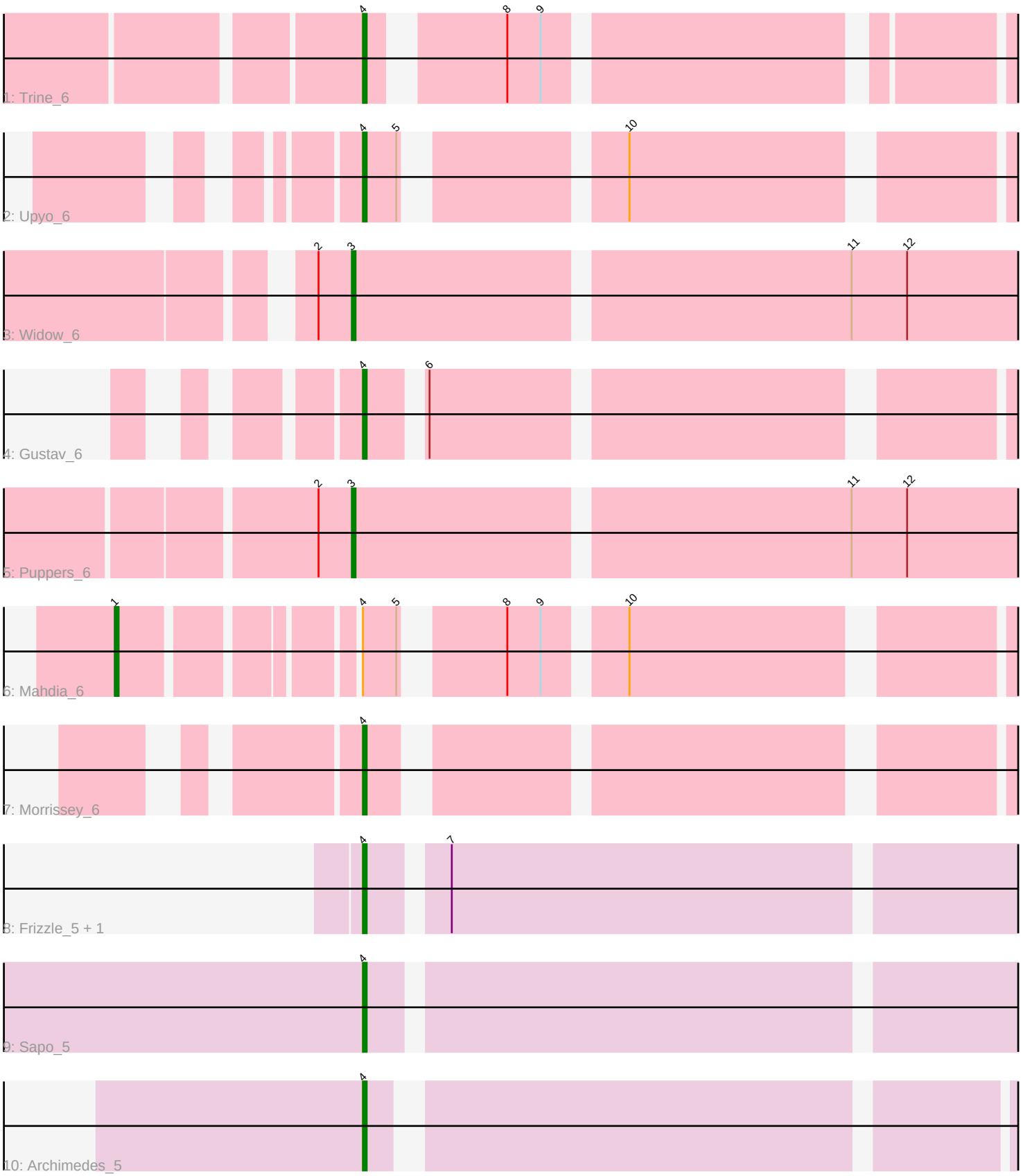
# Pham 195872


4
8
9
1: Trine_6
4
5
10
2: Upyo_6
2
3
11
12
3: Widow_6
4
6
4: Gustav_6
2
3
11
12
5: Puppers_6
1
4
5
8
9
10
6: Mahdia_6
4
7: Morrissey_6
4
7
8: Frizzle_5 + 1
4
9: Sapo_5
4
10: Archimedes_5

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 195872 Report

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

Pham number 195872 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Trine_6
• Track 2 : Upyo_6
• Track 3 : Widow_6
• Track 4 : Gustav_6
• Track 5 : Puppers_6
• Track 6 : Mahdia_6
• Track 7 : Morrissey_6
• Track 8 : Frizzle_5, Ghobes_5
• Track 9 : Sapo_5
• Track 10 : Archimedes_5

***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 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Archimedes_5, Frizzle_5, Ghobes_5, Gustav_6, Morrissey_6, Sapo_5, Trine_6, Upyo_6,

Genes that have the "Most Annotated" start but do not call it:
• Mahdia_6,

Genes that do not have the "Most Annotated" start:
• Puppers_6, Widow_6,

**Summary by start number:**

Start 1:
• Found in 1 of 11 ( 9.1% ) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mahdia_6 (CD),

Start 3:
• Found in 2 of 11 ( 18.2% ) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Puppers_6 (CD), Widow_6 (CD),

Start 4:
• Found in 9 of 11 ( 81.8% ) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Archimedes_5 (DA), Frizzle_5 (DA), Ghobes_5 (DA), Gustav_6 (CD), Morrissey_6 (CD), Sapo_5 (DA), Trine_6 (CD), Upyo_6 (CD),

**Summary by clusters:**

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

Info for manual annotations of cluster CD:
•Start number 1 was manually annotated 1 time for cluster CD.
•Start number 3 was manually annotated 2 times for cluster CD.
•Start number 4 was manually annotated 4 times for cluster CD.

Info for manual annotations of cluster DA:
•Start number 4 was manually annotated 3 times for cluster DA.

***Gene Information:***

Gene: Archimedes_5 Start: 5220, Stop: 5387, Start Num: 4
Candidate Starts for Archimedes_5:
(Start: 4 @5220 has 7 MA's),

Gene: Frizzle_5 Start: 5267, Stop: 5443, Start Num: 4
Candidate Starts for Frizzle_5:
(Start: 4 @5267 has 7 MA's), (7, 5285),

Gene: Ghobes_5 Start: 5267, Stop: 5443, Start Num: 4
Candidate Starts for Ghobes_5:
(Start: 4 @5267 has 7 MA's), (7, 5285),

Gene: Gustav_6 Start: 5862, Stop: 6029, Start Num: 4
Candidate Starts for Gustav_6:
(Start: 4 @5862 has 7 MA's), (6, 5874),

Gene: Mahdia_6 Start: 5826, Stop: 6041, Start Num: 1
Candidate Starts for Mahdia_6:
(Start: 1 @5826 has 1 MA's), (Start: 4 @5880 has 7 MA's), (5, 5889), (8, 5910), (9, 5919), (10, 5937),

Gene: Morrissey_6 Start: 5871, Stop: 6029, Start Num: 4
Candidate Starts for Morrissey_6:
(Start: 4 @5871 has 7 MA's),

Gene: Puppers_6 Start: 5783, Stop: 5965, Start Num: 3
Candidate Starts for Puppers_6:
(2, 5774), (Start: 3 @5783 has 2 MA's), (11, 5912), (12, 5927),

Gene: Sapo_5 Start: 5262, Stop: 5438, Start Num: 4
Candidate Starts for Sapo_5:
(Start: 4 @5262 has 7 MA's),

Gene: Trine_6 Start: 5823, Stop: 5981, Start Num: 4
Candidate Starts for Trine_6:
(Start: 4 @5823 has 7 MA's), (8, 5853), (9, 5862),

Gene: Upyo_6 Start: 5831, Stop: 5995, Start Num: 4
Candidate Starts for Upyo_6:
(Start: 4 @5831 has 7 MA's), (5, 5840), (10, 5888),

Gene: Widow_6 Start: 5774, Stop: 5956, Start Num: 3
Candidate Starts for Widow_6:
(2, 5765), (Start: 3 @5774 has 2 MA's), (11, 5903), (12, 5918),