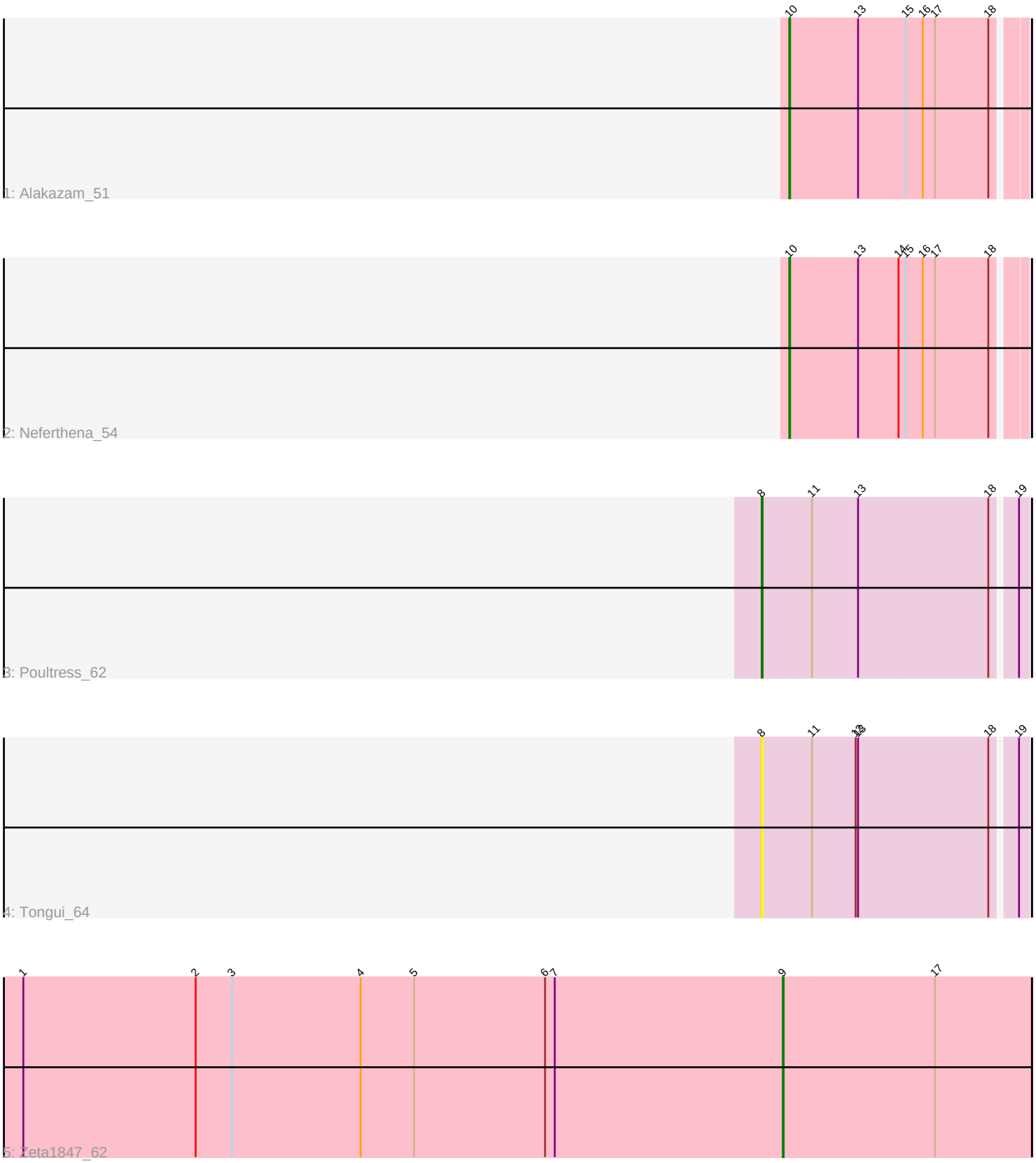
Pham 217015


10
13
15
16
17
18
1: Alakazam_51
10
13
14
15
16
17
18
2: Neferthena_54
8
11
13
18
19
3: Poultress_62
8
11
18
19
4: Tongui_64
1
2
3
4
5
6
7
9
17
5: Zeta1847_62

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 217015 Report

This analysis was run 02/22/25 on database version 588.

Pham number 217015 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Alakazam_51
• Track 2 : Neferthena_54
• Track 3 : Poultress_62
• Track 4 : Tongui_64
• Track 5 : Zeta1847_62

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

The start number called the most often in the published annotations is 10, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alakazam_51, Neferthena_54,

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

Genes that do not have the "Most Annotated" start:
• Poultress_62, Tongui_64, Zeta1847_62,

Summary by start number:

Start 8:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Poultress_62 (EF), Tongui_64 (EF),

Start 9:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Zeta1847_62 (EH),

Start 10:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alakazam_51 (EA5), Neferthena_54 (EA5),

Summary by clusters:

There are 3 clusters represented in this pham: EF, EA5, EH,

Info for manual annotations of cluster EA5:
•Start number 10 was manually annotated 2 times for cluster EA5.

Info for manual annotations of cluster EF:
•Start number 8 was manually annotated 1 time for cluster EF.

Info for manual annotations of cluster EH:
•Start number 9 was manually annotated 1 time for cluster EH.

Gene Information:

Gene: Alakazam_51 Start: 36666, Stop: 36391, Start Num: 10
Candidate Starts for Alakazam_51:
(Start: 10 @36666 has 2 MA's), (13, 36585), (15, 36528), (16, 36507), (17, 36492), (18, 36426),

Gene: Neferthena_54 Start: 37161, Stop: 36886, Start Num: 10
Candidate Starts for Neferthena_54:
(Start: 10 @37161 has 2 MA's), (13, 37080), (14, 37032), (15, 37023), (16, 37002), (17, 36987), (18, 36921),

Gene: Poultress_62 Start: 48795, Stop: 49109, Start Num: 8
Candidate Starts for Poultress_62:
(Start: 8 @48795 has 1 MA's), (11, 48855), (13, 48912), (18, 49071), (19, 49098),

Gene: Tongui_64 Start: 48247, Stop: 48561, Start Num: 8
Candidate Starts for Tongui_64:
(Start: 8 @48247 has 1 MA's), (11, 48307), (12, 48361), (13, 48364), (18, 48523), (19, 48550),

Gene: Zeta1847_62 Start: 42685, Stop: 42987, Start Num: 9
Candidate Starts for Zeta1847_62:
(1, 41746), (2, 41959), (3, 42004), (4, 42163), (5, 42229), (6, 42391), (7, 42403), (Start: 9 @42685 has 1 MA's), (17, 42868),