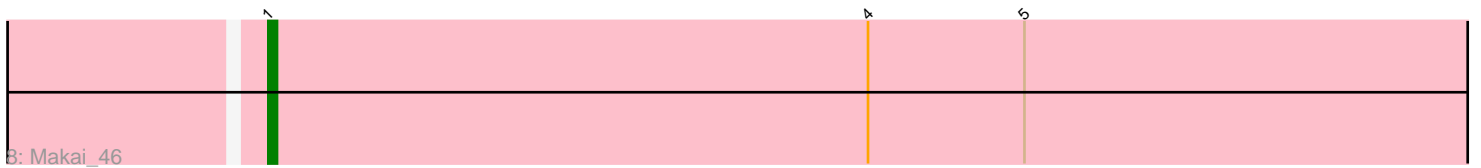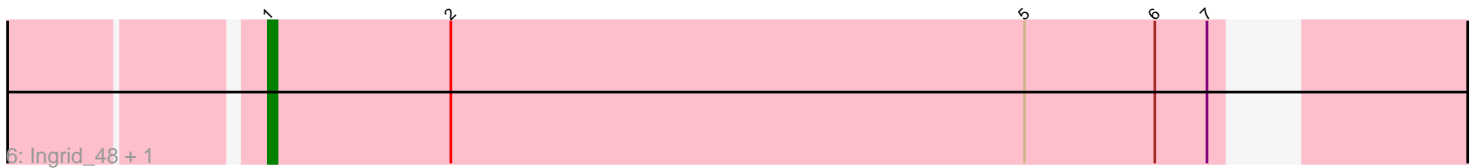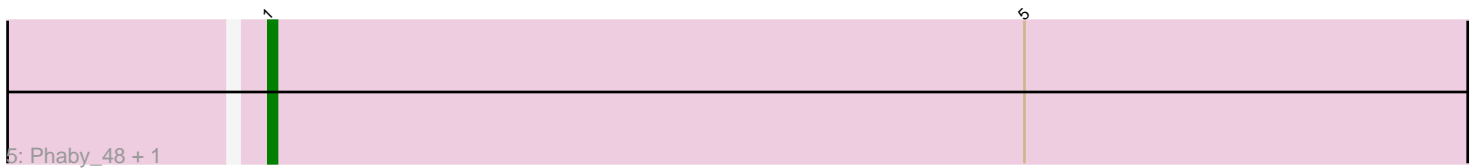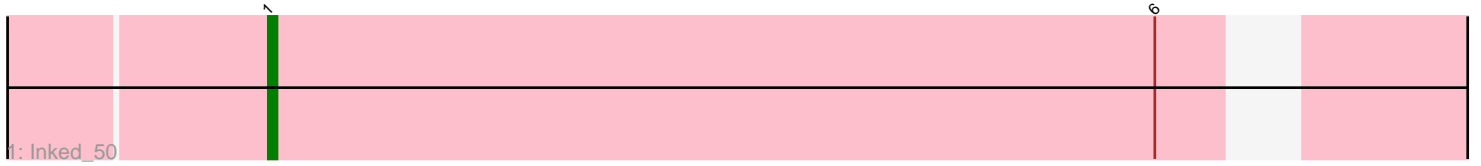# Pham 170456

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 170456 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170456 has 12 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Inked_50
• Track 2 : Giantsbane_48
• Track 3 : Tokki_51
• Track 4 : Shepard_50
• Track 5 : Phaby_48, LilHuddy_48
• Track 6 : Ingrid_48, Loretta_48
• Track 7 : Caterpillar_43, MediumFry_44
• Track 8 : Makai_46
• Track 9 : Truckee_44

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 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Caterpillar_43, Giantsbane_48, Ingrid_48, Inked_50, LilHuddy_48, Loretta_48, Makai_46, MediumFry_44, Phaby_48, Shepard_50, Tokki_51, Truckee_44,

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 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Caterpillar_43 (AU4), Giantsbane_48 (AU2), Ingrid_48 (AU3), Inked_50 (AU), LilHuddy_48 (AU2), Loretta_48 (AU3), Makai_46 (AU5), MediumFry_44 (AU4), Phaby_48 (AU2), Shepard_50 (AU2),

Tokki_51 (AU2), Truckee_44 (AU5),

Summary by clusters:

There are 5 clusters represented in this pham: AU5, AU3, AU2, AU, AU4,

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

Info for manual annotations of cluster AU2:
•Start number 1 was manually annotated 4 times for cluster AU2.

Info for manual annotations of cluster AU3:
•Start number 1 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU4:
•Start number 1 was manually annotated 2 times for cluster AU4.

Info for manual annotations of cluster AU5:
•Start number 1 was manually annotated 2 times for cluster AU5.

Gene Information:
Gene: Caterpillar_43 Start: 33489, Stop: 33626, Start Num: 1
Candidate Starts for Caterpillar_43:
(Start: 1 @33489 has 11 MA's), (4, 33558),

Gene: Giantsbane_48 Start: 33565, Stop: 33705, Start Num: 1
Candidate Starts for Giantsbane_48:
(Start: 1 @33565 has 11 MA's),

Gene: Ingrid_48 Start: 34313, Stop: 34441, Start Num: 1
Candidate Starts for Ingrid_48:
(Start: 1 @34313 has 11 MA's), (2, 34334), (5, 34400), (6, 34415), (7, 34421),

Gene: Inked_50 Start: 35444, Stop: 35572, Start Num: 1
Candidate Starts for Inked_50:
(Start: 1 @35444 has 11 MA's), (6, 35546),

Gene: LilHuddy_48 Start: 34521, Stop: 34658, Start Num: 1
Candidate Starts for LilHuddy_48:
(Start: 1 @34521 has 11 MA's), (5, 34608),

Gene: Loretta_48 Start: 34313, Stop: 34441, Start Num: 1
Candidate Starts for Loretta_48:
(Start: 1 @34313 has 11 MA's), (2, 34334), (5, 34400), (6, 34415), (7, 34421),

Gene: Makai_46 Start: 34498, Stop: 34635, Start Num: 1
Candidate Starts for Makai_46:
(Start: 1 @34498 has 11 MA's), (4, 34567), (5, 34585),

Gene: MediumFry_44 Start: 33794, Stop: 33931, Start Num: 1
Candidate Starts for MediumFry_44:
(Start: 1 @33794 has 11 MA's), (4, 33863),

Gene: Phaby_48 Start: 35065, Stop: 35202, Start Num: 1
Candidate Starts for Phaby_48:
(Start: 1 @35065 has 11 MA's), (5, 35152),

Gene: Shepard_50 Start: 34596, Stop: 34736, Start Num: 1
Candidate Starts for Shepard_50:
(Start: 1 @34596 has 11 MA's),

Gene: Tokki_51 Start: 34693, Stop: 34830, Start Num: 1
Candidate Starts for Tokki_51:
(Start: 1 @34693 has 11 MA's), (3, 34717), (5, 34780), (6, 34795),

Gene: Truckee_44 Start: 34288, Stop: 34425, Start Num: 1
Candidate Starts for Truckee_44:
(Start: 1 @34288 has 11 MA's), (4, 34357), (5, 34375),