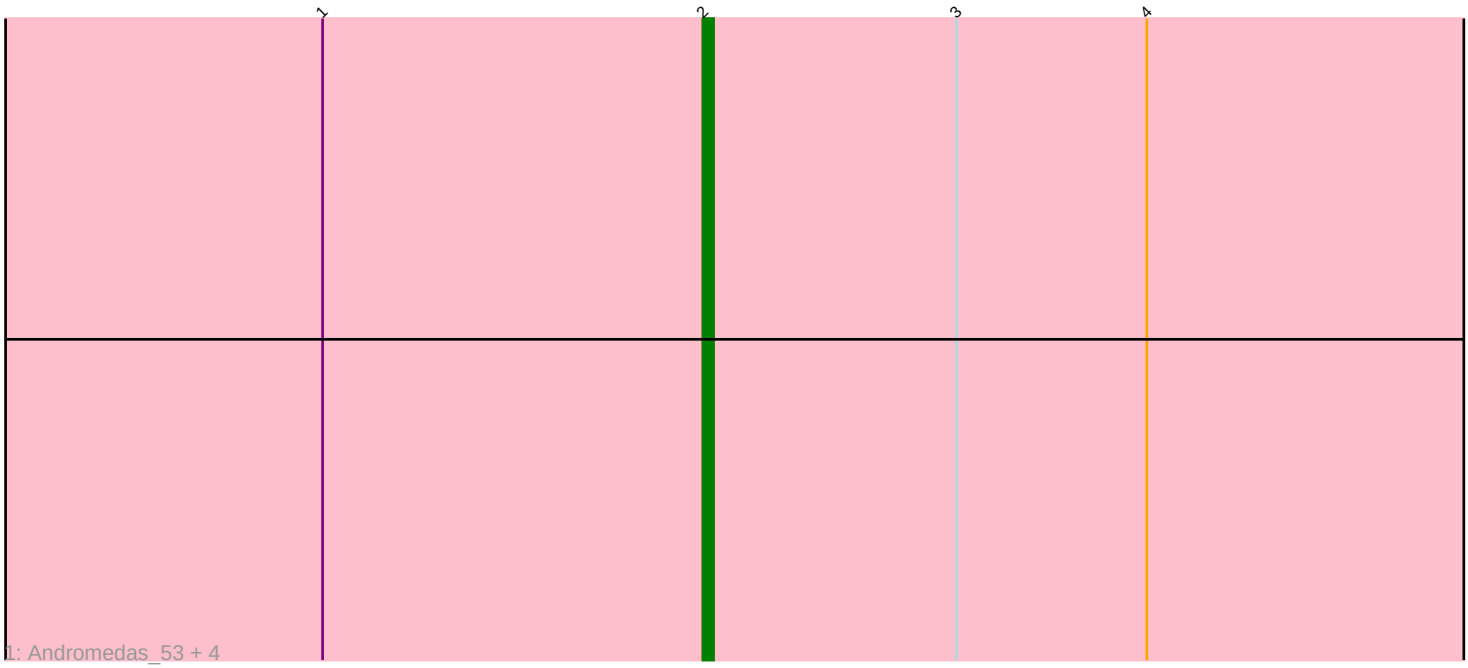
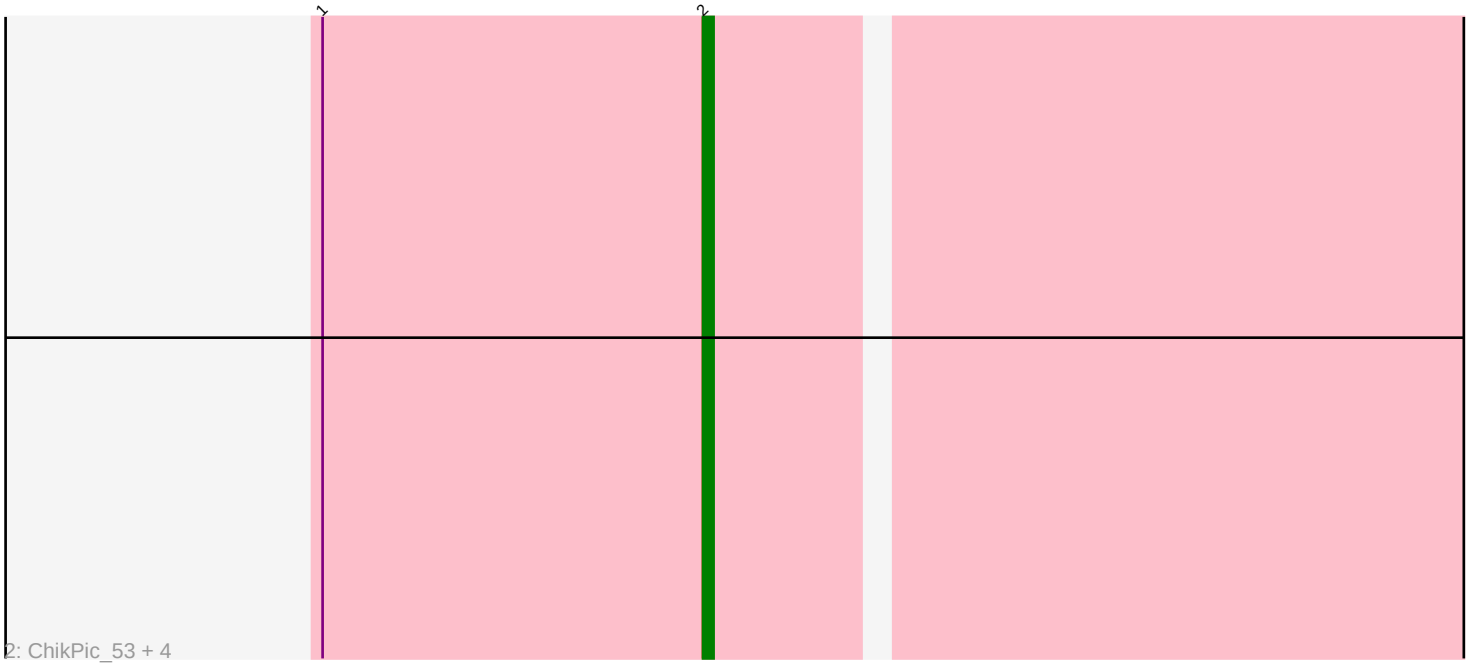
Pham 225101





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 225101 Report

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

Pham number 225101 has 10 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Andromedas_53, Eleri_53, PSirce_52, Saratos_53, ColaCorta_53
• Track 2 : ChikPic_53, Zenitsu_53, Finny_54, Phanita_52, MCubed_53

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Andromedas_53, ChikPic_53, ColaCorta_53, Eleri_53, Finny_54, MCubed_53, PSirce_52, Phanita_52, Saratos_53, Zenitsu_53,

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 2:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Andromedas_53 (EA2), ChikPic_53 (EA2), ColaCorta_53 (EA2), Eleri_53 (EA2), Finny_54 (EA2), MCubed_53 (EA2), PSirce_52 (EA2), Phanita_52 (EA2), Saratos_53 (EA2), Zenitsu_53 (EA2),

Summary by clusters:

There is one cluster represented in this pham: EA2

Info for manual annotations of cluster EA2:
•Start number 2 was manually annotated 8 times for cluster EA2.

Gene Information:

Gene: Andromedas_53 Start: 36580, Stop: 36368, Start Num: 2
Candidate Starts for Andromedas_53:
(1, 36616), (Start: 2 @36580 has 8 MA's), (3, 36556), (4, 36538),

Gene: ChikPic_53 Start: 36428, Stop: 36222, Start Num: 2
Candidate Starts for ChikPic_53:
(1, 36464), (Start: 2 @36428 has 8 MA's),

Gene: ColaCorta_53 Start: 36580, Stop: 36368, Start Num: 2
Candidate Starts for ColaCorta_53:
(1, 36616), (Start: 2 @36580 has 8 MA's), (3, 36556), (4, 36538),

Gene: Eleri_53 Start: 36425, Stop: 36213, Start Num: 2
Candidate Starts for Eleri_53:
(1, 36461), (Start: 2 @36425 has 8 MA's), (3, 36401), (4, 36383),

Gene: Finny_54 Start: 36412, Stop: 36206, Start Num: 2
Candidate Starts for Finny_54:
(1, 36448), (Start: 2 @36412 has 8 MA's),

Gene: MCubed_53 Start: 36443, Stop: 36237, Start Num: 2
Candidate Starts for MCubed_53:
(1, 36479), (Start: 2 @36443 has 8 MA's),

Gene: PSirce_52 Start: 36579, Stop: 36367, Start Num: 2
Candidate Starts for PSirce_52:
(1, 36615), (Start: 2 @36579 has 8 MA's), (3, 36555), (4, 36537),

Gene: Phanita_52 Start: 36355, Stop: 36149, Start Num: 2
Candidate Starts for Phanita_52:
(1, 36391), (Start: 2 @36355 has 8 MA's),

Gene: Saratos_53 Start: 36409, Stop: 36197, Start Num: 2
Candidate Starts for Saratos_53:
(1, 36445), (Start: 2 @36409 has 8 MA's), (3, 36385), (4, 36367),

Gene: Zenitsu_53 Start: 36448, Stop: 36242, Start Num: 2
Candidate Starts for Zenitsu_53:
(1, 36484), (Start: 2 @36448 has 8 MA's),