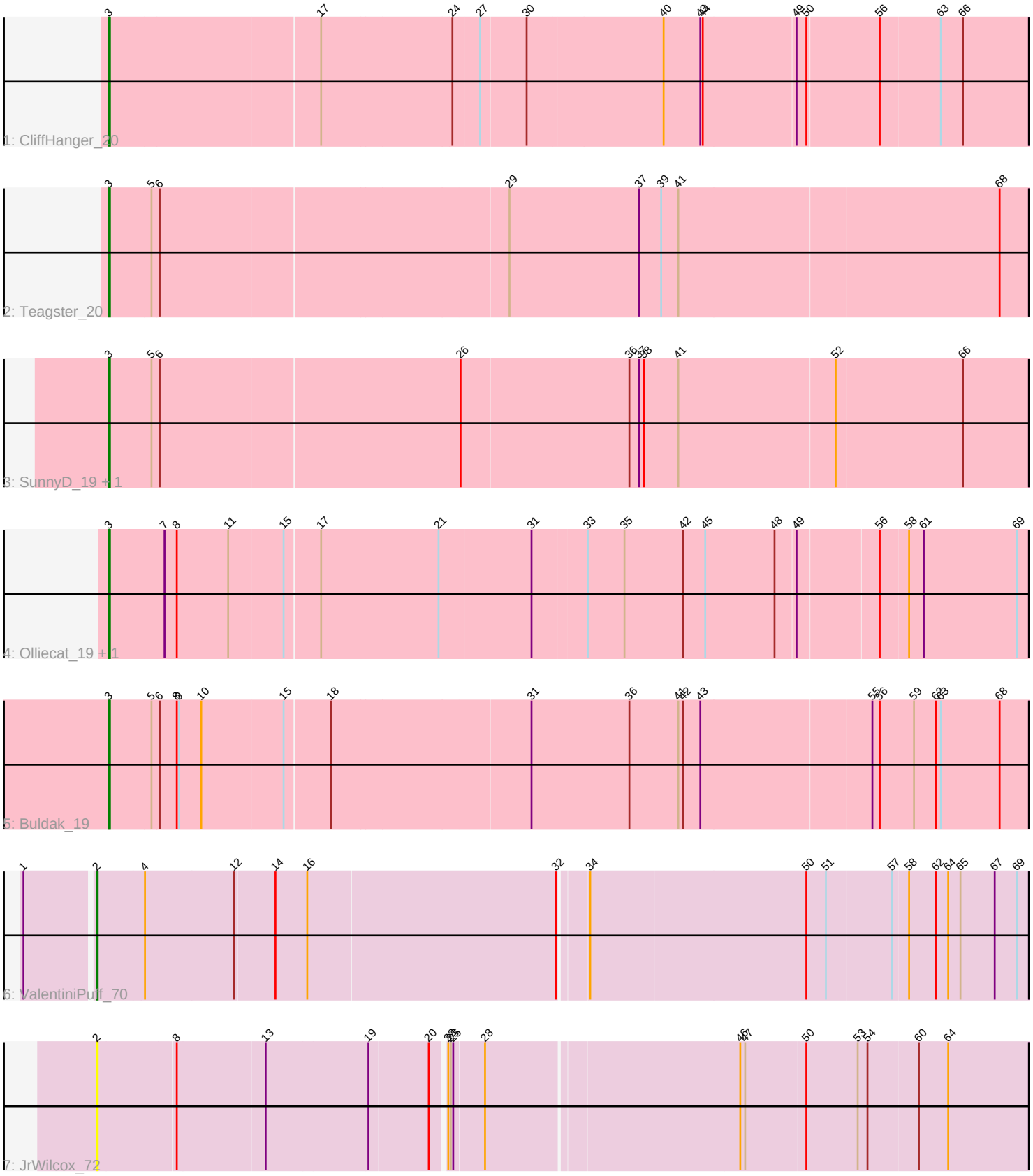
Pham 344648


1: CliffHanger_20
2: Teagster_20
3: SunnyD_19 +1
4: Olliecat_19 +1
5: Buldak_19
6: ValentiniPuff_70
7: JrWilcox_72

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 344648 Report

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

Pham number 344648 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : CliffHanger_20
• Track 2 : Teagster_20
• Track 3 : SunnyD_19, Shayna_19
• Track 4 : Olliecat_19, Squircle_19
• Track 5 : Buldak_19
• Track 6 : ValentiniPuff_70
• Track 7 : JrWilcox_72

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 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Buldak_19, CliffHanger_20, Olliecat_19, Shayna_19, Squircle_19, SunnyD_19, Teagster_20,

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

Genes that do not have the "Most Annotated" start:
• JrWilcox_72, ValentiniPuff_70,

Summary by start number:

Start 2:
• Found in 2 of 9 (22.2%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: JrWilcox_72 (GL), ValentiniPuff_70 (GL),

Start 3:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 7 of 8

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Buldak_19 (EB), CliffHanger_20 (EB), Olliecat_19 (EB), Shayna_19 (EB), Squircle_19 (EB), SunnyD_19 (EB), Teagster_20 (EB),

Summary by clusters:

There are 2 clusters represented in this pham: GL, EB,

Info for manual annotations of cluster EB:
•Start number 3 was manually annotated 7 times for cluster EB.

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

Gene Information:

Gene: Buldak_19 Start: 16353, Stop: 17453, Start Num: 3
Candidate Starts for Buldak_19:
(Start: 3 @16353 has 7 MA's), (5, 16404), (6, 16413), (8, 16434), (9, 16437), (10, 16464), (15, 16563), (18, 16617), (31, 16854), (36, 16974), (41, 17031), (42, 17037), (43, 17058), (55, 17262), (56, 17271), (59, 17313), (62, 17340), (63, 17346), (68, 17418),

Gene: CliffHanger_20 Start: 15967, Stop: 17055, Start Num: 3
Candidate Starts for CliffHanger_20:
(Start: 3 @15967 has 7 MA's), (17, 16219), (24, 16375), (27, 16405), (30, 16459), (40, 16621), (43, 16663), (44, 16666), (49, 16777), (50, 16789), (56, 16876), (63, 16948), (66, 16975),

Gene: JrWilcox_72 Start: 37327, Stop: 38418, Start Num: 2
Candidate Starts for JrWilcox_72:
(Start: 2 @37327 has 1 MA's), (8, 37420), (13, 37525), (19, 37648), (20, 37717), (22, 37732), (23, 37735), (25, 37738), (28, 37774), (46, 38071), (47, 38077), (50, 38149), (53, 38212), (54, 38224), (60, 38284), (64, 38320),

Gene: Olliecat_19 Start: 16328, Stop: 17416, Start Num: 3
Candidate Starts for Olliecat_19:
(Start: 3 @16328 has 7 MA's), (7, 16394), (8, 16409), (11, 16472), (15, 16538), (17, 16580), (21, 16721), (31, 16829), (33, 16892), (35, 16937), (42, 17006), (45, 17033), (48, 17117), (49, 17141), (56, 17237), (58, 17270), (61, 17288), (69, 17402),

Gene: Shayna_19 Start: 16207, Stop: 17307, Start Num: 3
Candidate Starts for Shayna_19:
(Start: 3 @16207 has 7 MA's), (5, 16258), (6, 16267), (26, 16624), (36, 16828), (37, 16840), (38, 16846), (41, 16885), (52, 17074), (66, 17227),

Gene: Squircle_19 Start: 16327, Stop: 17415, Start Num: 3
Candidate Starts for Squircle_19:
(Start: 3 @16327 has 7 MA's), (7, 16393), (8, 16408), (11, 16471), (15, 16537), (17, 16579), (21, 16720), (31, 16828), (33, 16891), (35, 16936), (42, 17005), (45, 17032), (48, 17116), (49, 17140), (56, 17236), (58, 17269), (61, 17287), (69, 17401),

Gene: SunnyD_19 Start: 16207, Stop: 17307, Start Num: 3
Candidate Starts for SunnyD_19:
(Start: 3 @16207 has 7 MA's), (5, 16258), (6, 16267), (26, 16624), (36, 16828), (37, 16840), (38, 16846), (41, 16885), (52, 17074), (66, 17227),

Gene: Teagster_20 Start: 17281, Stop: 18381, Start Num: 3
Candidate Starts for Teagster_20:
(Start: 3 @17281 has 7 MA's), (5, 17332), (6, 17341), (29, 17755), (37, 17914), (39, 17941), (41, 17959), (68, 18346),

Gene: ValentiniPuff_70 Start: 38195, Stop: 39304, Start Num: 2
Candidate Starts for ValentiniPuff_70:
(1, 38114), (Start: 2 @38195 has 1 MA's), (4, 38252), (12, 38360), (14, 38408), (16, 38447), (32, 38747), (34, 38777), (50, 39038), (51, 39062), (57, 39140), (58, 39158), (62, 39191), (64, 39206), (65, 39221), (67, 39263), (69, 39290),