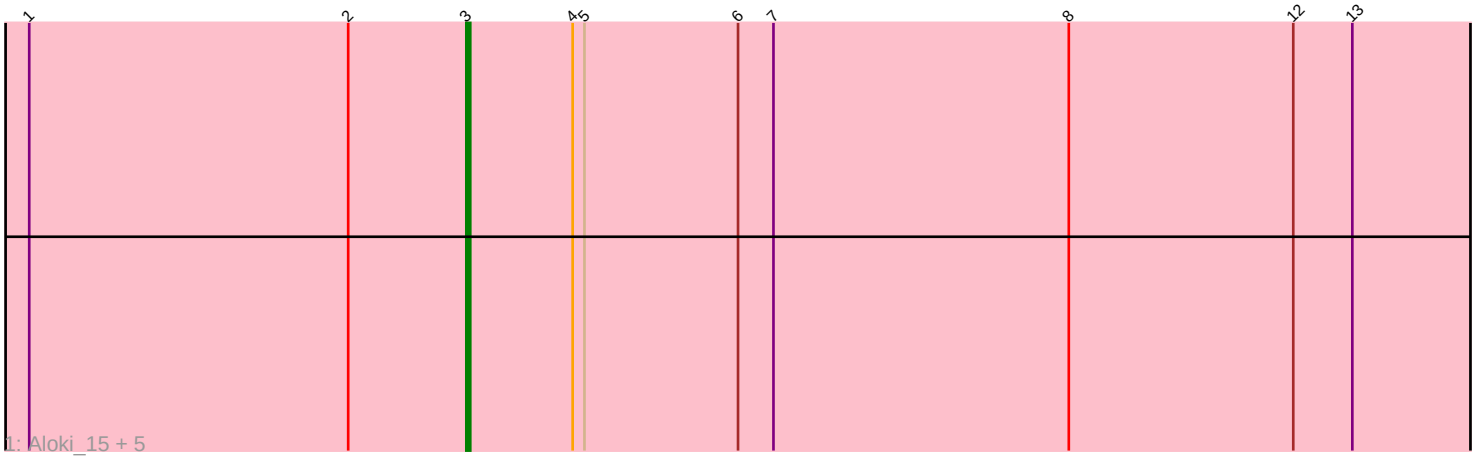
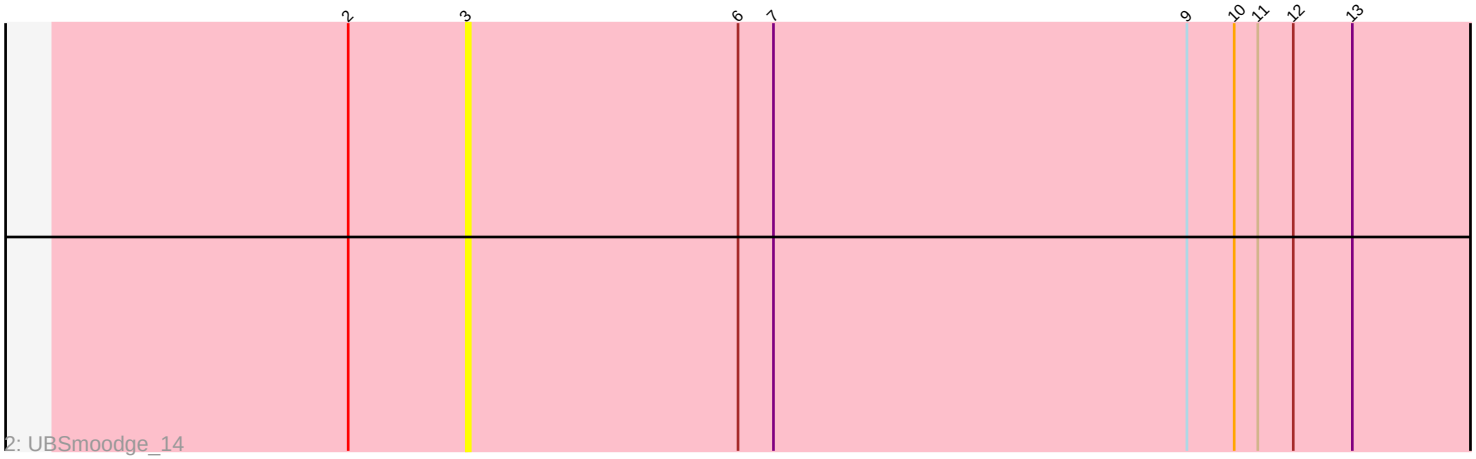
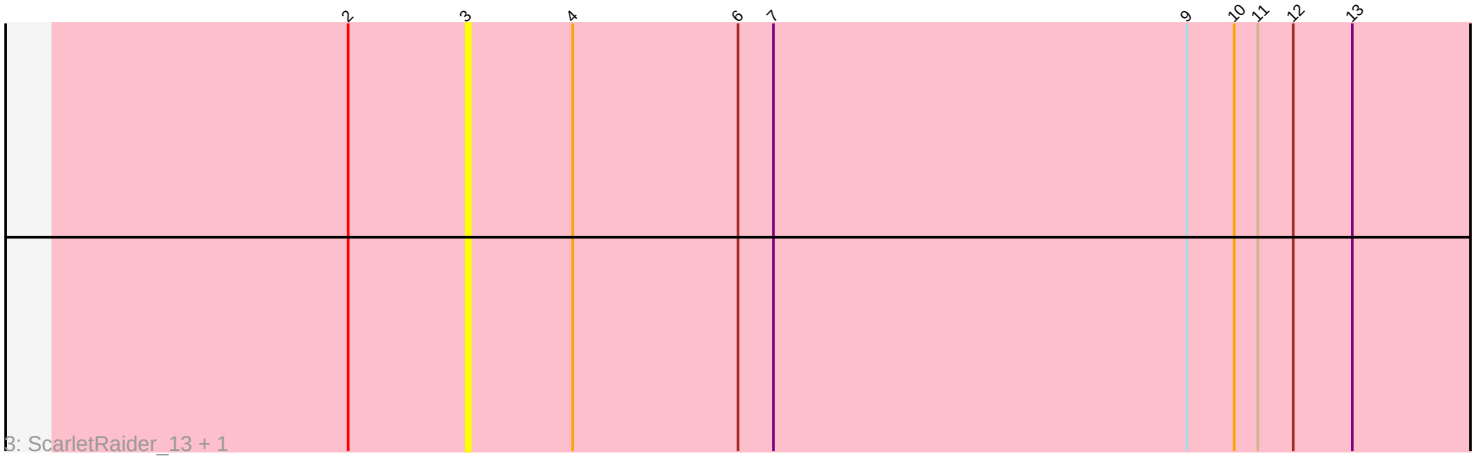
Pham 15206


1
2
3
4
5
6
7
8
12
13
1: Aloki_15 + 5


2
3
6
7
9
10
11
12
13
2: UBSmoodge_14


2
3
4
6
7
9
10
11
12
13
3: ScarletRaider_13 + 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 15206 Report

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

Pham number 15206 has 9 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Aloki_15, Gray_15, Pakusa_15, Hanem_15, Kabocha_15, Chidiebere_15
• Track 2 : UBSmoodge_14
• Track 3 : ScarletRaider_13, FlyingTortilla_13

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

The start number called the most often in the published annotations is 3, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_15, Chidiebere_15, FlyingTortilla_13, Gray_15, Hanem_15, Kabocha_15, Pakusa_15, ScarletRaider_13, UBSmoodge_14,

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

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

Summary by start number:

Start 3:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloki_15 (DQ), Chidiebere_15 (DQ), FlyingTortilla_13 (DQ), Gray_15 (DQ), Hanem_15 (DQ), Kabocha_15 (DQ), Pakusa_15 (DQ), ScarletRaider_13 (DQ), UBSmoodge_14 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:

•Start number 3 was manually annotated 4 times for cluster DQ.

Gene Information:

Gene: Aloki_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for Aloki_15:
(1, 5783), (2, 5864), (Start: 3 @5894 has 4 MA's), (4, 5921), (5, 5924), (6, 5963), (7, 5972), (8, 6047), (12, 6104), (13, 6119),

Gene: Chidiebere_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for Chidiebere_15:
(1, 5783), (2, 5864), (Start: 3 @5894 has 4 MA's), (4, 5921), (5, 5924), (6, 5963), (7, 5972), (8, 6047), (12, 6104), (13, 6119),

Gene: FlyingTortilla_13 Start: 6674, Stop: 6952, Start Num: 3
Candidate Starts for FlyingTortilla_13:
(2, 6644), (Start: 3 @6674 has 4 MA's), (4, 6701), (6, 6743), (7, 6752), (9, 6857), (10, 6869), (11, 6875), (12, 6884), (13, 6899),

Gene: Gray_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for Gray_15:
(1, 5783), (2, 5864), (Start: 3 @5894 has 4 MA's), (4, 5921), (5, 5924), (6, 5963), (7, 5972), (8, 6047), (12, 6104), (13, 6119),

Gene: Hanem_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for Hanem_15:
(1, 5783), (2, 5864), (Start: 3 @5894 has 4 MA's), (4, 5921), (5, 5924), (6, 5963), (7, 5972), (8, 6047), (12, 6104), (13, 6119),

Gene: Kabocha_15 Start: 5894, Stop: 6172, Start Num: 3
Candidate Starts for Kabocha_15:
(1, 5783), (2, 5864), (Start: 3 @5894 has 4 MA's), (4, 5921), (5, 5924), (6, 5963), (7, 5972), (8, 6047), (12, 6104), (13, 6119),

Gene: Pakusa_15 Start: 5636, Stop: 5914, Start Num: 3
Candidate Starts for Pakusa_15:
(1, 5525), (2, 5606), (Start: 3 @5636 has 4 MA's), (4, 5663), (5, 5666), (6, 5705), (7, 5714), (8, 5789), (12, 5846), (13, 5861),

Gene: ScarletRaider_13 Start: 6701, Stop: 6979, Start Num: 3
Candidate Starts for ScarletRaider_13:
(2, 6671), (Start: 3 @6701 has 4 MA's), (4, 6728), (6, 6770), (7, 6779), (9, 6884), (10, 6896), (11, 6902), (12, 6911), (13, 6926),

Gene: UBSmoodge_14 Start: 7074, Stop: 7349, Start Num: 3
Candidate Starts for UBSmoodge_14:
(2, 7044), (Start: 3 @7074 has 4 MA's), (6, 7143), (7, 7152), (9, 7257), (10, 7269), (11, 7275), (12, 7284), (13, 7299),