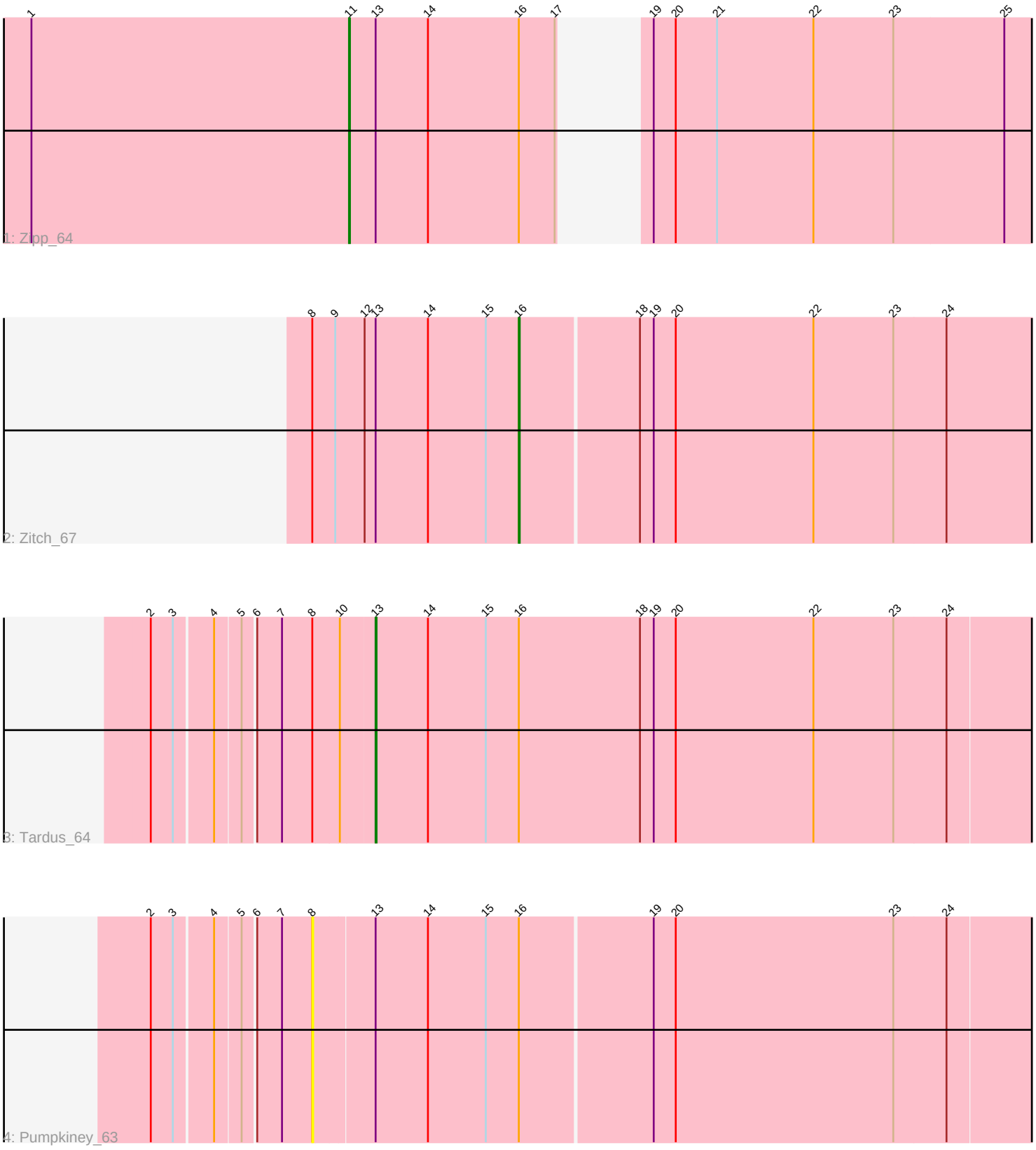
Pham 344890


1
11
13
14
16
17
19
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21
22
23
25
1: Zipp_64
8
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12
13
14
15
16
18
19
20
22
23
24
2: Zitch_67
2
3
4
5
6
7
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10
13
14
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16
18
19
20
22
23
24
3: Tardus_64
2
3
4
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6
7
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13
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16
19
20
23
24
4: Pumpkiney_63

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 344890 Report

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

Pham number 344890 has 4 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Zipp_64
• Track 2 : Zitch_67
• Track 3 : Tardus_64
• Track 4 : Pumpkiney_63

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

The start number called the most often in the published annotations is 11, it was called in 1 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Zipp_64,

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

Genes that do not have the "Most Annotated" start:
• Pumpkiney_63, Tardus_64, Zitch_67,

Summary by start number:

Start 8:
• Found in 3 of 4 (75.0%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Pumpkiney_63 (DE4),

Start 11:
• Found in 1 of 4 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zipp_64 (DE4),

Start 13:

• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Tardus_64 (DE4),

Start 16:
• Found in 4 of 4 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 3
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Zitch_67 (DE4),

Summary by clusters:

There is one cluster represented in this pham: DE4

Info for manual annotations of cluster DE4:
•Start number 11 was manually annotated 1 time for cluster DE4.
•Start number 13 was manually annotated 1 time for cluster DE4.
•Start number 16 was manually annotated 1 time for cluster DE4.

Gene Information:

Gene: Pumpkiney_63 Start: 47204, Stop: 47989, Start Num: 8
Candidate Starts for Pumpkiney_63:
(2, 47042), (3, 47066), (4, 47105), (5, 47132), (6, 47144), (7, 47171), (8, 47204), (Start: 13 @47267 has 1 MA's), (14, 47324), (15, 47387), (Start: 16 @47423 has 1 MA's), (19, 47564), (20, 47588), (23, 47825), (24, 47882),

Gene: Tardus_64 Start: 48797, Stop: 49519, Start Num: 13
Candidate Starts for Tardus_64:
(2, 48572), (3, 48596), (4, 48635), (5, 48662), (6, 48674), (7, 48701), (8, 48734), (10, 48761), (Start: 13 @48797 has 1 MA's), (14, 48854), (15, 48917), (Start: 16 @48953 has 1 MA's), (18, 49085), (19, 49100), (20, 49124), (22, 49274), (23, 49361), (24, 49418),

Gene: Zipp_64 Start: 49856, Stop: 50515, Start Num: 11
Candidate Starts for Zipp_64:
(1, 49511), (Start: 11 @49856 has 1 MA's), (Start: 13 @49883 has 1 MA's), (14, 49940), (Start: 16 @50039 has 1 MA's), (17, 50078), (19, 50093), (20, 50117), (21, 50162), (22, 50267), (23, 50354), (25, 50474),

Gene: Zitch_67 Start: 48507, Stop: 49076, Start Num: 16
Candidate Starts for Zitch_67:
(8, 48285), (9, 48309), (12, 48339), (Start: 13 @48351 has 1 MA's), (14, 48408), (15, 48471), (Start: 16 @48507 has 1 MA's), (18, 48633), (19, 48648), (20, 48672), (22, 48822), (23, 48909), (24, 48966),