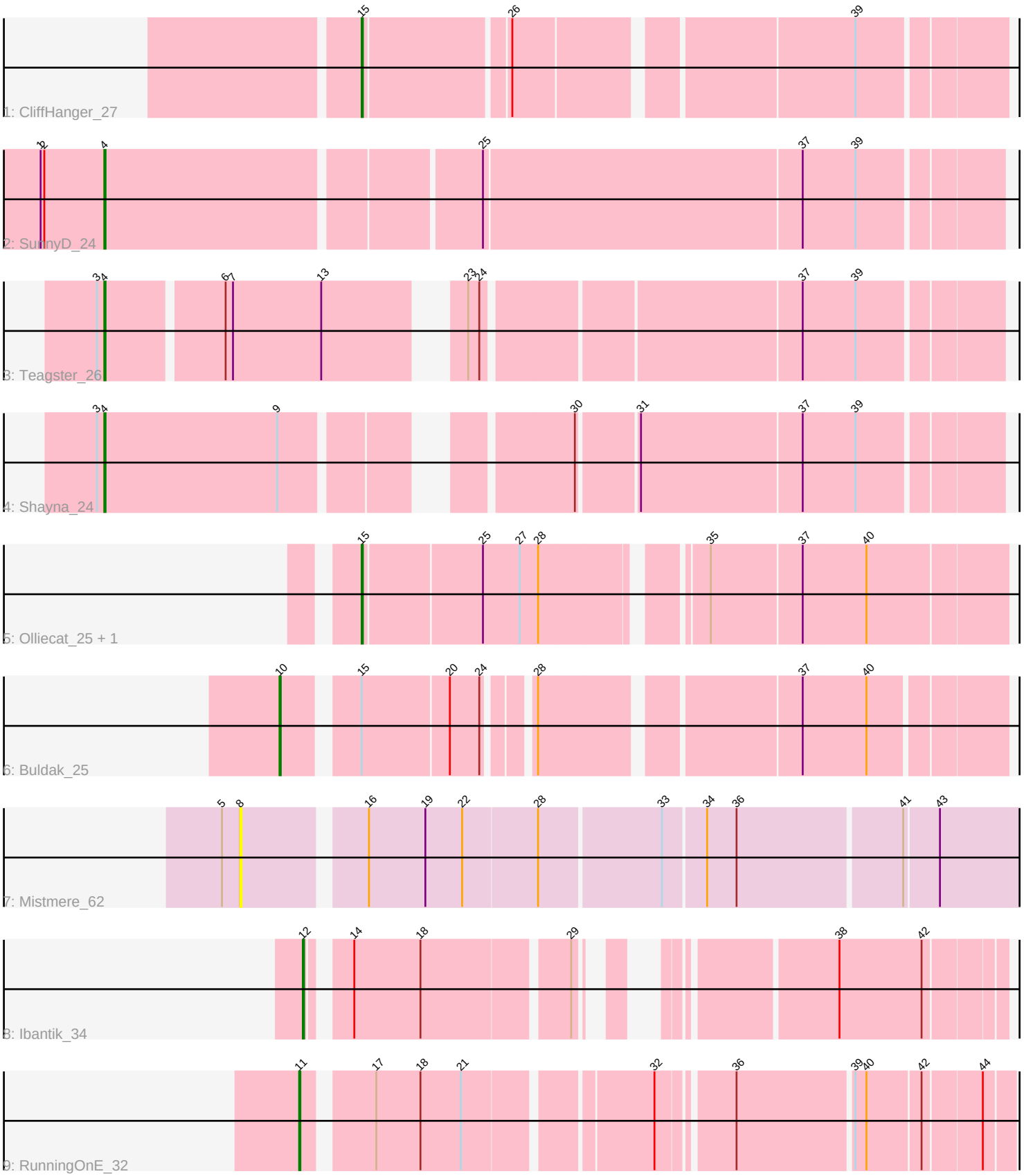
Pham 346389


15
26
39
1: CliffHanger_27
2
4
25
37
39
2: SunnyD_24
34
6
7
13
23
24
37
39
3: Teagster_26
34
9
30
31
37
39
4: Shayna_24
15
25
27
28
35
37
40
5: Olliecat_25 + 1
10
15
20
24
28
37
40
6: Buldak_25
5
8
16
19
22
28
33
34
36
41
43
7: Mistmere_62
12
14
18
29
38
42
8: Ibantik_34
11
17
18
21
32
36
39
40
42
44
9: RunningOnE_32

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 346389 Report

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

Pham number 346389 has 10 members, 1 are drafts.

Phages represented in each track:
• Track 1 : CliffHanger_27
• Track 2 : SunnyD_24
• Track 3 : Teagster_26
• Track 4 : Shayna_24
• Track 5 : Olliecat_25, Squircle_25
• Track 6 : Buldak_25
• Track 7 : Mistmere_62
• Track 8 : Ibantik_34
• Track 9 : RunningOnE_32

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

The start number called the most often in the published annotations is 4, it was called in 3 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Shayna_24, SunnyD_24, Teagster_26,

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

Genes that do not have the "Most Annotated" start:
• Buldak_25, CliffHanger_27, Ibantik_34, Mistmere_62, Olliecat_25, RunningOnE_32, Squircle_25,

Summary by start number:

Start 4:
• Found in 3 of 10 (30.0%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Shayna_24 (EB), SunnyD_24 (EB), Teagster_26 (EB),

Start 8:
• Found in 1 of 10 (10.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mistmere_62 (ED3),

Start 10:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Buldak_25 (EB),

Start 11:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RunningOnE_32 (JN),

Start 12:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ibantik_34 (JN),

Start 15:
• Found in 4 of 10 (40.0%) of genes in pham
• Manual Annotations of this start: 3 of 9
• Called 75.0% of time when present
• Phage (with cluster) where this start called: CliffHanger_27 (EB), Olliecat_25 (EB), Squircle_25 (EB),

Summary by clusters:

There are 3 clusters represented in this pham: ED3, JN, EB,

Info for manual annotations of cluster EB:
•Start number 4 was manually annotated 3 times for cluster EB.
•Start number 10 was manually annotated 1 time for cluster EB.
•Start number 15 was manually annotated 3 times for cluster EB.

Info for manual annotations of cluster JN:
•Start number 11 was manually annotated 1 time for cluster JN.
•Start number 12 was manually annotated 1 time for cluster JN.

Gene Information:

Gene: Buldak_25 Start: 19698, Stop: 20216, Start Num: 10
Candidate Starts for Buldak_25:
(Start: 10 @19698 has 1 MA's), (Start: 15 @19746 has 3 MA's), (20, 19815), (24, 19839), (28, 19869), (37, 20061), (40, 20112),

Gene: CliffHanger_27 Start: 19625, Stop: 20101, Start Num: 15
Candidate Starts for CliffHanger_27:
(Start: 15 @19625 has 3 MA's), (26, 19736), (39, 19988),

Gene: Ibantik_34 Start: 16596, Stop: 16135, Start Num: 12
Candidate Starts for Ibantik_34:
(Start: 12 @16596 has 1 MA's), (14, 16572), (18, 16518), (29, 16407), (38, 16260), (42, 16194),

Gene: Mistmere_62 Start: 37142, Stop: 36543, Start Num: 8
Candidate Starts for Mistmere_62:
(5, 37157), (8, 37142), (16, 37052), (19, 37007), (22, 36977), (28, 36917), (33, 36821), (34, 36788), (36, 36764), (41, 36635), (43, 36608),

Gene: Olliecat_25 Start: 19714, Stop: 20199, Start Num: 15
Candidate Starts for Olliecat_25:
(Start: 15 @19714 has 3 MA's), (25, 19807), (27, 19837), (28, 19852), (35, 19966), (37, 20038), (40, 20089),

Gene: RunningOnE_32 Start: 16622, Stop: 16104, Start Num: 11
Candidate Starts for RunningOnE_32:
(Start: 11 @16622 has 1 MA's), (17, 16574), (18, 16538), (21, 16505), (32, 16367), (36, 16313), (39, 16223), (40, 16214), (42, 16172), (44, 16127),

Gene: Shayna_24 Start: 19653, Stop: 20309, Start Num: 4
Candidate Starts for Shayna_24:
(3, 19647), (Start: 4 @19653 has 3 MA's), (9, 19794), (30, 19983), (31, 20028), (37, 20157), (39, 20199),

Gene: Squircle_25 Start: 19713, Stop: 20198, Start Num: 15
Candidate Starts for Squircle_25:
(Start: 15 @19713 has 3 MA's), (25, 19806), (27, 19836), (28, 19851), (35, 19965), (37, 20037), (40, 20088),

Gene: SunnyD_24 Start: 19653, Stop: 20351, Start Num: 4
Candidate Starts for SunnyD_24:
(1, 19602), (2, 19605), (Start: 4 @19653 has 3 MA's), (25, 19944), (37, 20199), (39, 20241),

Gene: Teagster_26 Start: 20611, Stop: 21270, Start Num: 4
Candidate Starts for Teagster_26:
(3, 20605), (Start: 4 @20611 has 3 MA's), (6, 20701), (7, 20707), (13, 20779), (23, 20866), (24, 20875), (37, 21118), (39, 21160),