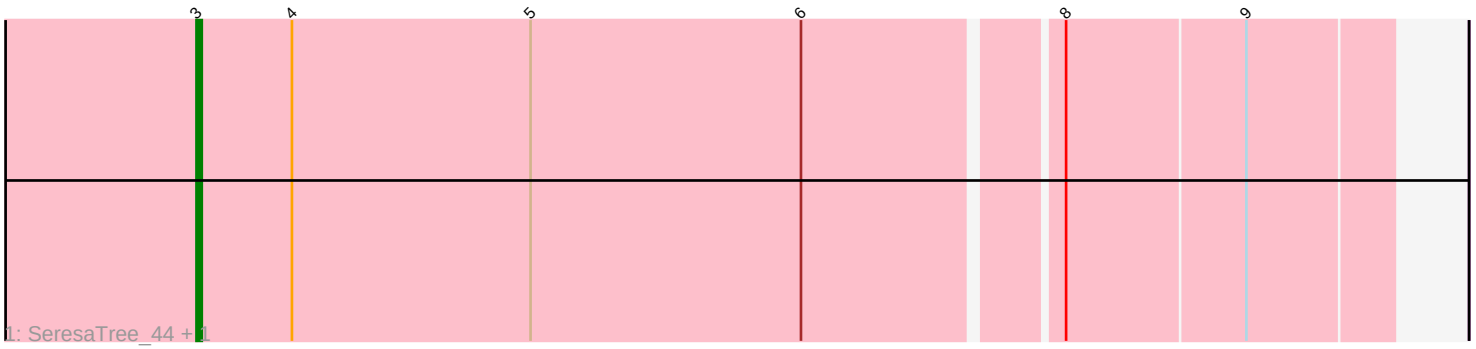
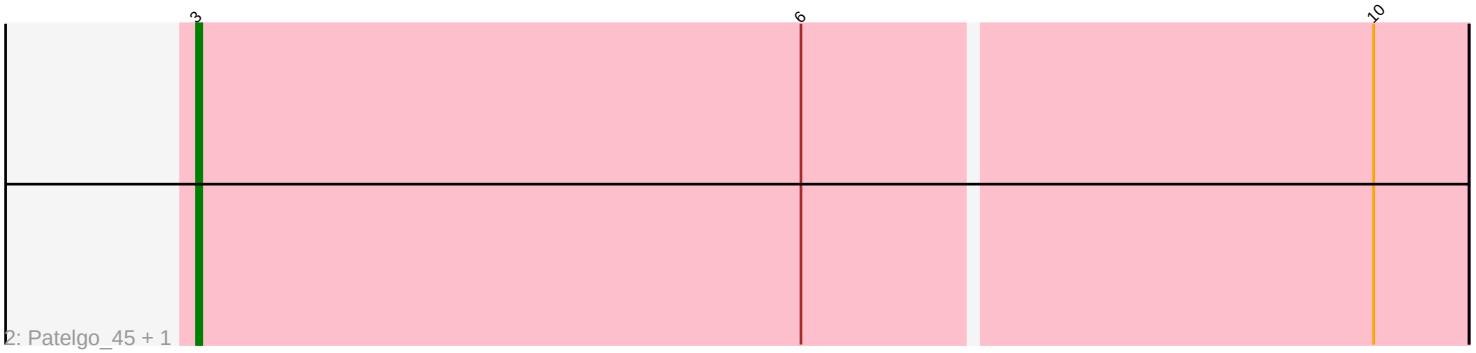
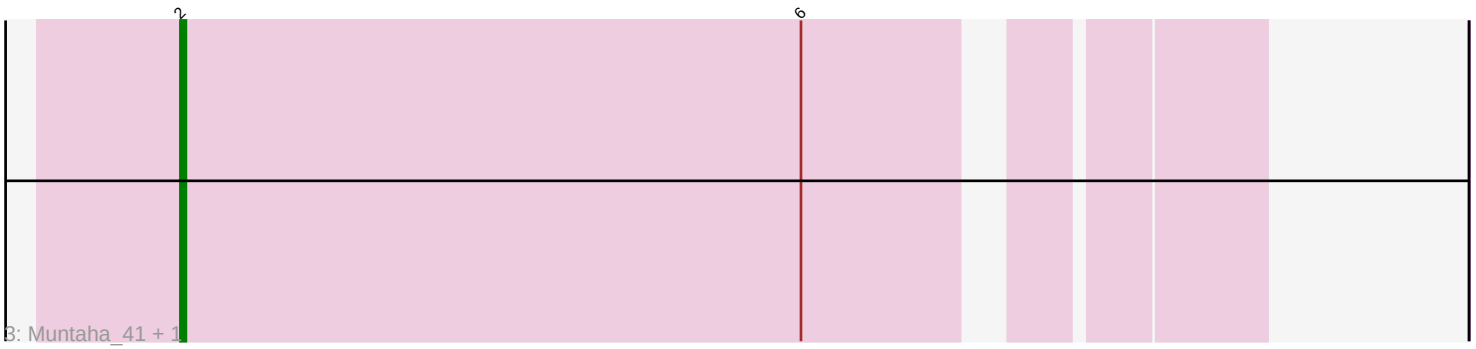
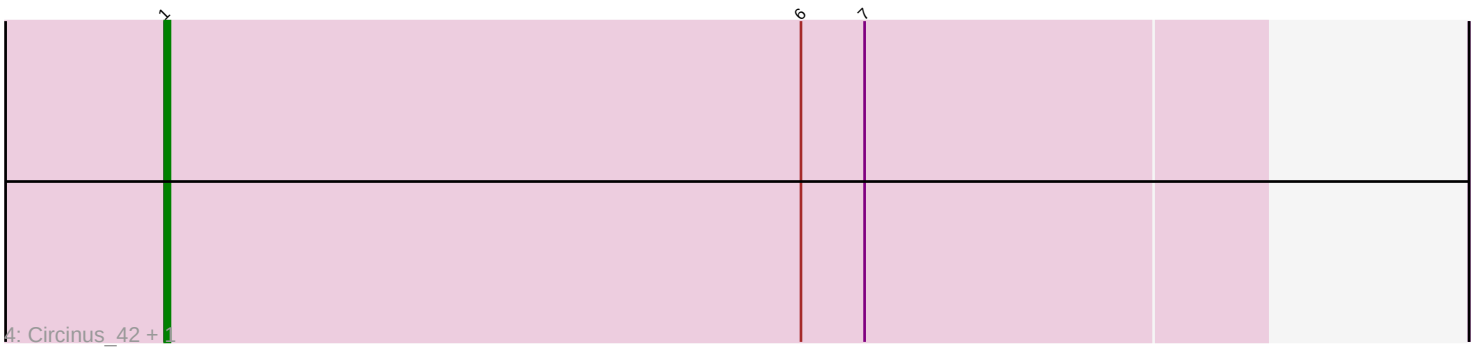
Pham 107053


3
4
5
6
8
9
1: SeresaTree_44 + 1


3
6
10
2: Patelgo_45 + 1


2
6
3: Muntaha_41 + 1


1
6
7
4: Circinus_42 + 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 107053 Report

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

Pham number 107053 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : SeresaTree_44, Faust_45
• Track 2 : Patelgo_45, Moab_45
• Track 3 : Muntaha_41, Wakanda_41
• Track 4 : Circinus_42, BillNye_40

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

Genes that call this "Most Annotated" start:
• Faust_45, Moab_45, Patelgo_45, SeresaTree_44,

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

Genes that do not have the "Most Annotated" start:
• BillNye_40, Circinus_42, Muntaha_41, Wakanda_41,

Summary by start number:

Start 1:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillNye_40 (BK2), Circinus_42 (BK2),

Start 2:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Muntaha_41 (BK2), Wakanda_41 (BK2),

Start 3:

• Found in 4 of 8 (50.0%) 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: Faust_45 (BK1), Moab_45 (BK1), Patelgo_45 (BK1), SeresaTree_44 (BK1),

Summary by clusters:

There are 2 clusters represented in this pham: BK1, BK2,

Info for manual annotations of cluster BK1:
•Start number 3 was manually annotated 3 times for cluster BK1.

Info for manual annotations of cluster BK2:
•Start number 1 was manually annotated 2 times for cluster BK2.
•Start number 2 was manually annotated 2 times for cluster BK2.

Gene Information:

Gene: BillNye_40 Start: 43185, Stop: 43391, Start Num: 1
Candidate Starts for BillNye_40:
(Start: 1 @43185 has 2 MA's), (6, 43305), (7, 43317),

Gene: Circinus_42 Start: 43324, Stop: 43530, Start Num: 1
Candidate Starts for Circinus_42:
(Start: 1 @43324 has 2 MA's), (6, 43444), (7, 43456),

Gene: Faust_45 Start: 41234, Stop: 41452, Start Num: 3
Candidate Starts for Faust_45:
(Start: 3 @41234 has 3 MA's), (4, 41252), (5, 41297), (6, 41348), (8, 41393), (9, 41426),

Gene: Moab_45 Start: 41874, Stop: 42110, Start Num: 3
Candidate Starts for Moab_45:
(Start: 3 @41874 has 3 MA's), (6, 41988), (10, 42093),

Gene: Muntaha_41 Start: 41616, Stop: 41807, Start Num: 2
Candidate Starts for Muntaha_41:
(Start: 2 @41616 has 2 MA's), (6, 41733),

Gene: Patelgo_45 Start: 42061, Stop: 42297, Start Num: 3
Candidate Starts for Patelgo_45:
(Start: 3 @42061 has 3 MA's), (6, 42175), (10, 42280),

Gene: SeresaTree_44 Start: 40624, Stop: 40842, Start Num: 3
Candidate Starts for SeresaTree_44:
(Start: 3 @40624 has 3 MA's), (4, 40642), (5, 40687), (6, 40738), (8, 40783), (9, 40816),

Gene: Wakanda_41 Start: 41554, Stop: 41745, Start Num: 2
Candidate Starts for Wakanda_41:
(Start: 2 @41554 has 2 MA's), (6, 41671),