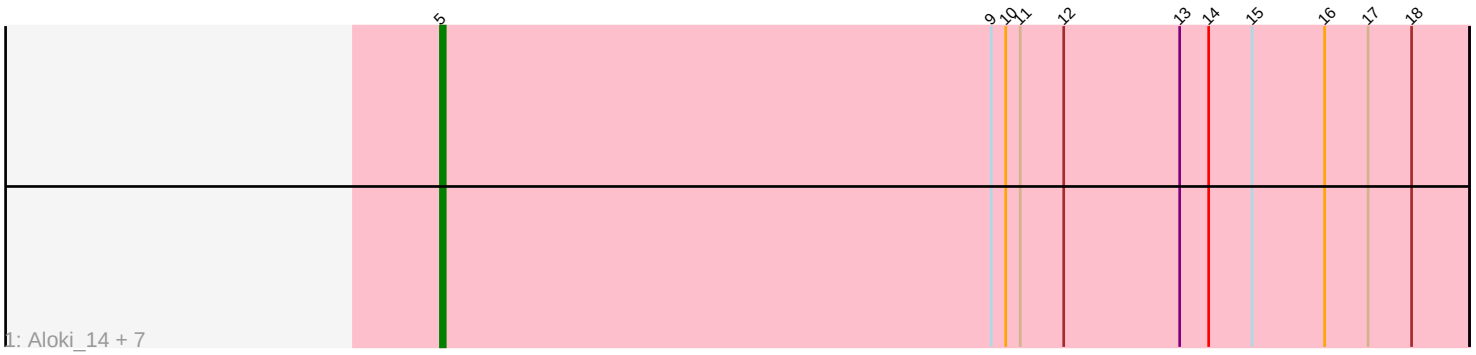
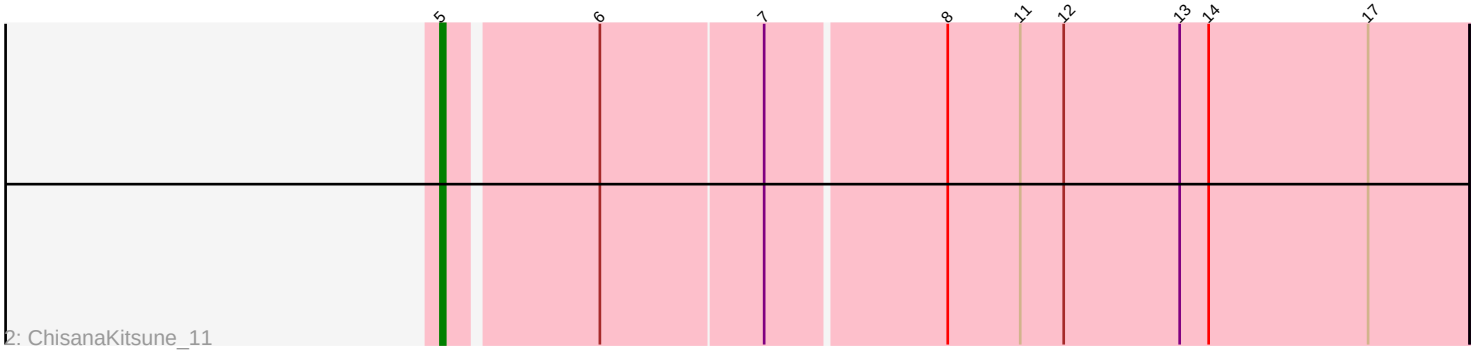
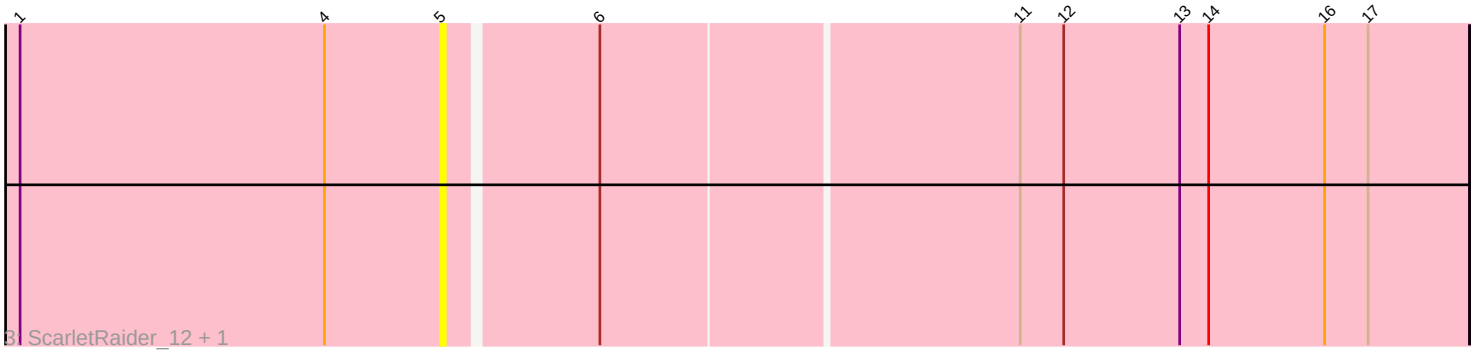
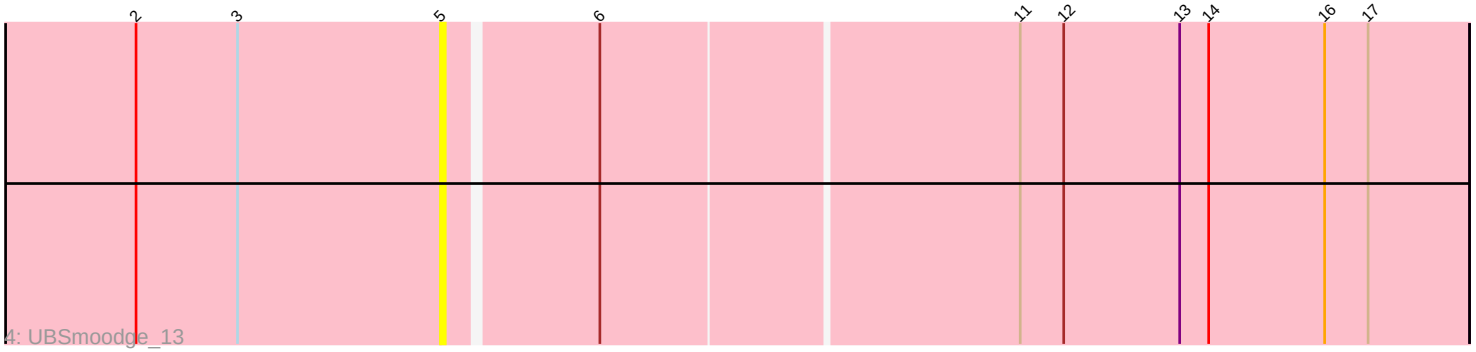
Pham 11397


5
9
10
11
12
13
14
15
16
17
18
1: Aloki_14 + 7


5
6
7
8
11
12
13
14
17
2: ChisanaKitsune_11


1
4
5
6
11
12
13
14
16
17
3: ScarletRaider_12 + 1


2
3
5
6
11
12
13
14
16
17
4: UBSmoodge_13

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 11397 Report

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

Pham number 11397 has 12 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Aloki_14, Gray_14, Pakusa_14, Hanem_14, Chidiebere_14, Oogie_15, Kabocha_14, Schomber_14
• Track 2 : ChisanaKitsune_11
• Track 3 : ScarletRaider_12, FlyingTortilla_12
• Track 4 : UBSmoodge_13

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aloki_14, Chidiebere_14, ChisanaKitsune_11, FlyingTortilla_12, Gray_14, Hanem_14, Kabocha_14, Oogie_15, Pakusa_14, ScarletRaider_12, Schomber_14, UBSmoodge_13,

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 5:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aloki_14 (DQ), Chidiebere_14 (DQ), ChisanaKitsune_11 (DQ), FlyingTortilla_12 (DQ), Gray_14 (DQ), Hanem_14 (DQ), Kabocha_14 (DQ), Oogie_15 (DQ), Pakusa_14 (DQ), ScarletRaider_12 (DQ), Schomber_14 (DQ), UBSmoodge_13 (DQ),

Summary by clusters:

There is one cluster represented in this pham: DQ

Info for manual annotations of cluster DQ:
•Start number 5 was manually annotated 6 times for cluster DQ.

Gene Information:

Gene: Aloki_14 Start: 5685, Stop: 5897, Start Num: 5
Candidate Starts for Aloki_14:
(Start: 5 @5685 has 6 MA's), (9, 5799), (10, 5802), (11, 5805), (12, 5814), (13, 5838), (14, 5844), (15, 5853), (16, 5868), (17, 5877), (18, 5886),

Gene: Chidiebere_14 Start: 5685, Stop: 5897, Start Num: 5
Candidate Starts for Chidiebere_14:
(Start: 5 @5685 has 6 MA's), (9, 5799), (10, 5802), (11, 5805), (12, 5814), (13, 5838), (14, 5844), (15, 5853), (16, 5868), (17, 5877), (18, 5886),

Gene: ChisanaKitsune_11 Start: 4663, Stop: 4869, Start Num: 5
Candidate Starts for ChisanaKitsune_11:
(Start: 5 @4663 has 6 MA's), (6, 4693), (7, 4726), (8, 4762), (11, 4777), (12, 4786), (13, 4810), (14, 4816), (17, 4849),

Gene: FlyingTortilla_12 Start: 6471, Stop: 6677, Start Num: 5
Candidate Starts for FlyingTortilla_12:
(1, 6384), (4, 6447), (Start: 5 @6471 has 6 MA's), (6, 6501), (11, 6585), (12, 6594), (13, 6618), (14, 6624), (16, 6648), (17, 6657),

Gene: Gray_14 Start: 5685, Stop: 5897, Start Num: 5
Candidate Starts for Gray_14:
(Start: 5 @5685 has 6 MA's), (9, 5799), (10, 5802), (11, 5805), (12, 5814), (13, 5838), (14, 5844), (15, 5853), (16, 5868), (17, 5877), (18, 5886),

Gene: Hanem_14 Start: 5685, Stop: 5897, Start Num: 5
Candidate Starts for Hanem_14:
(Start: 5 @5685 has 6 MA's), (9, 5799), (10, 5802), (11, 5805), (12, 5814), (13, 5838), (14, 5844), (15, 5853), (16, 5868), (17, 5877), (18, 5886),

Gene: Kabocha_14 Start: 5685, Stop: 5897, Start Num: 5
Candidate Starts for Kabocha_14:
(Start: 5 @5685 has 6 MA's), (9, 5799), (10, 5802), (11, 5805), (12, 5814), (13, 5838), (14, 5844), (15, 5853), (16, 5868), (17, 5877), (18, 5886),

Gene: Oogie_15 Start: 5582, Stop: 5794, Start Num: 5
Candidate Starts for Oogie_15:
(Start: 5 @5582 has 6 MA's), (9, 5696), (10, 5699), (11, 5702), (12, 5711), (13, 5735), (14, 5741), (15, 5750), (16, 5765), (17, 5774), (18, 5783),

Gene: Pakusa_14 Start: 5427, Stop: 5639, Start Num: 5
Candidate Starts for Pakusa_14:

(Start: 5 @5427 has 6 MA's), (9, 5541), (10, 5544), (11, 5547), (12, 5556), (13, 5580), (14, 5586), (15, 5595), (16, 5610), (17, 5619), (18, 5628),

Gene: ScarletRaider_12 Start: 6498, Stop: 6704, Start Num: 5
Candidate Starts for ScarletRaider_12:
(1, 6411), (4, 6474), (Start: 5 @6498 has 6 MA's), (6, 6528), (11, 6612), (12, 6621), (13, 6645), (14, 6651), (16, 6675), (17, 6684),

Gene: Schomber_14 Start: 5685, Stop: 5897, Start Num: 5
Candidate Starts for Schomber_14:
(Start: 5 @5685 has 6 MA's), (9, 5799), (10, 5802), (11, 5805), (12, 5814), (13, 5838), (14, 5844), (15, 5853), (16, 5868), (17, 5877), (18, 5886),

Gene: UBSmoodge_13 Start: 6871, Stop: 7077, Start Num: 5
Candidate Starts for UBSmoodge_13:
(2, 6808), (3, 6829), (Start: 5 @6871 has 6 MA's), (6, 6901), (11, 6985), (12, 6994), (13, 7018), (14, 7024), (16, 7048), (17, 7057),