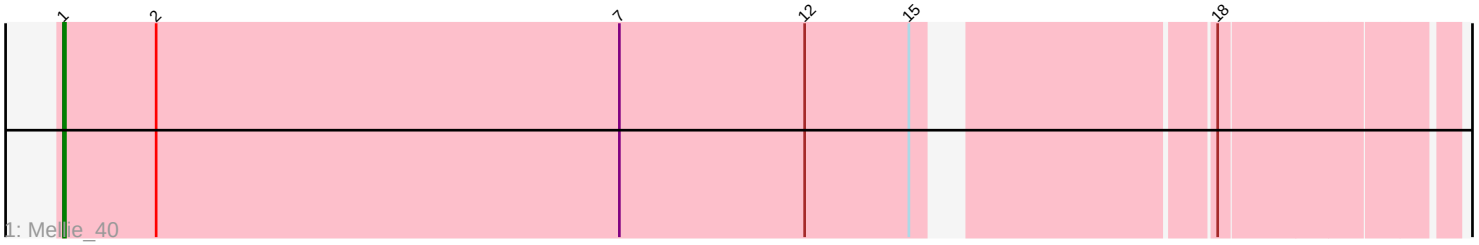
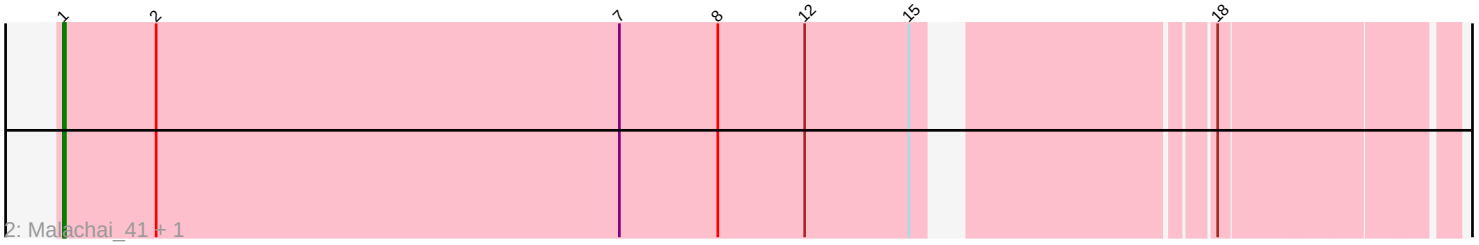
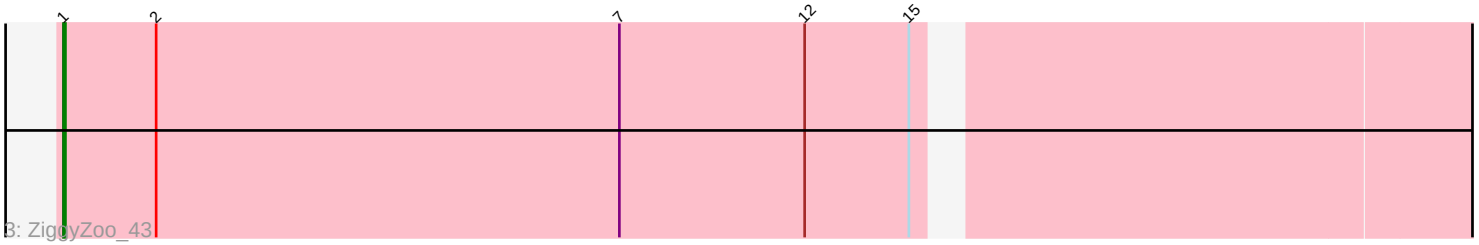
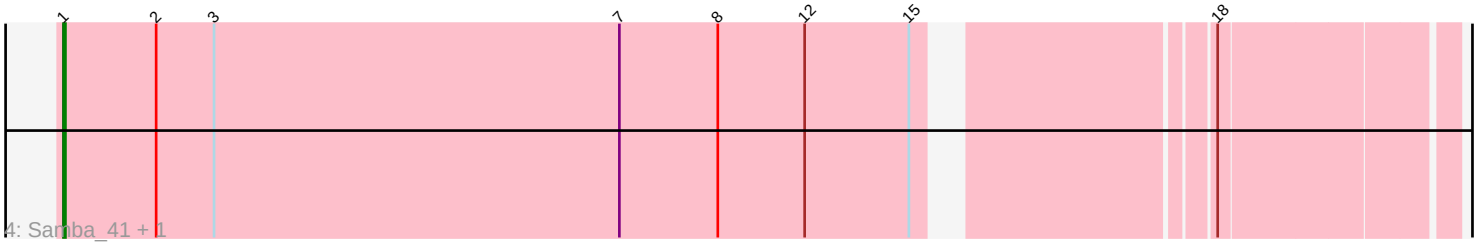
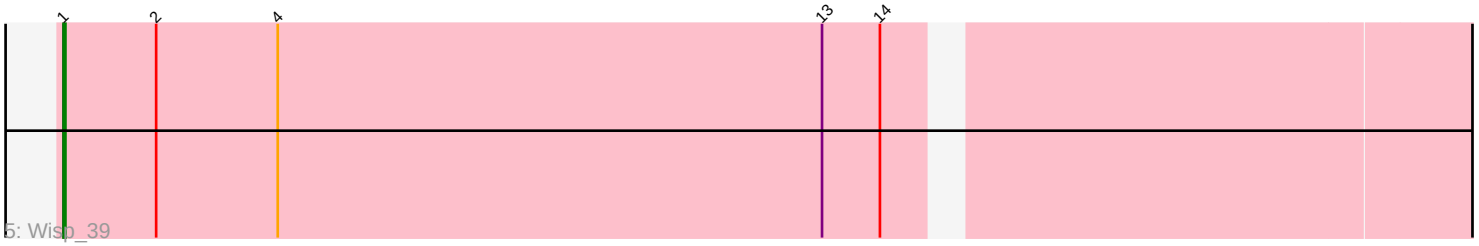
Pham 341297

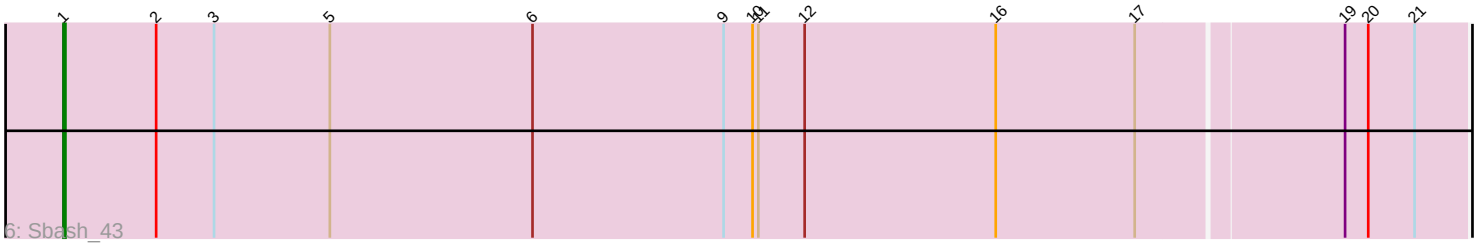

1
2
7
12
15
18
1: Mellie_40


1
2
7
8
12
15
18
2: Malachai_41 + 1


1
2
7
12
15
3: ZiggyZoo_43


1
2
3
7
8
12
15
18
4: Samba_41 + 1


1
2
4
13
14
5: Wisp_39


1
2
3
5
6
9
10
11
12
16
17
19
20
21
6: Sbash_43

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 341297 Report

This analysis was run 11/14/26 on database version 672.

Pham number 341297 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Mellie_40
• Track 2 : Malachai_41, Begonia_41
• Track 3 : ZiggyZoo_43
• Track 4 : Samba_41, Utz_36
• Track 5 : Wisp_39
• Track 6 : Sbash_43

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Begonia_41, Malachai_41, Mellie_40, Samba_41, Sbash_43, Utz_36, Wisp_39, ZiggyZoo_43,

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 1:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Begonia_41 (CV), Malachai_41 (CV), Mellie_40 (CV), Samba_41 (CV), Sbash_43 (I2), Utz_36 (CV), Wisp_39 (CV), ZiggyZoo_43 (CV),

Summary by clusters:

There are 2 clusters represented in this pham: I2, CV,

Info for manual annotations of cluster CV:
•Start number 1 was manually annotated 7 times for cluster CV.

Info for manual annotations of cluster I2:
•Start number 1 was manually annotated 1 time for cluster I2.

Gene Information:

Gene: Begonia_41 Start: 34637, Stop: 33957, Start Num: 1
Candidate Starts for Begonia_41:
(Start: 1 @34637 has 8 MA's), (2, 34589), (7, 34349), (8, 34298), (12, 34253), (15, 34199), (18, 34070),

Gene: Malachai_41 Start: 34637, Stop: 33957, Start Num: 1
Candidate Starts for Malachai_41:
(Start: 1 @34637 has 8 MA's), (2, 34589), (7, 34349), (8, 34298), (12, 34253), (15, 34199), (18, 34070),

Gene: Mellie_40 Start: 32356, Stop: 31673, Start Num: 1
Candidate Starts for Mellie_40:
(Start: 1 @32356 has 8 MA's), (2, 32308), (7, 32068), (12, 31972), (15, 31918), (18, 31786),

Gene: Samba_41 Start: 34746, Stop: 34066, Start Num: 1
Candidate Starts for Samba_41:
(Start: 1 @34746 has 8 MA's), (2, 34698), (3, 34668), (7, 34458), (8, 34407), (12, 34362), (15, 34308), (18, 34179),

Gene: Sbash_43 Start: 35894, Stop: 35175, Start Num: 1
Candidate Starts for Sbash_43:
(Start: 1 @35894 has 8 MA's), (2, 35846), (3, 35816), (5, 35756), (6, 35651), (9, 35552), (10, 35537), (11, 35534), (12, 35510), (16, 35411), (17, 35339), (19, 35237), (20, 35225), (21, 35201),

Gene: Utz_36 Start: 33436, Stop: 32756, Start Num: 1
Candidate Starts for Utz_36:
(Start: 1 @33436 has 8 MA's), (2, 33388), (3, 33358), (7, 33148), (8, 33097), (12, 33052), (15, 32998), (18, 32869),

Gene: Wisp_39 Start: 33487, Stop: 32777, Start Num: 1
Candidate Starts for Wisp_39:
(Start: 1 @33487 has 8 MA's), (2, 33439), (4, 33376), (13, 33094), (14, 33064),

Gene: ZiggyZoo_43 Start: 34707, Stop: 33997, Start Num: 1
Candidate Starts for ZiggyZoo_43:
(Start: 1 @34707 has 8 MA's), (2, 34659), (7, 34419), (12, 34323), (15, 34269),