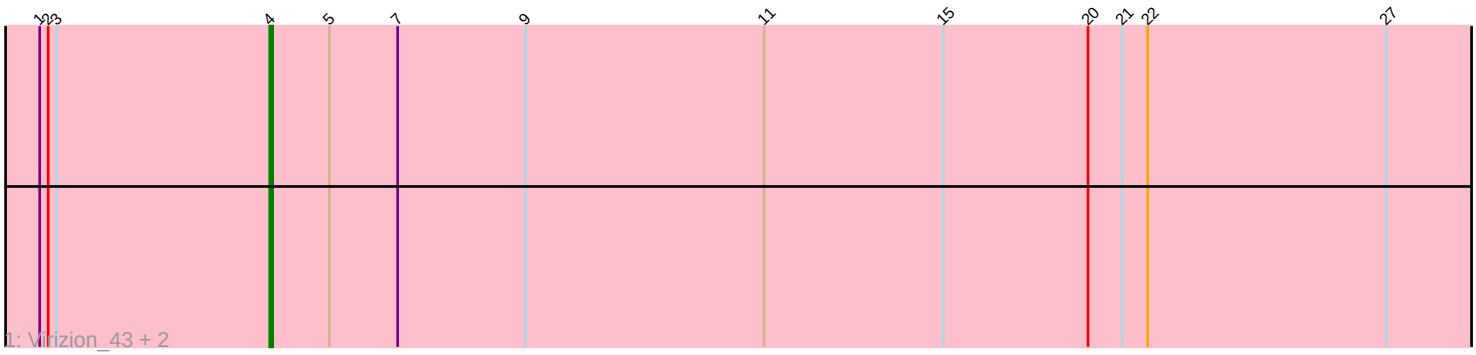
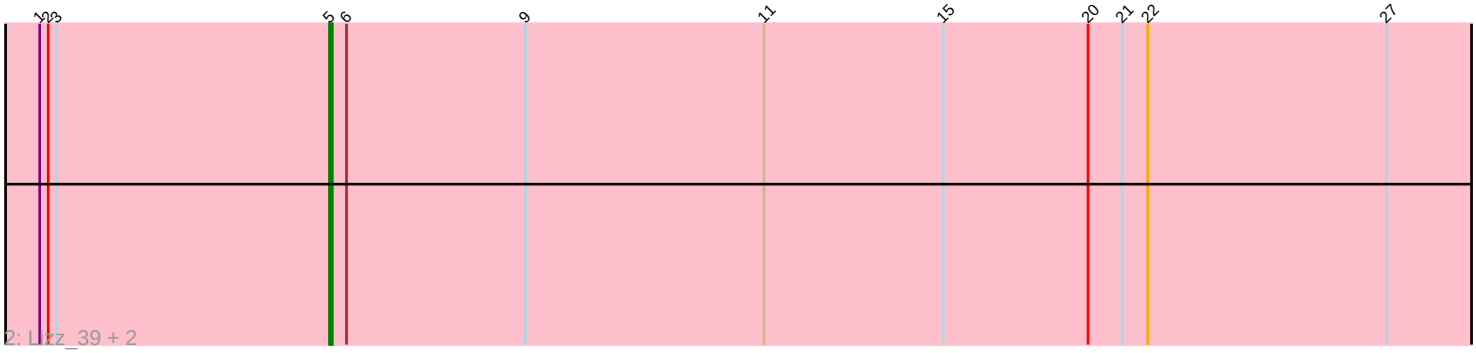
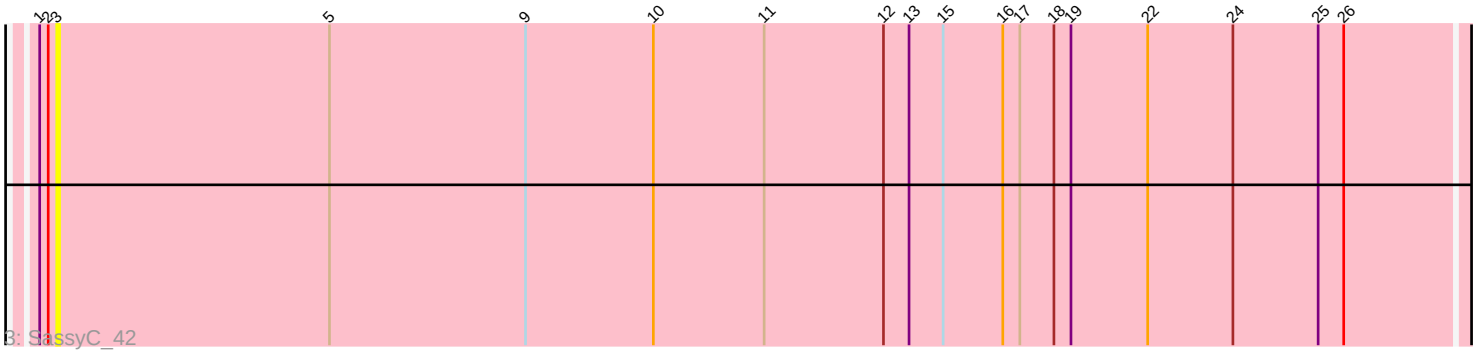
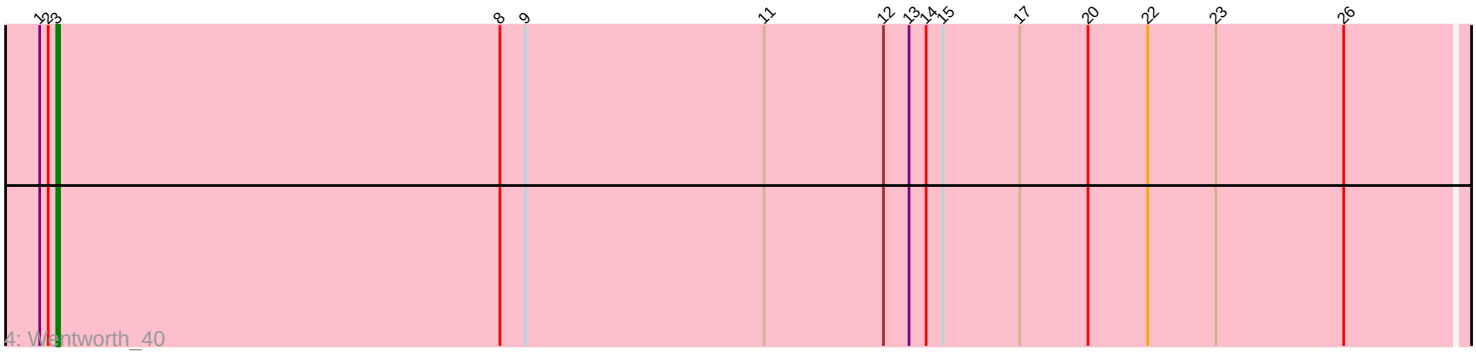
Pham 346492


1
2
3
4
5
7
9
11
15
20
21
22
27
1: Virizion_43 + 2


1
2
3
5
6
9
11
15
20
21
22
27
2: Lizz_39 + 2


1
2
3
5
9
10
11
12
13
15
16
17
18
19
22
24
25
26
3: SassyC_42


1
2
3
8
9
11
12
13
14
15
17
20
22
23
26
4: Wentworth_40

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 346492 Report

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

Pham number 346492 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Virizion_43, Rooney_39, Gibson_39
• Track 2 : Lizz_39, PHTowN_39, ShakeNBake_39
• Track 3 : SassyC_42
• Track 4 : Wentworth_40

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

Genes that call this "Most Annotated" start:
• Lizz_39, PHTowN_39, ShakeNBake_39,

Genes that have the "Most Annotated" start but do not call it:
• Gibson_39, Rooney_39, SassyC_42, Virizion_43,

Genes that do not have the "Most Annotated" start:
• Wentworth_40,

Summary by start number:

Start 3:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 25.0% of time when present
• Phage (with cluster) where this start called: SassyC_42 (BN), Wentworth_40 (BN),

Start 4:
• Found in 3 of 8 (37.5%) 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: Gibson_39 (BN), Rooney_39 (BN), Virizion_43 (BN),

Start 5:
• Found in 7 of 8 (87.5%) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Lizz_39 (BN), PHTowN_39 (BN), ShakeNBake_39 (BN),

Summary by clusters:

There is one cluster represented in this pham: BN

Info for manual annotations of cluster BN:
•Start number 3 was manually annotated 1 time for cluster BN.
•Start number 4 was manually annotated 2 times for cluster BN.
•Start number 5 was manually annotated 3 times for cluster BN.

Gene Information:

Gene: Gibson_39 Start: 31781, Stop: 31350, Start Num: 4
Candidate Starts for Gibson_39:
(1, 31862), (2, 31859), (Start: 3 @31856 has 1 MA's), (Start: 4 @31781 has 2 MA's), (Start: 5 @31760 has 3 MA's), (7, 31736), (9, 31691), (11, 31607), (15, 31544), (20, 31493), (21, 31481), (22, 31472), (27, 31388),

Gene: Lizz_39 Start: 31574, Stop: 31164, Start Num: 5
Candidate Starts for Lizz_39:
(1, 31676), (2, 31673), (Start: 3 @31670 has 1 MA's), (Start: 5 @31574 has 3 MA's), (6, 31568), (9, 31505), (11, 31421), (15, 31358), (20, 31307), (21, 31295), (22, 31286), (27, 31202),

Gene: PHTowN_39 Start: 31572, Stop: 31162, Start Num: 5
Candidate Starts for PHTowN_39:
(1, 31674), (2, 31671), (Start: 3 @31668 has 1 MA's), (Start: 5 @31572 has 3 MA's), (6, 31566), (9, 31503), (11, 31419), (15, 31356), (20, 31305), (21, 31293), (22, 31284), (27, 31200),

Gene: Rooney_39 Start: 31778, Stop: 31347, Start Num: 4
Candidate Starts for Rooney_39:
(1, 31859), (2, 31856), (Start: 3 @31853 has 1 MA's), (Start: 4 @31778 has 2 MA's), (Start: 5 @31757 has 3 MA's), (7, 31733), (9, 31688), (11, 31604), (15, 31541), (20, 31490), (21, 31478), (22, 31469), (27, 31385),

Gene: SassyC_42 Start: 32451, Stop: 31948, Start Num: 3
Candidate Starts for SassyC_42:
(1, 32457), (2, 32454), (Start: 3 @32451 has 1 MA's), (Start: 5 @32355 has 3 MA's), (9, 32286), (10, 32241), (11, 32202), (12, 32160), (13, 32151), (15, 32139), (16, 32118), (17, 32112), (18, 32100), (19, 32094), (22, 32067), (24, 32037), (25, 32007), (26, 31998),

Gene: ShakeNBake_39 Start: 31590, Stop: 31180, Start Num: 5
Candidate Starts for ShakeNBake_39:
(1, 31692), (2, 31689), (Start: 3 @31686 has 1 MA's), (Start: 5 @31590 has 3 MA's), (6, 31584), (9, 31521), (11, 31437), (15, 31374), (20, 31323), (21, 31311), (22, 31302), (27, 31218),

Gene: Virizion_43 Start: 31977, Stop: 31546, Start Num: 4
Candidate Starts for Virizion_43:
(1, 32058), (2, 32055), (Start: 3 @32052 has 1 MA's), (Start: 4 @31977 has 2 MA's), (Start: 5 @31956 has 3 MA's), (7, 31932), (9, 31887), (11, 31803), (15, 31740), (20, 31689), (21, 31677), (22, 31668), (27, 31584),

Gene: Wentworth_40 Start: 32155, Stop: 31652, Start Num: 3
Candidate Starts for Wentworth_40:
(1, 32161), (2, 32158), (Start: 3 @32155 has 1 MA's), (8, 31999), (9, 31990), (11, 31906), (12, 31864), (13, 31855), (14, 31849), (15, 31843), (17, 31816), (20, 31792), (22, 31771), (23, 31747), (26, 31702),