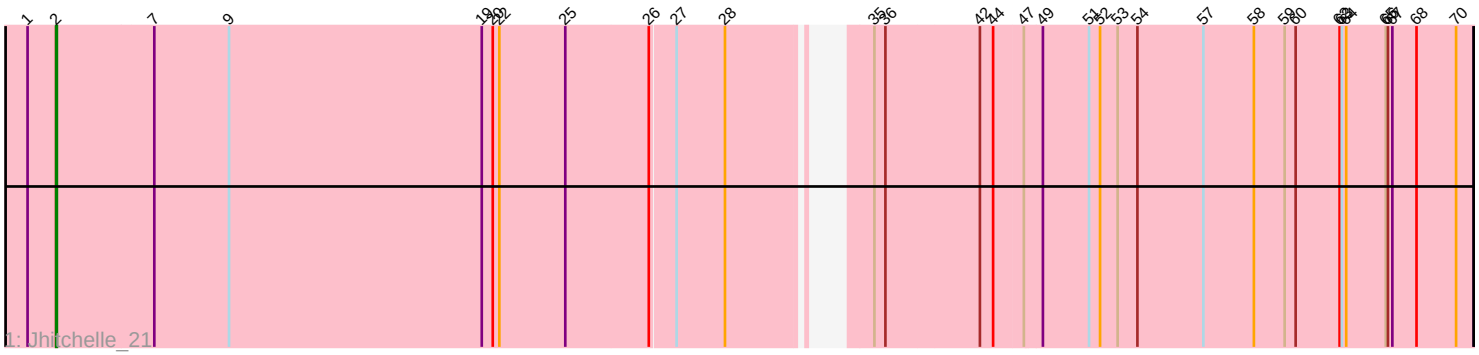
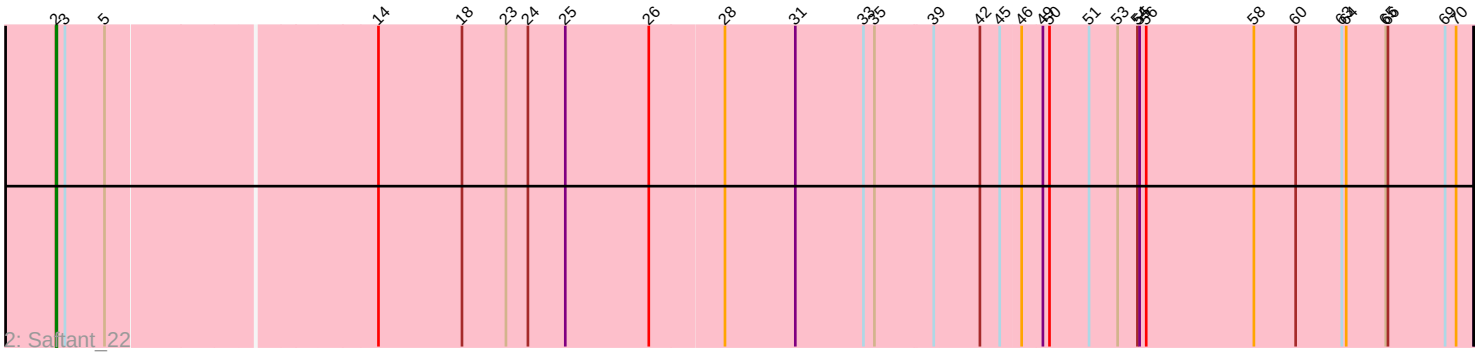
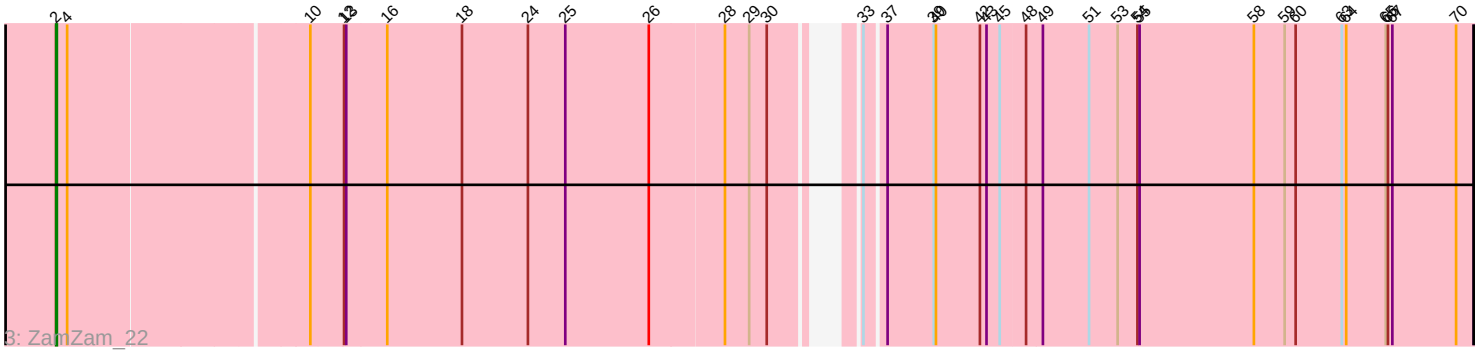
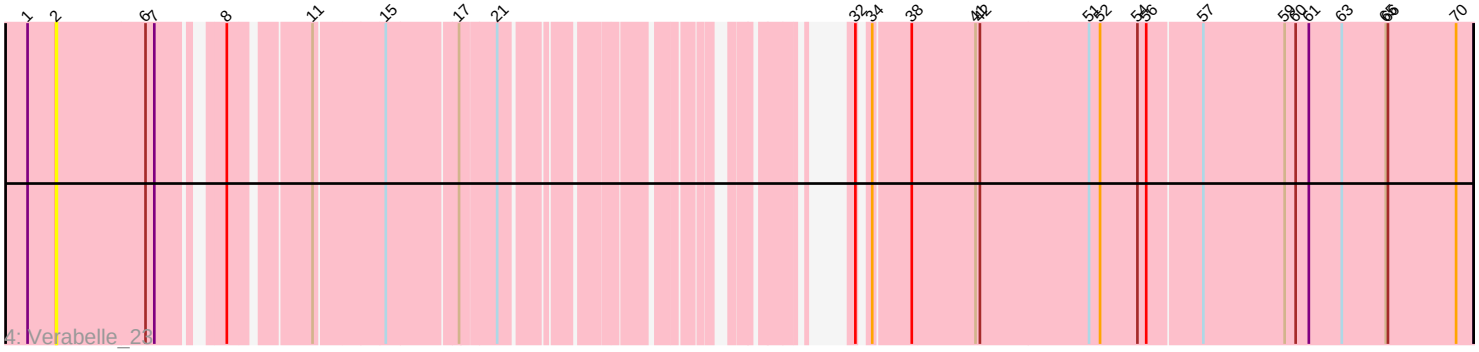
Pham 335833


1
2
7
9
25
26
27
28
42
44
47
49
57
58
68
70
1: Uhtchelle_21


23
5
14
18
23
24
25
26
28
31
39
42
45
46
51
58
60
69
70
2: Saftant_22


24
10
16
18
24
25
26
28
29
30
33
37
58
70
3: ZamZam_22


1
2
7
8
11
15
17
21
32
34
38
42
57
63
70
4: Verabelle_28

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 335833 Report

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

Pham number 335833 has 4 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Jhitchelle_21
• Track 2 : Saftant_22
• Track 3 : ZamZam_22
• Track 4 : Verabelle_23

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

The start number called the most often in the published annotations is 2, it was called in 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Jhitchelle_21, Saftant_22, Verabelle_23, ZamZam_22,

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 2:
• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Jhitchelle_21 (BD3), Saftant_22 (BD3), Verabelle_23 (BD3), ZamZam_22 (BD3),

Summary by clusters:

There is one cluster represented in this pham: BD3

Info for manual annotations of cluster BD3:
•Start number 2 was manually annotated 3 times for cluster BD3.

Gene Information:

Gene: Jhitchelle_21 Start: 17696, Stop: 19531, Start Num: 2
Candidate Starts for Jhitchelle_21:
(1, 17657), (Start: 2 @17696 has 3 MA's), (7, 17825), (9, 17927), (19, 18272), (20, 18287), (22, 18296), (25, 18386), (26, 18497), (27, 18530), (28, 18596), (35, 18728), (36, 18743), (42, 18866), (44, 18884), (47, 18923), (49, 18944), (51, 19007), (52, 19022), (53, 19046), (54, 19073), (57, 19163), (58, 19232), (59, 19274), (60, 19289), (62, 19349), (63, 19352), (64, 19358), (65, 19412), (66, 19415), (67, 19421), (68, 19454), (70, 19508),

Gene: Saftant_22 Start: 18334, Stop: 20223, Start Num: 2
Candidate Starts for Saftant_22:
(Start: 2 @18334 has 3 MA's), (3, 18346), (5, 18400), (14, 18745), (18, 18859), (23, 18919), (24, 18949), (25, 19000), (26, 19114), (28, 19213), (31, 19309), (33, 19402), (35, 19417), (39, 19495), (42, 19555), (45, 19582), (46, 19609), (49, 19636), (50, 19645), (51, 19699), (53, 19738), (54, 19765), (55, 19768), (56, 19777), (58, 19924), (60, 19981), (63, 20044), (64, 20050), (65, 20104), (66, 20107), (69, 20185), (70, 20200),

Gene: Verabelle_23 Start: 18052, Stop: 19686, Start Num: 2
Candidate Starts for Verabelle_23:
(1, 18013), (Start: 2 @18052 has 3 MA's), (6, 18172), (7, 18184), (8, 18250), (11, 18343), (15, 18430), (17, 18520), (21, 18565), (32, 18874), (34, 18883), (38, 18931), (41, 19015), (42, 19021), (51, 19168), (52, 19183), (54, 19234), (56, 19246), (57, 19318), (59, 19429), (60, 19444), (61, 19462), (63, 19507), (65, 19567), (66, 19570), (70, 19663),

Gene: ZamZam_22 Start: 18340, Stop: 20160, Start Num: 2
Candidate Starts for ZamZam_22:
(Start: 2 @18340 has 3 MA's), (4, 18355), (10, 18664), (12, 18706), (13, 18709), (16, 18763), (18, 18865), (24, 18955), (25, 19006), (26, 19120), (28, 19219), (29, 19252), (30, 19276), (33, 19342), (37, 19366), (39, 19429), (40, 19432), (42, 19492), (43, 19501), (45, 19519), (48, 19552), (49, 19573), (51, 19636), (53, 19675), (54, 19702), (55, 19705), (58, 19861), (59, 19903), (60, 19918), (63, 19981), (64, 19987), (65, 20041), (66, 20044), (67, 20050), (70, 20137),