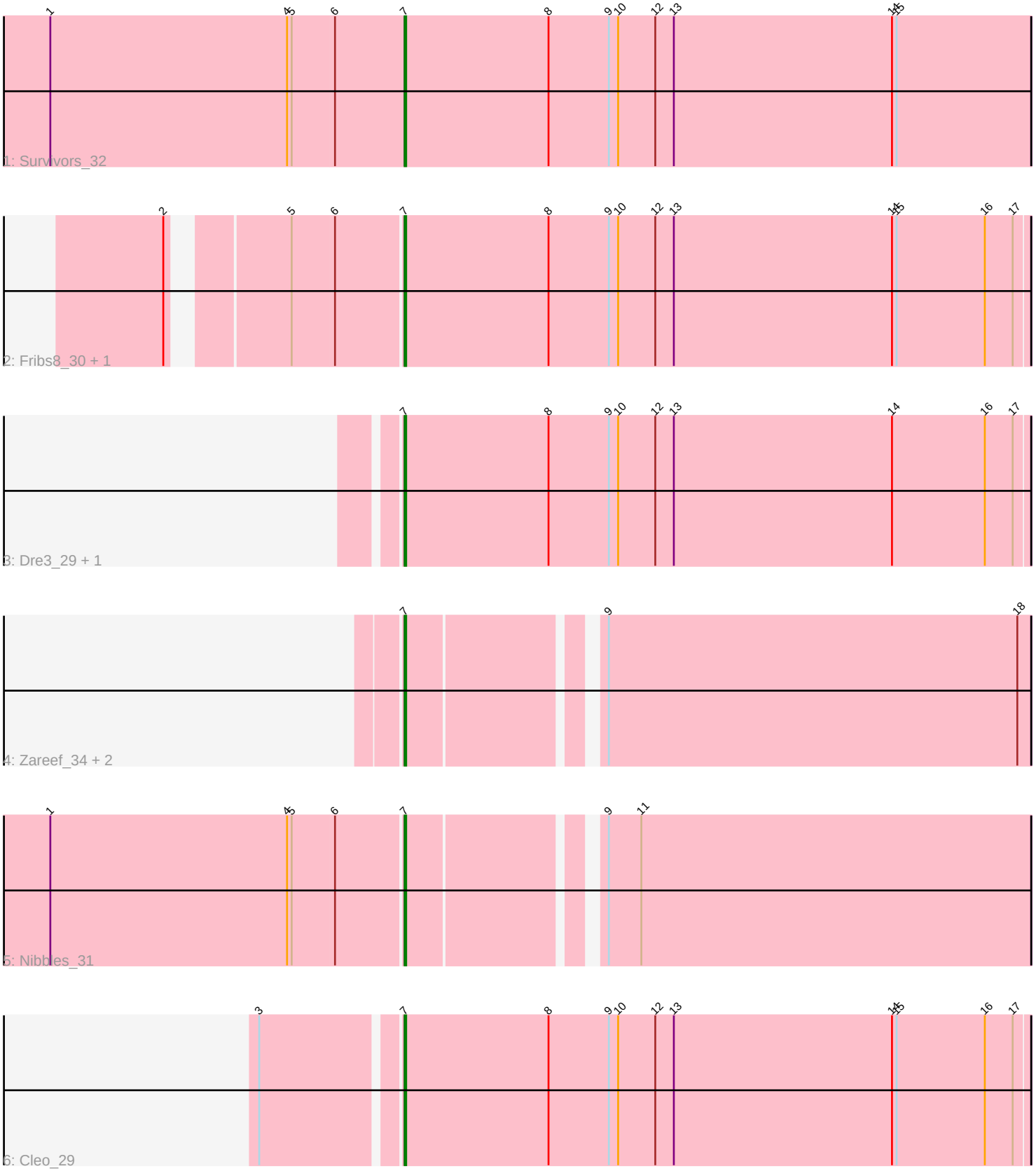
Pham 9535


1
4
5
6
7
8
9
10
12
13
14
15
1: Survivors_32
2
5
6
7
8
9
10
12
13
14
15
16
17
2: Fribs8_30 + 1
7
8
9
10
12
13
14
16
17
3: Dre3_29 + 1
7
9
18
4: Zareef_34 + 2
1
4
5
6
7
9
11
5: Nibbles_31
3
7
8
9
10
12
13
14
15
16
17
6: Cleo_29

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 9535 Report

This analysis was run 04/05/24 on database version 557.

Pham number 9535 has 10 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Survivors_32
• Track 2 : Fribs8_30, HippoPololi_31
• Track 3 : Dre3_29, Gibbous_29
• Track 4 : Zareef_34, MaVan_34, Azira_32
• Track 5 : Nibbles_31
• Track 6 : Cleo_29

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

The start number called the most often in the published annotations is 7, it was called in 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Azira_32, Cleo_29, Dre3_29, Fribs8_30, Gibbous_29, HippoPololi_31, MaVan_34, Nibbles_31, Survivors_32, Zareef_34,

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 7:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Azira_32 (CT), Cleo_29 (CT), Dre3_29 (CT), Fribs8_30 (CT), Gibbous_29 (CT), HippoPololi_31 (CT), MaVan_34 (CT), Nibbles_31 (CT), Survivors_32 (CT), Zareef_34 (CT),

Summary by clusters:

There is one cluster represented in this pham: CT

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

Gene Information:

Gene: Azira_32 Start: 25191, Stop: 24808, Start Num: 7
Candidate Starts for Azira_32:
(Start: 7 @25191 has 7 MA's), (9, 25080), (18, 24816),

Gene: Cleo_29 Start: 24421, Stop: 24020, Start Num: 7
Candidate Starts for Cleo_29:
(3, 24505), (Start: 7 @24421 has 7 MA's), (8, 24328), (9, 24289), (10, 24283), (12, 24259), (13, 24247), (14, 24106), (15, 24103), (16, 24046), (17, 24028),

Gene: Dre3_29 Start: 24350, Stop: 23949, Start Num: 7
Candidate Starts for Dre3_29:
(Start: 7 @24350 has 7 MA's), (8, 24257), (9, 24218), (10, 24212), (12, 24188), (13, 24176), (14, 24035), (16, 23975), (17, 23957),

Gene: Fribs8_30 Start: 24731, Stop: 24330, Start Num: 7
Candidate Starts for Fribs8_30:
(2, 24863), (5, 24800), (6, 24773), (Start: 7 @24731 has 7 MA's), (8, 24638), (9, 24599), (10, 24593), (12, 24569), (13, 24557), (14, 24416), (15, 24413), (16, 24356), (17, 24338),

Gene: Gibbous_29 Start: 24350, Stop: 23949, Start Num: 7
Candidate Starts for Gibbous_29:
(Start: 7 @24350 has 7 MA's), (8, 24257), (9, 24218), (10, 24212), (12, 24188), (13, 24176), (14, 24035), (16, 23975), (17, 23957),

Gene: HippoPololi_31 Start: 24803, Stop: 24402, Start Num: 7
Candidate Starts for HippoPololi_31:
(2, 24935), (5, 24872), (6, 24845), (Start: 7 @24803 has 7 MA's), (8, 24710), (9, 24671), (10, 24665), (12, 24641), (13, 24629), (14, 24488), (15, 24485), (16, 24428), (17, 24410),

Gene: MaVan_34 Start: 25224, Stop: 24841, Start Num: 7
Candidate Starts for MaVan_34:
(Start: 7 @25224 has 7 MA's), (9, 25113), (18, 24849),

Gene: Nibbles_31 Start: 24872, Stop: 24489, Start Num: 7
Candidate Starts for Nibbles_31:
(1, 25097), (4, 24944), (5, 24941), (6, 24914), (Start: 7 @24872 has 7 MA's), (9, 24761), (11, 24740),

Gene: Survivors_32 Start: 25081, Stop: 24677, Start Num: 7
Candidate Starts for Survivors_32:
(1, 25309), (4, 25156), (5, 25153), (6, 25126), (Start: 7 @25081 has 7 MA's), (8, 24988), (9, 24949), (10, 24943), (12, 24919), (13, 24907), (14, 24766), (15, 24763),

Gene: Zareef_34 Start: 25192, Stop: 24809, Start Num: 7
Candidate Starts for Zareef_34:

(Start: 7 @25192 has 7 MA's), (9, 25081), (18, 24817),