Pham 7764

1: Alsfro_65

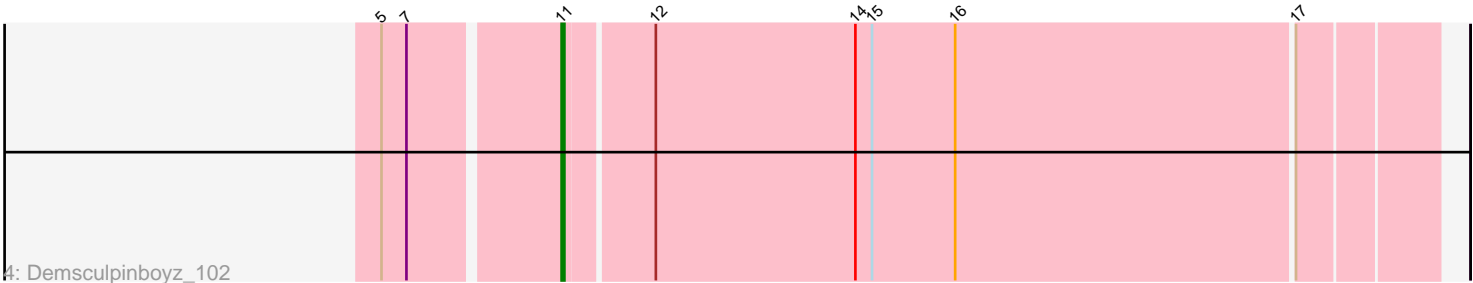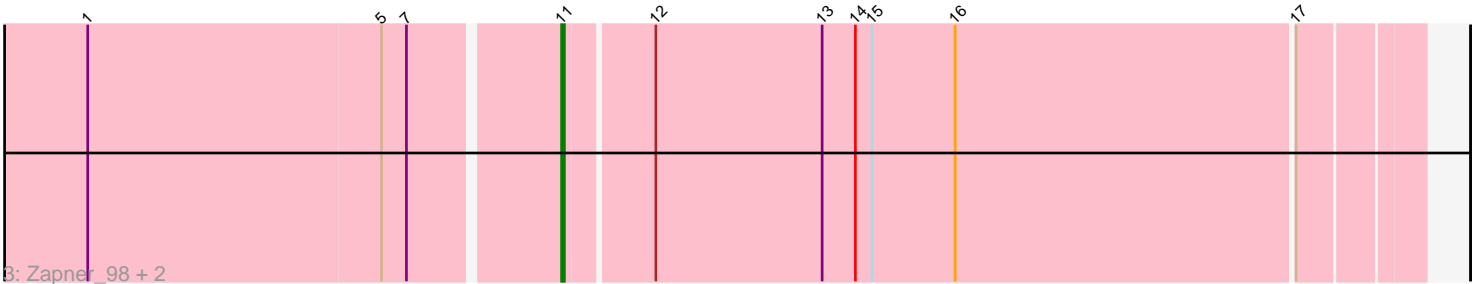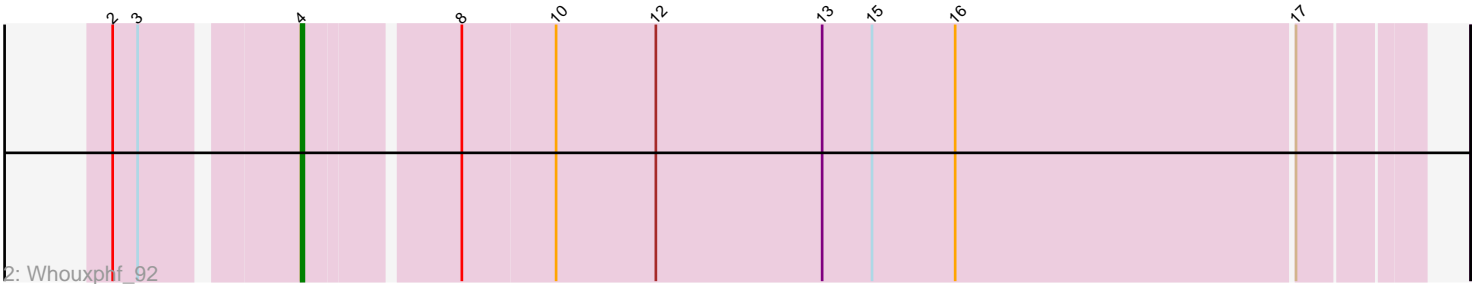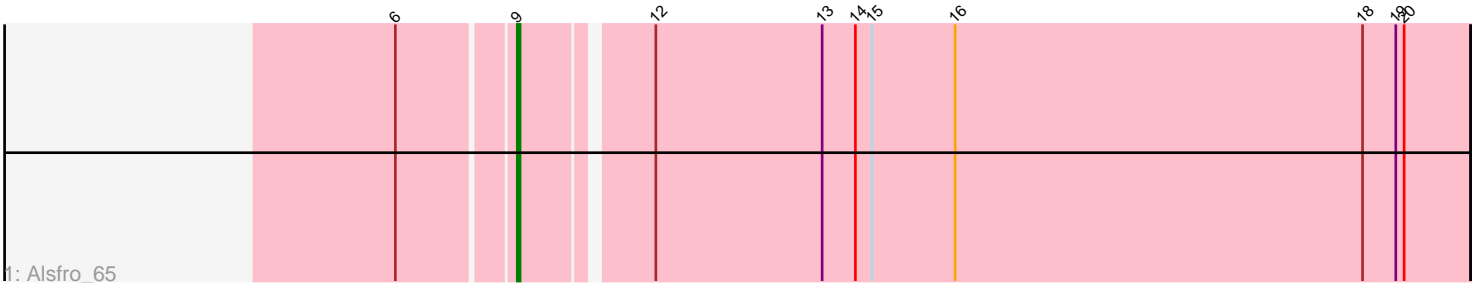2: Whouxphf_92

3: Zapner_98 + 2

4: Demsculpinboyz_102

5: Yoshi_103

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 7764 Report

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

Pham number 7764 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Alsfro_65
• Track 2 : Whouxphf_92
• Track 3 : Zapner_98, Jabbawokkie_98, Blarby_99
• Track 4 : Demsculpinboyz_102
• Track 5 : Yoshi_103

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

The start number called the most often in the published annotations is 11, it was called in 4 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Blarby_99, Demsculpinboyz_102, Jabbawokkie_98, Yoshi_103, Zapner_98,

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

Genes that do not have the "Most Annotated" start:
• Alsfro_65, Whouxphf_92,

Summary by start number:

Start 4:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Whouxphf_92 (F1),

Start 9:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alsfro_65 (A1),

Start 11:
• Found in 5 of 7 (71.4%) 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: Blarby_99 (F), Demsculpinboyz_102 (F2), Jabbawokkie_98 (F2), Yoshi_103 (F2), Zapner_98 (F2),

Summary by clusters:

There are 4 clusters represented in this pham: A1, F1, F2, F,

Info for manual annotations of cluster A1:
•Start number 9 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster F1:
•Start number 4 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F2:
•Start number 11 was manually annotated 4 times for cluster F2.

Gene Information:
Gene: Alsfro_65 Start: 40920, Stop: 40585, Start Num: 9
Candidate Starts for Alsfro_65:
(6, 40959), (Start: 9 @40920 has 1 MA's), (12, 40878), (13, 40818), (14, 40806), (15, 40800), (16, 40770), (18, 40623), (19, 40611), (20, 40608),

Gene: Blarby_99 Start: 49589, Stop: 49888, Start Num: 11
Candidate Starts for Blarby_99:
(1, 49424), (5, 49529), (7, 49538), (Start: 11 @49589 has 4 MA's), (12, 49619), (13, 49679), (14, 49691), (15, 49697), (16, 49727), (17, 49847),

Gene: Demsculpinboyz_102 Start: 50767, Stop: 51072, Start Num: 11
Candidate Starts for Demsculpinboyz_102:
(5, 50707), (7, 50716), (Start: 11 @50767 has 4 MA's), (12, 50797), (14, 50869), (15, 50875), (16, 50905), (17, 51025),

Gene: Jabbawokkie_98 Start: 49509, Stop: 49808, Start Num: 11
Candidate Starts for Jabbawokkie_98:
(1, 49344), (5, 49449), (7, 49458), (Start: 11 @49509 has 4 MA's), (12, 49539), (13, 49599), (14, 49611), (15, 49617), (16, 49647), (17, 49767),

Gene: Whouxphf_92 Start: 51763, Stop: 52152, Start Num: 4
Candidate Starts for Whouxphf_92:
(2, 51703), (3, 51712), (Start: 4 @51763 has 1 MA's), (8, 51814), (10, 51847), (12, 51883), (13, 51943), (15, 51961), (16, 51991), (17, 52111),

Gene: Yoshi_103 Start: 52689, Stop: 52988, Start Num: 11
Candidate Starts for Yoshi_103:

(5, 52629), (7, 52638), (Start: 11 @52689 has 4 MA's), (12, 52719), (13, 52779), (14, 52791), (15, 52797), (16, 52827), (17, 52947),

Gene: Zapner_98 Start: 49603, Stop: 49902, Start Num: 11
Candidate Starts for Zapner_98:
(1, 49438), (5, 49543), (7, 49552), (Start: 11 @49603 has 4 MA's), (12, 49633), (13, 49693), (14, 49705), (15, 49711), (16, 49741), (17, 49861),