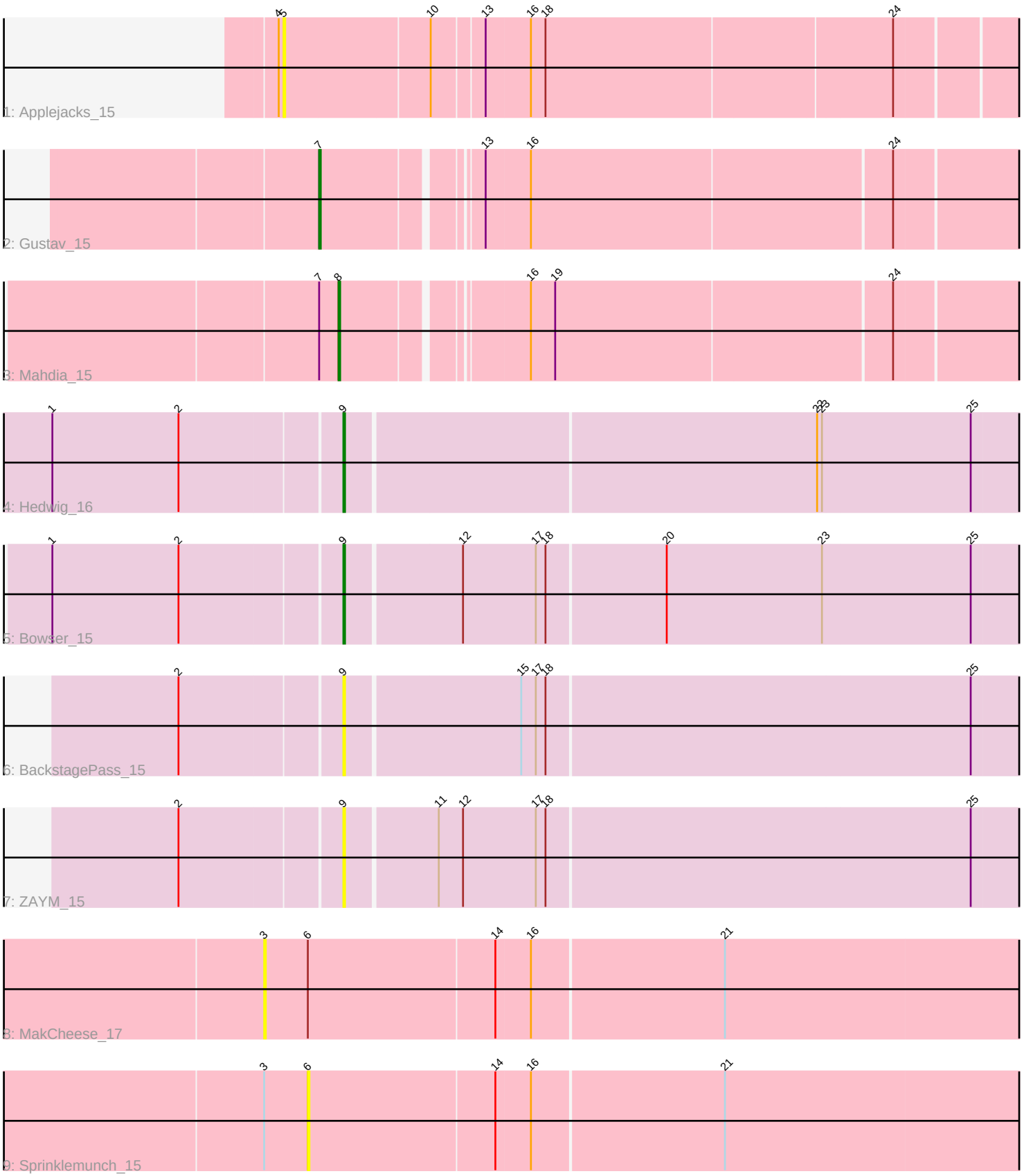
Pham 278880


4
5
10
13
16
18
24
1: Applejacks_15
7
13
16
24
2: Gustav_15
7
8
16
19
24
3: Mahdia_15
1
2
9
22
23
25
4: Hedwig_16
1
2
9
12
17
18
20
23
25
5: Bowser_15
2
9
15
17
18
25
6: BackstagePass_15
2
9
11
12
17
18
25
7: ZAYM_15
3
6
14
16
21
8: MakCheese_17
3
6
14
16
21
9: Sprinklemunch_15

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 278880 Report

This analysis was run 02/07/26 on database version 634.

Pham number 278880 has 9 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Applejacks_15
• Track 2 : Gustav_15
• Track 3 : Mahdia_15
• Track 4 : Hedwig_16
• Track 5 : Bowser_15
• Track 6 : BackstagePass_15
• Track 7 : ZAYM_15
• Track 8 : MakCheese_17
• Track 9 : Sprinklemunch_15

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 9, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BackstagePass_15, Bowser_15, Hedwig_16, ZAYM_15,

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

Genes that do not have the "Most Annotated" start:
• Applejacks_15, Gustav_15, Mahdia_15, MakCheese_17, Sprinklemunch_15,

Summary by start number:

Start 3:
• Found in 2 of 9 (22.2%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: MakCheese_17 (DW),

Start 5:
• Found in 1 of 9 (11.1%) of genes in pham

• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Applejacks_15 (CD),

Start 6:
• Found in 2 of 9 (22.2%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Sprinklemunch_15 (DW),

Start 7:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Gustav_15 (CD),

Start 8:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mahdia_15 (CD),

Start 9:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BackstagePass_15 (DB), Bowser_15 (DB), Hedwig_16 (DB), ZAYM_15 (DB),

Summary by clusters:

There are 3 clusters represented in this pham: DW, DB, CD,

Info for manual annotations of cluster CD:
•Start number 7 was manually annotated 1 time for cluster CD.
•Start number 8 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster DB:
•Start number 9 was manually annotated 2 times for cluster DB.

Gene Information:

Gene: Applejacks_15 Start: 9288, Stop: 9719, Start Num: 5
Candidate Starts for Applejacks_15:
(4, 9285), (5, 9288), (10, 9375), (13, 9405), (16, 9432), (18, 9441), (24, 9648),

Gene: BackstagePass_15 Start: 9647, Stop: 10060, Start Num: 9
Candidate Starts for BackstagePass_15:
(2, 9551), (Start: 9 @9647 has 2 MA's), (15, 9752), (17, 9761), (18, 9767), (25, 10025),

Gene: Bowser_15 Start: 9678, Stop: 10091, Start Num: 9
Candidate Starts for Bowser_15:
(1, 9504), (2, 9582), (Start: 9 @9678 has 2 MA's), (12, 9747), (17, 9792), (18, 9798), (20, 9870), (23, 9966), (25, 10056),

Gene: Gustav_15 Start: 9420, Stop: 9824, Start Num: 7
Candidate Starts for Gustav_15:
(Start: 7 @9420 has 1 MA's), (13, 9507), (16, 9534), (24, 9750),

Gene: Hedwig_16 Start: 10100, Stop: 10513, Start Num: 9
Candidate Starts for Hedwig_16:
(1, 9926), (2, 10004), (Start: 9 @10100 has 2 MA's), (22, 10385), (23, 10388), (25, 10478),

Gene: Mahdia_15 Start: 9351, Stop: 9743, Start Num: 8
Candidate Starts for Mahdia_15:
(Start: 7 @9339 has 1 MA's), (Start: 8 @9351 has 1 MA's), (16, 9453), (19, 9468), (24, 9669),

Gene: MakCheese_17 Start: 9459, Stop: 9935, Start Num: 3
Candidate Starts for MakCheese_17:
(3, 9459), (6, 9486), (14, 9600), (16, 9621), (21, 9738),

Gene: Sprinklemunch_15 Start: 9520, Stop: 9969, Start Num: 6
Candidate Starts for Sprinklemunch_15:
(3, 9493), (6, 9520), (14, 9634), (16, 9655), (21, 9772),

Gene: ZAYM_15 Start: 10021, Stop: 10434, Start Num: 9
Candidate Starts for ZAYM_15:
(2, 9925), (Start: 9 @10021 has 2 MA's), (11, 10075), (12, 10090), (17, 10135), (18, 10141), (25, 10399),