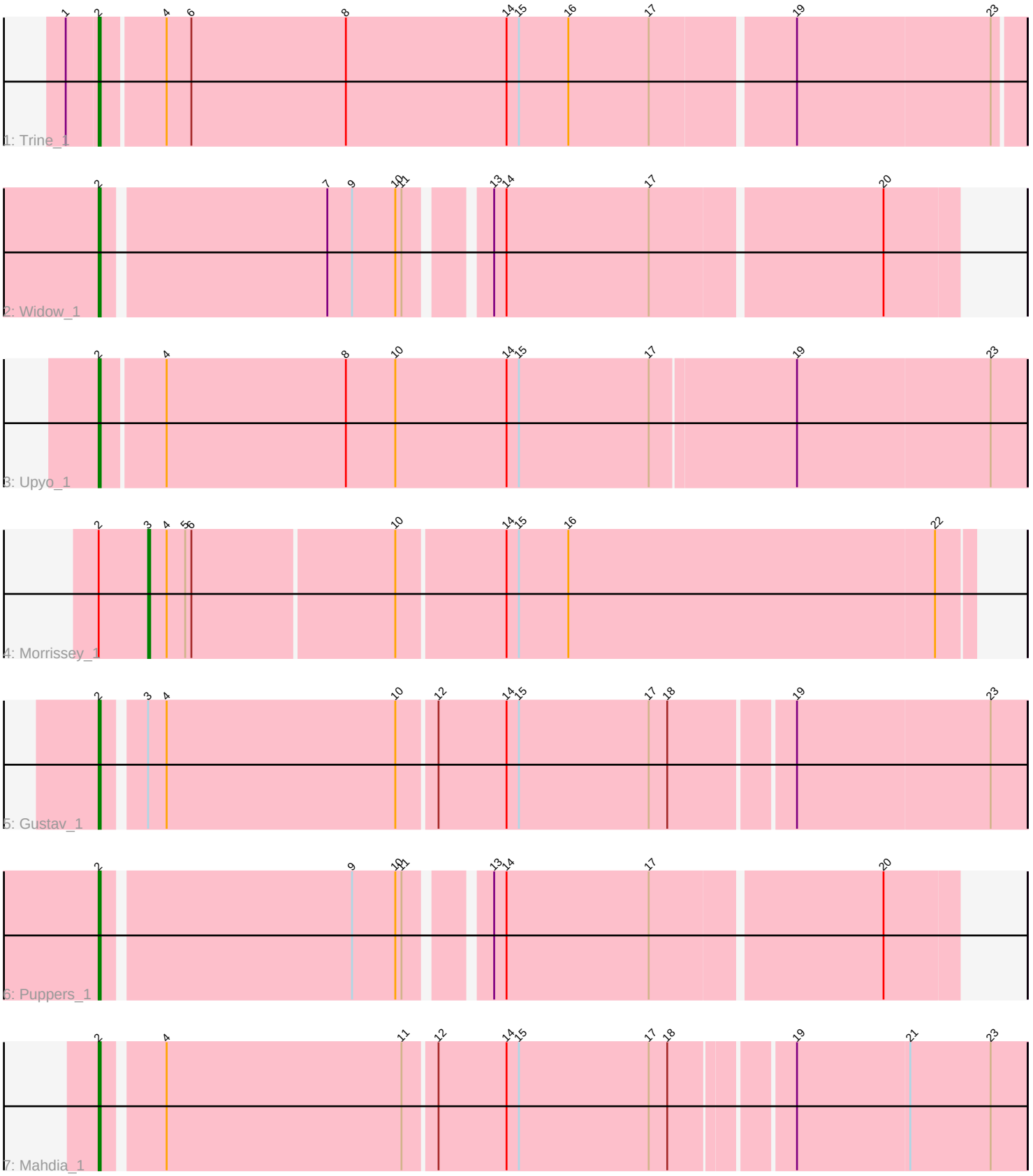
Pham 6849


1: Trine_1
2: Widow_1
3: Upyo_1
4: Morrissey_1
5: Gustav_1
6: Puppers_1
7: Mahdia_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 6849 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6849 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Trine_1
• Track 2 : Widow_1
• Track 3 : Upyo_1
• Track 4 : Morrissey_1
• Track 5 : Gustav_1
• Track 6 : Puppers_1
• Track 7 : Mahdia_1

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

Genes that call this "Most Annotated" start:
• Gustav_1, Mahdia_1, Puppers_1, Trine_1, Upyo_1, Widow_1,

Genes that have the "Most Annotated" start but do not call it:
• Morrissey_1,

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

Summary by start number:

Start 2:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Gustav_1 (CD), Mahdia_1 (CD), Puppers_1 (CD), Trine_1 (CD), Upyo_1 (CD), Widow_1 (CD),

Start 3:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 7

• Called 50.0% of time when present
• Phage (with cluster) where this start called: Morrissey_1 (CD),

Summary by clusters:

There is one cluster represented in this pham: CD

Info for manual annotations of cluster CD:
•Start number 2 was manually annotated 6 times for cluster CD.
•Start number 3 was manually annotated 1 time for cluster CD.

Gene Information:

Gene: Gustav_1 Start: 123, Stop: 557, Start Num: 2
Candidate Starts for Gustav_1:
(Start: 2 @123 has 6 MA's), (Start: 3 @141 has 1 MA's), (4, 150), (10, 261), (12, 279), (14, 312), (15, 318), (17, 381), (18, 390), (19, 447), (23, 540),

Gene: Mahdia_1 Start: 125, Stop: 556, Start Num: 2
Candidate Starts for Mahdia_1:
(Start: 2 @125 has 6 MA's), (4, 152), (11, 266), (12, 281), (14, 314), (15, 320), (17, 383), (18, 392), (19, 446), (21, 500), (23, 539),

Gene: Morrissey_1 Start: 148, Stop: 540, Start Num: 3
Candidate Starts for Morrissey_1:
(Start: 2 @124 has 6 MA's), (Start: 3 @148 has 1 MA's), (4, 157), (5, 166), (6, 169), (10, 265), (14, 316), (15, 322), (16, 346), (22, 523),

Gene: Puppers_1 Start: 93, Stop: 485, Start Num: 2
Candidate Starts for Puppers_1:
(Start: 2 @93 has 6 MA's), (9, 210), (10, 231), (11, 234), (13, 267), (14, 273), (17, 342), (20, 450),

Gene: Trine_1 Start: 111, Stop: 548, Start Num: 2
Candidate Starts for Trine_1:
(1, 96), (Start: 2 @111 has 6 MA's), (4, 141), (6, 153), (8, 228), (14, 306), (15, 312), (16, 336), (17, 375), (19, 441), (23, 534),

Gene: Upyo_1 Start: 112, Stop: 555, Start Num: 2
Candidate Starts for Upyo_1:
(Start: 2 @112 has 6 MA's), (4, 142), (8, 229), (10, 253), (14, 307), (15, 313), (17, 376), (19, 445), (23, 538),

Gene: Widow_1 Start: 93, Stop: 485, Start Num: 2
Candidate Starts for Widow_1:
(Start: 2 @93 has 6 MA's), (7, 198), (9, 210), (10, 231), (11, 234), (13, 267), (14, 273), (17, 342), (20, 450),