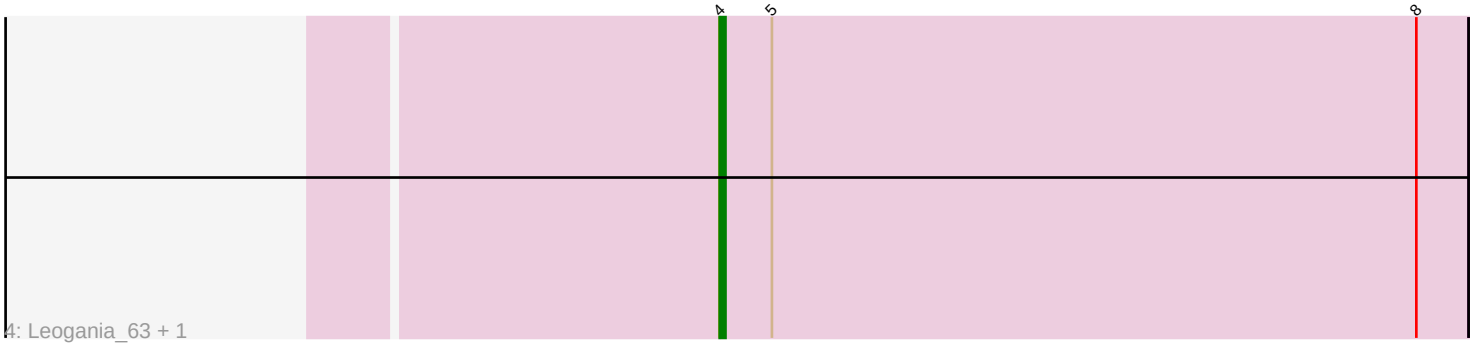
Pham 197084


3
1: 40AC_63


1
2
3
4
6
7
2: GaugeLDP_60


4
3: LadyBird_68 + 4


4
5
8
4: Leogania_63 + 1

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 197084 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197084 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : 40AC_63
• Track 2 : GaugeLDP_60
• Track 3 : LadyBird_68, 20ES_66, BengiVuitton_64, Deloris_64, CRB1_66
• Track 4 : Leogania_63, BiancaTri92_63

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

The start number called the most often in the published annotations is 4, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 20ES_66, BengiVuitton_64, BiancaTri92_63, CRB1_66, Deloris_64, GaugeLDP_60, LadyBird_68, Leogania_63,

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

Genes that do not have the "Most Annotated" start:
• 40AC_63,

Summary by start number:

Start 3:
• Found in 2 of 9 (22.2%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: 40AC_63 (A17),

Start 4:
• Found in 8 of 9 (88.9%) 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: 20ES_66 (A2), BengiVuitton_64 (A2), BiancaTri92_63 (A2), CRB1_66 (A2), Deloris_64 (A2), GaugeLDP_60 (A2),

LadyBird_68 (A2), Leogania_63 (A2),

Summary by clusters:

There are 2 clusters represented in this pham: A17, A2,

Info for manual annotations of cluster A2:
•Start number 4 was manually annotated 6 times for cluster A2.

Gene Information:

Gene: 20ES_66 Start: 40354, Stop: 40241, Start Num: 4
Candidate Starts for 20ES_66:
(Start: 4 @40354 has 6 MA's),

Gene: 40AC_63 Start: 41089, Stop: 40973, Start Num: 3
Candidate Starts for 40AC_63:
(3, 41089),

Gene: BengiVuitton_64 Start: 40331, Stop: 40212, Start Num: 4
Candidate Starts for BengiVuitton_64:
(Start: 4 @40331 has 6 MA's),

Gene: BiancaTri92_63 Start: 40390, Stop: 40262, Start Num: 4
Candidate Starts for BiancaTri92_63:
(Start: 4 @40390 has 6 MA's), (5, 40381), (8, 40270),

Gene: CRB1_66 Start: 40877, Stop: 40758, Start Num: 4
Candidate Starts for CRB1_66:
(Start: 4 @40877 has 6 MA's),

Gene: Deloris_64 Start: 40027, Stop: 39908, Start Num: 4
Candidate Starts for Deloris_64:
(Start: 4 @40027 has 6 MA's),

Gene: GaugeLDP_60 Start: 39857, Stop: 39732, Start Num: 4
Candidate Starts for GaugeLDP_60:
(1, 39950), (2, 39875), (3, 39860), (Start: 4 @39857 has 6 MA's), (6, 39803), (7, 39752),

Gene: LadyBird_68 Start: 40839, Stop: 40720, Start Num: 4
Candidate Starts for LadyBird_68:
(Start: 4 @40839 has 6 MA's),

Gene: Leogania_63 Start: 40768, Stop: 40640, Start Num: 4
Candidate Starts for Leogania_63:
(Start: 4 @40768 has 6 MA's), (5, 40759), (8, 40648),