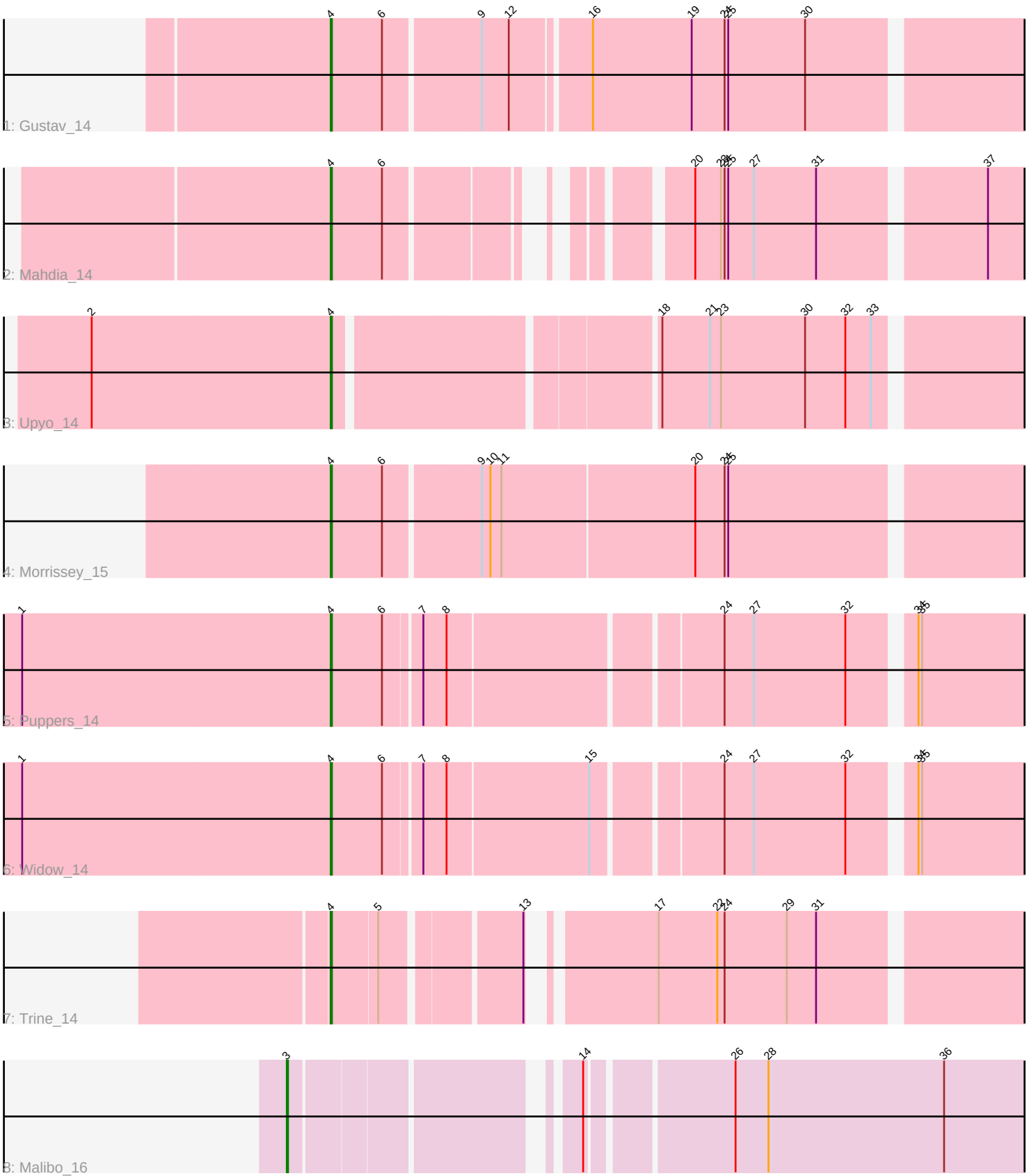
Pham 132597


1: Gustav_14
2: Mahdia_14
3: Upyo_14
4: Morrissey_15
5: Puppers_14
6: Widow_14
7: Trine_14
8: Malibo_16

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 132597 Report

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

Pham number 132597 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Gustav_14
• Track 2 : Mahdia_14
• Track 3 : Upyo_14
• Track 4 : Morrissey_15
• Track 5 : Puppers_14
• Track 6 : Widow_14
• Track 7 : Trine_14
• Track 8 : Malibo_16

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

Genes that call this "Most Annotated" start:
• Gustav_14, Mahdia_14, Morrissey_15, Puppers_14, Trine_14, Upyo_14, Widow_14,

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

Genes that do not have the "Most Annotated" start:
• Malibo_16,

Summary by start number:

Start 3:
• Found in 1 of 8 (12.5%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Malibo_16 (DW),

Start 4:
• Found in 7 of 8 (87.5%) of genes in pham

• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Gustav_14 (CD), Mahdia_14 (CD), Morrissey_15 (CD), Puppers_14 (CD), Trine_14 (CD), Upyo_14 (CD), Widow_14 (CD),

Summary by clusters:

There are 2 clusters represented in this pham: DW, CD,

Info for manual annotations of cluster CD:
•Start number 4 was manually annotated 7 times for cluster CD.

Info for manual annotations of cluster DW:
•Start number 3 was manually annotated 1 time for cluster DW.

Gene Information:

Gene: Gustav_14 Start: 8845, Stop: 9381, Start Num: 4
Candidate Starts for Gustav_14:
(Start: 4 @8845 has 7 MA's), (6, 8887), (9, 8959), (12, 8980), (16, 9040), (19, 9121), (24, 9148), (25, 9151), (30, 9214),

Gene: Mahdia_14 Start: 8824, Stop: 9300, Start Num: 4
Candidate Starts for Mahdia_14:
(Start: 4 @8824 has 7 MA's), (6, 8866), (20, 9043), (23, 9064), (24, 9067), (25, 9070), (27, 9091), (31, 9142), (37, 9268),

Gene: Malibo_16 Start: 9627, Stop: 10175, Start Num: 3
Candidate Starts for Malibo_16:
(Start: 3 @9627 has 1 MA's), (14, 9828), (26, 9936), (28, 9963), (36, 10107),

Gene: Morrissey_15 Start: 9186, Stop: 9728, Start Num: 4
Candidate Starts for Morrissey_15:
(Start: 4 @9186 has 7 MA's), (6, 9228), (9, 9300), (10, 9306), (11, 9315), (20, 9471), (24, 9495), (25, 9498),

Gene: Puppers_14 Start: 8726, Stop: 9256, Start Num: 4
Candidate Starts for Puppers_14:
(1, 8477), (Start: 4 @8726 has 7 MA's), (6, 8768), (7, 8795), (8, 8813), (24, 9023), (27, 9047), (32, 9122), (34, 9167), (35, 9170),

Gene: Trine_14 Start: 8732, Stop: 9235, Start Num: 4
Candidate Starts for Trine_14:
(Start: 4 @8732 has 7 MA's), (5, 8768), (13, 8867), (17, 8948), (22, 8996), (24, 9002), (29, 9053), (31, 9077),

Gene: Upyo_14 Start: 8842, Stop: 9366, Start Num: 4
Candidate Starts for Upyo_14:
(2, 8647), (Start: 4 @8842 has 7 MA's), (18, 9082), (21, 9121), (23, 9130), (30, 9199), (32, 9232), (33, 9253),

Gene: Widow_14 Start: 8717, Stop: 9247, Start Num: 4
Candidate Starts for Widow_14:
(1, 8468), (Start: 4 @8717 has 7 MA's), (6, 8759), (7, 8786), (8, 8804), (15, 8918), (24, 9014), (27, 9038), (32, 9113), (34, 9158), (35, 9161),