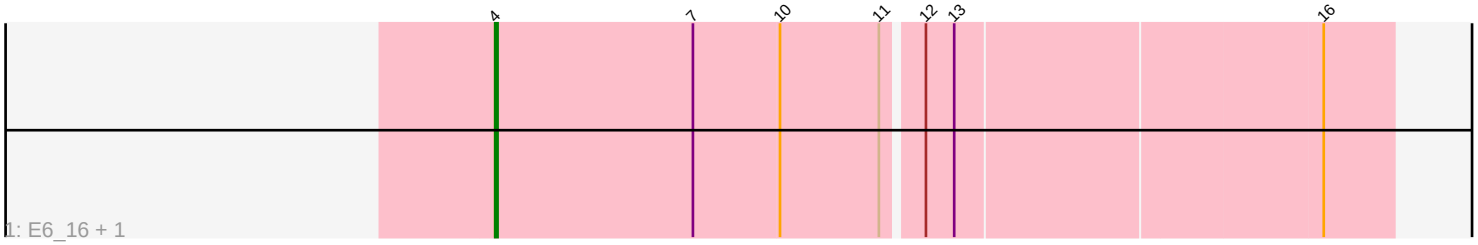
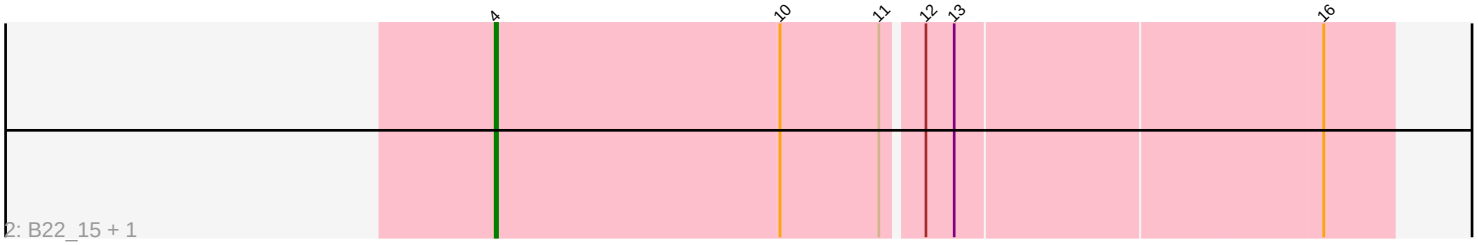
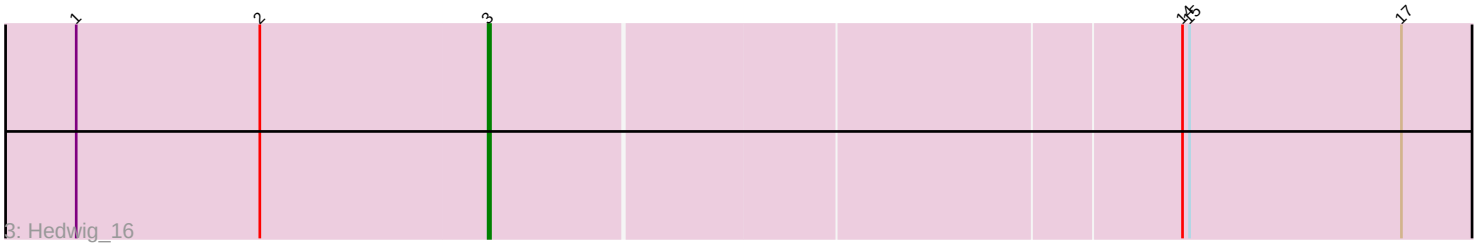
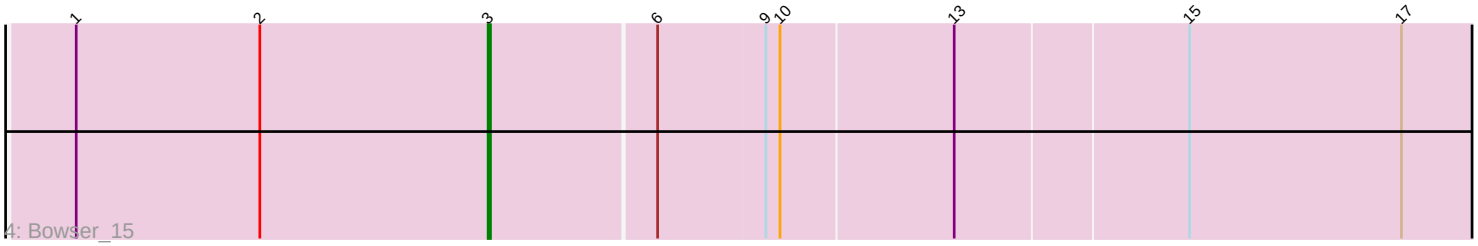
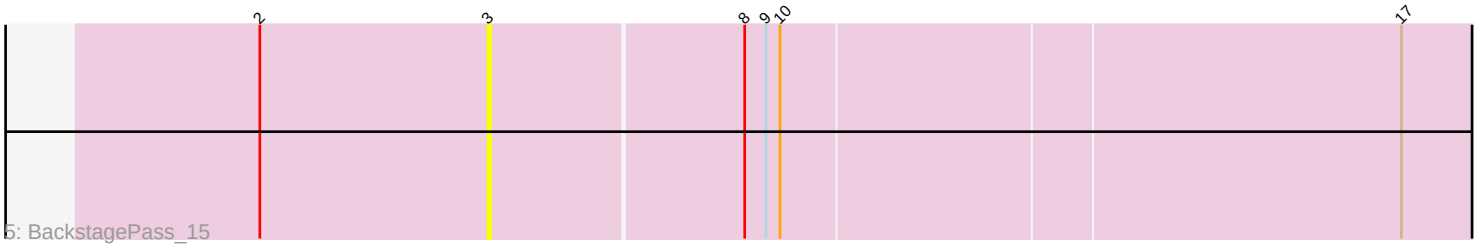
Pham 197086

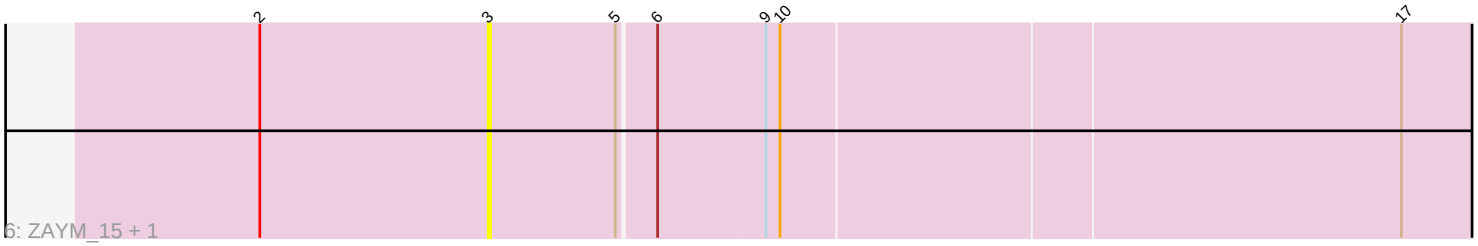

4
7
10
11
12
13
16
1: E6_16 + 1


4
10
11
12
13
16
2: B22_15 + 1


1
2
3
14
15
17
3: Hedwig_16


1
2
3
6
9
10
13
15
17
4: Bowser_15


2
3
8
9
10
17
5: BackstagePass_15


2
3
5
6
9
10
17
6: ZAYM_15 + 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 197086 Report

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

Pham number 197086 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : E6_16, Doucette_15
• Track 2 : B22_15, G4_15
• Track 3 : Hedwig_16
• Track 4 : Bowser_15
• Track 5 : BackstagePass_15
• Track 6 : ZAYM_15, TaronosaurasRx_15

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

Genes that call this "Most Annotated" start:
• B22_15, Doucette_15, E6_16, G4_15,

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

Genes that do not have the "Most Annotated" start:
• BackstagePass_15, Bowser_15, Hedwig_16, TaronosaurasRx_15, ZAYM_15,

Summary by start number:

Start 3:
• Found in 5 of 9 (55.6%) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BackstagePass_15 (DB), Bowser_15 (DB), Hedwig_16 (DB), TaronosaurasRx_15 (DB), ZAYM_15 (DB),

Start 4:
• Found in 4 of 9 (44.4%) of genes in pham
• Manual Annotations of this start: 4 of 6
• Called 100.0% of time when present

• Phage (with cluster) where this start called: B22_15 (BW), Doucette_15 (BW), E6_16 (BW), G4_15 (BW),

Summary by clusters:

There are 2 clusters represented in this pham: BW, DB,

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

Info for manual annotations of cluster DB:
•Start number 3 was manually annotated 2 times for cluster DB.

Gene Information:

Gene: B22_15 Start: 9378, Stop: 9746, Start Num: 4
Candidate Starts for B22_15:
(Start: 4 @9378 has 4 MA's), (10, 9498), (11, 9540), (12, 9555), (13, 9567), (16, 9717),

Gene: BackstagePass_15 Start: 9647, Stop: 10060, Start Num: 3
Candidate Starts for BackstagePass_15:
(2, 9551), (Start: 3 @9647 has 2 MA's), (8, 9752), (9, 9761), (10, 9767), (17, 10025),

Gene: Bowser_15 Start: 9678, Stop: 10091, Start Num: 3
Candidate Starts for Bowser_15:
(1, 9504), (2, 9582), (Start: 3 @9678 has 2 MA's), (6, 9747), (9, 9792), (10, 9798), (13, 9870), (15, 9966), (17, 10056),

Gene: Doucette_15 Start: 9437, Stop: 9805, Start Num: 4
Candidate Starts for Doucette_15:
(Start: 4 @9437 has 4 MA's), (7, 9521), (10, 9557), (11, 9599), (12, 9614), (13, 9626), (16, 9776),

Gene: E6_16 Start: 9485, Stop: 9853, Start Num: 4
Candidate Starts for E6_16:
(Start: 4 @9485 has 4 MA's), (7, 9569), (10, 9605), (11, 9647), (12, 9662), (13, 9674), (16, 9824),

Gene: G4_15 Start: 9427, Stop: 9795, Start Num: 4
Candidate Starts for G4_15:
(Start: 4 @9427 has 4 MA's), (10, 9547), (11, 9589), (12, 9604), (13, 9616), (16, 9766),

Gene: Hedwig_16 Start: 10100, Stop: 10513, Start Num: 3
Candidate Starts for Hedwig_16:
(1, 9926), (2, 10004), (Start: 3 @10100 has 2 MA's), (14, 10385), (15, 10388), (17, 10478),

Gene: TaronosaurasRx_15 Start: 10029, Stop: 10442, Start Num: 3
Candidate Starts for TaronosaurasRx_15:
(2, 9933), (Start: 3 @10029 has 2 MA's), (5, 10083), (6, 10098), (9, 10143), (10, 10149), (17, 10407),

Gene: ZAYM_15 Start: 10021, Stop: 10434, Start Num: 3
Candidate Starts for ZAYM_15:
(2, 9925), (Start: 3 @10021 has 2 MA's), (5, 10075), (6, 10090), (9, 10135), (10, 10141), (17, 10399),