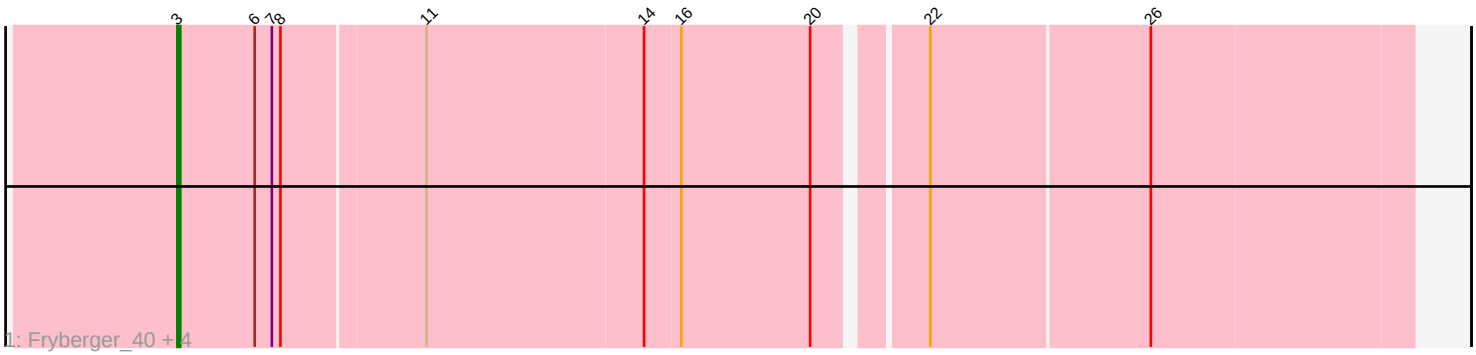
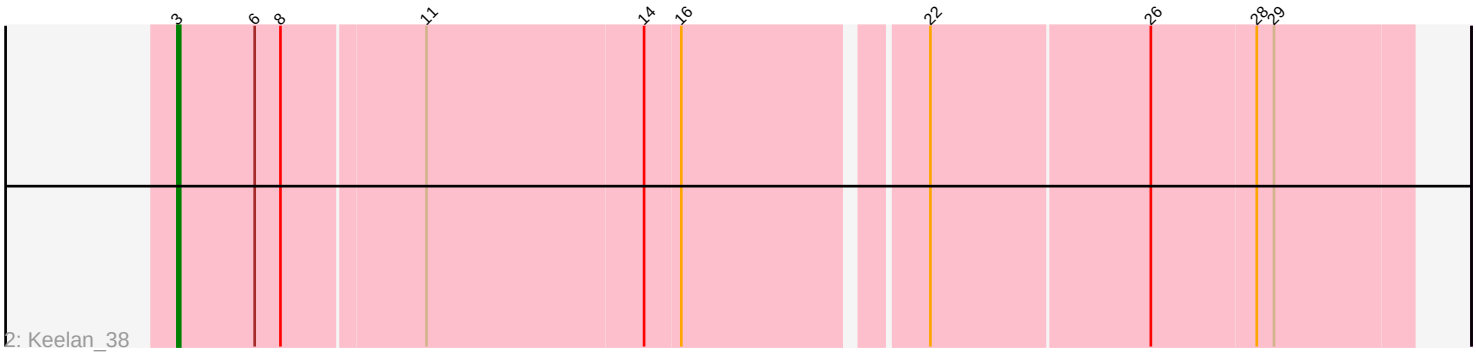
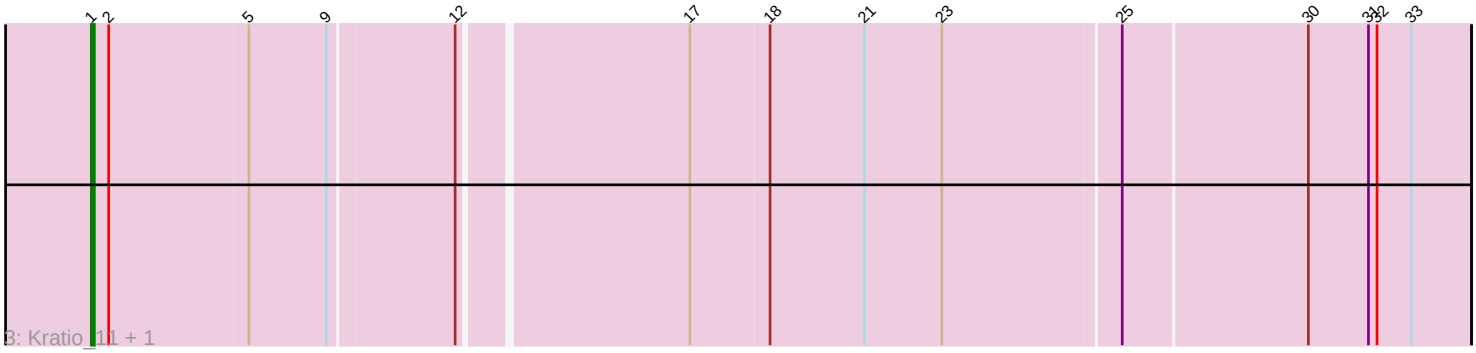
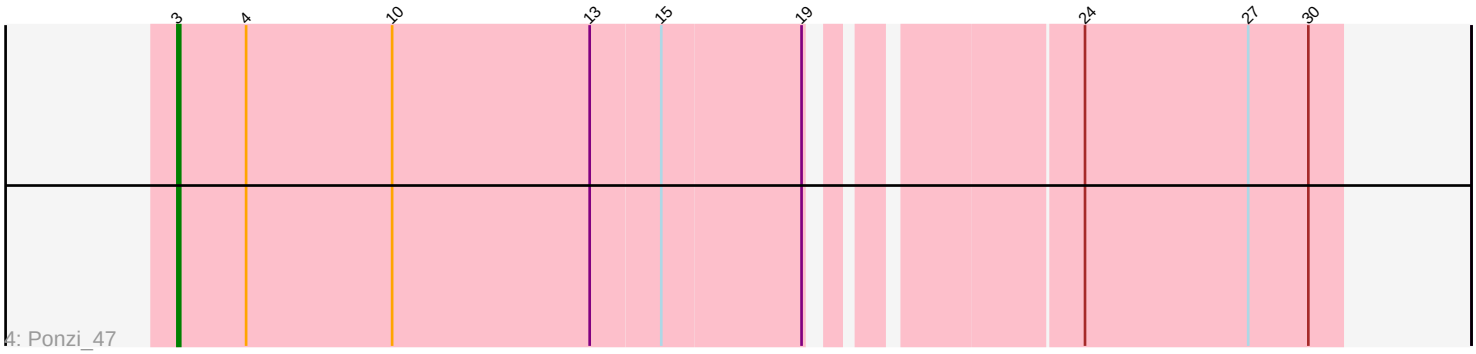
Pham 305524


3
6
7
8
11
14
16
20
22
26
1: Fryberger_40 + 4


3
6
8
11
14
16
22
26
28
29
2: Keelan_38


1
2
5
9
12
17
18
21
23
25
30
31
32
33
3: Kratio_11 + 1


3
4
10
13
15
19
24
27
30
4: Ponzi_47

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 305524 Report

This analysis was run 06/08/26 on database version 649.

Pham number 305524 has 9 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Fryberger_40, Ronaldo_43, Volt_42, Ziko_43, Guey18_45
• Track 2 : Keelan_38
• Track 3 : Kratio_11, Collard_12
• Track 4 : Ponzi_47

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 7 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Fryberger_40, Guey18_45, Keelan_38, Ponzi_47, Ronaldo_43, Volt_42, Ziko_43,

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

Genes that do not have the "Most Annotated" start:
• Collard_12, Kratio_11,

Summary by start number:

Start 1:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 2 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Collard_12 (K5), Kratio_11 (K5),

Start 3:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 7 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Fryberger_40 (DP), Guey18_45 (DP), Keelan_38 (DP), Ponzi_47 (singleton), Ronaldo_43 (DP), Volt_42 (DP), Ziko_43 (DP),

Summary by clusters:

There are 3 clusters represented in this pham: singleton, DP, K5,

Info for manual annotations of cluster DP:
•Start number 3 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster K5:
•Start number 1 was manually annotated 2 times for cluster K5.

Gene Information:

Gene: Collard_12 Start: 9058, Stop: 9522, Start Num: 1
Candidate Starts for Collard_12:
(Start: 1 @9058 has 2 MA's), (2, 9064), (5, 9112), (9, 9139), (12, 9181), (17, 9256), (18, 9283), (21, 9316), (23, 9343), (25, 9403), (30, 9466), (31, 9487), (32, 9490), (33, 9502),

Gene: Fryberger_40 Start: 15313, Stop: 15726, Start Num: 3
Candidate Starts for Fryberger_40:
(Start: 3 @15313 has 7 MA's), (6, 15340), (7, 15346), (8, 15349), (11, 15397), (14, 15472), (16, 15484), (20, 15529), (22, 15562), (26, 15637),

Gene: Guey18_45 Start: 16506, Stop: 16919, Start Num: 3
Candidate Starts for Guey18_45:
(Start: 3 @16506 has 7 MA's), (6, 16533), (7, 16539), (8, 16542), (11, 16590), (14, 16665), (16, 16677), (20, 16722), (22, 16755), (26, 16830),

Gene: Keelan_38 Start: 15288, Stop: 15701, Start Num: 3
Candidate Starts for Keelan_38:
(Start: 3 @15288 has 7 MA's), (6, 15315), (8, 15324), (11, 15372), (14, 15447), (16, 15459), (22, 15537), (26, 15612), (28, 15648), (29, 15654),

Gene: Kratio_11 Start: 8728, Stop: 9192, Start Num: 1
Candidate Starts for Kratio_11:
(Start: 1 @8728 has 2 MA's), (2, 8734), (5, 8782), (9, 8809), (12, 8851), (17, 8926), (18, 8953), (21, 8986), (23, 9013), (25, 9073), (30, 9136), (31, 9157), (32, 9160), (33, 9172),

Gene: Ponzi_47 Start: 27600, Stop: 27983, Start Num: 3
Candidate Starts for Ponzi_47:
(Start: 3 @27600 has 7 MA's), (4, 27624), (10, 27675), (13, 27744), (15, 27768), (19, 27816), (24, 27894), (27, 27951), (30, 27972),

Gene: Ronaldo_43 Start: 16243, Stop: 16656, Start Num: 3
Candidate Starts for Ronaldo_43:
(Start: 3 @16243 has 7 MA's), (6, 16270), (7, 16276), (8, 16279), (11, 16327), (14, 16402), (16, 16414), (20, 16459), (22, 16492), (26, 16567),

Gene: Volt_42 Start: 16243, Stop: 16656, Start Num: 3
Candidate Starts for Volt_42:
(Start: 3 @16243 has 7 MA's), (6, 16270), (7, 16276), (8, 16279), (11, 16327), (14, 16402), (16, 16414), (20, 16459), (22, 16492), (26, 16567),

Gene: Ziko_43 Start: 16183, Stop: 16596, Start Num: 3
Candidate Starts for Ziko_43:
(Start: 3 @16183 has 7 MA's), (6, 16210), (7, 16216), (8, 16219), (11, 16267), (14, 16342), (16, 16354), (20, 16399), (22, 16432), (26, 16507),