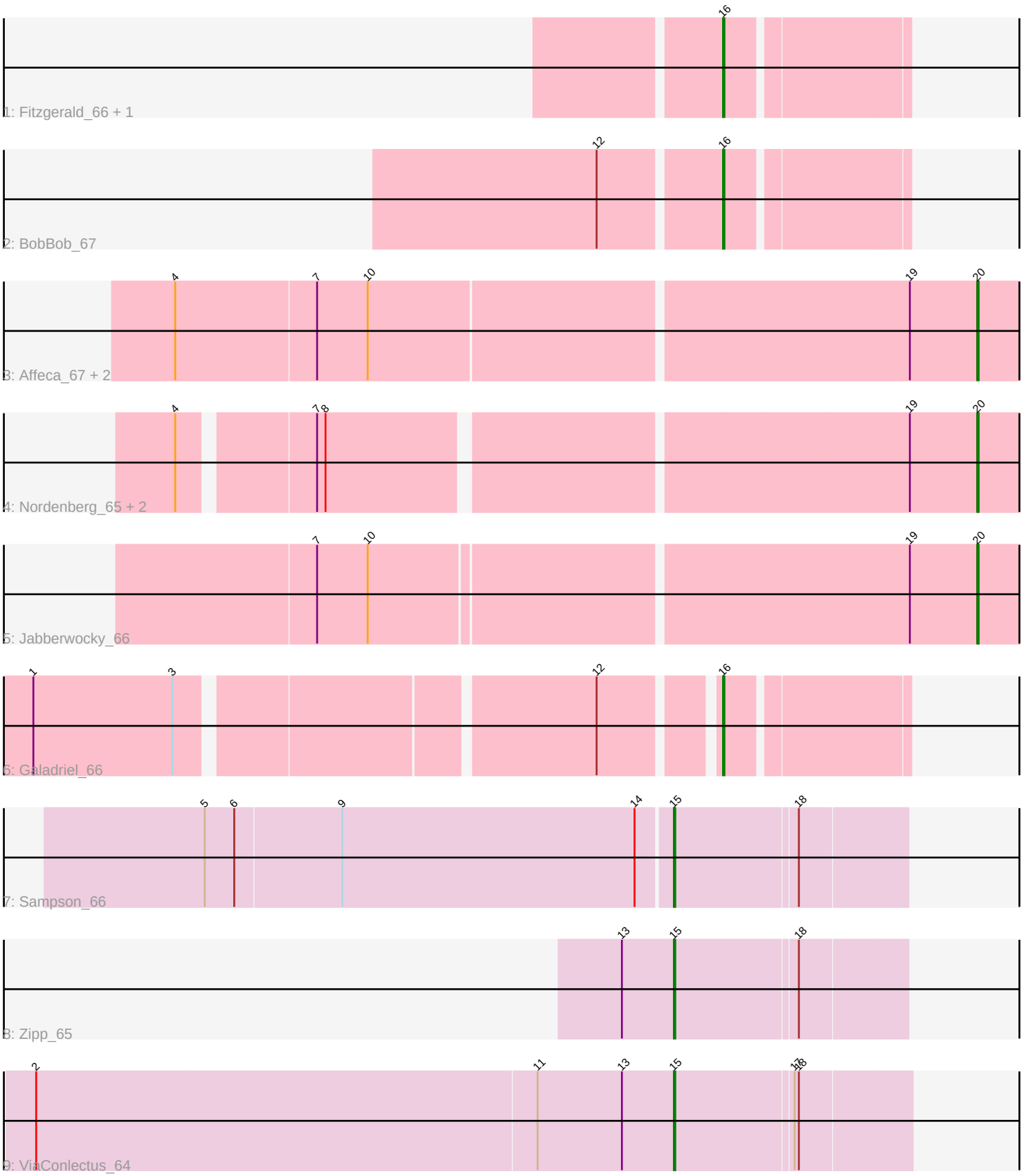
Pham 171872


16
1: Fitzgerald_66 + 1
12
16
2: BobBob_67
4
7
10
19
20
3: Affeca_67 + 2
4
7
8
19
20
4: Nordenberg_65 + 2
7
10
19
20
5: Jabberwocky_66
1
3
12
16
6: Galadriel_66
5
6
9
14
15
18
7: Sampson_66
13
15
18
8: Zipp_65
2
11
13
15
17
18
9: ViaConlectus_64

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 171872 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171872 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Fitzgerald_66, Ailee_65
• Track 2 : BobBob_67
• Track 3 : Affeca_67, Love_71, Shivanishola_66
• Track 4 : Nordenberg_65, Tangent_69, Rofo_67
• Track 5 : Jabberwocky_66
• Track 6 : Galadriel_66
• Track 7 : Sampson_66
• Track 8 : Zipp_65
• Track 9 : ViaConlectus_64

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

The start number called the most often in the published annotations is 20, it was called in 7 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Affeca_67, Jabberwocky_66, Love_71, Nordenberg_65, Rofo_67, Shivanishola_66, Tangent_69,

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

Genes that do not have the "Most Annotated" start:
• Ailee_65, BobBob_67, Fitzgerald_66, Galadriel_66, Sampson_66, ViaConlectus_64, Zipp_65,

Summary by start number:

Start 15:
• Found in 3 of 14 (21.4%) of genes in pham
• Manual Annotations of this start: 3 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sampson_66 (DE4), ViaConlectus_64 (DE4), Zipp_65 (DE4),

Start 16:
• Found in 4 of 14 (28.6%) of genes in pham
• Manual Annotations of this start: 4 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ailee_65 (DE1), BobBob_67 (DE1), Fitzgerald_66 (DE1), Galadriel_66 (DE1),

Start 20:
• Found in 7 of 14 (50.0%) of genes in pham
• Manual Annotations of this start: 7 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Affeca_67 (DE1), Jabberwocky_66 (DE1), Love_71 (DE1), Nordenberg_65 (DE1), Rofo_67 (DE1), Shivanishola_66 (DE1), Tangent_69 (DE1),

Summary by clusters:

There are 2 clusters represented in this pham: DE1, DE4,

Info for manual annotations of cluster DE1:
•Start number 16 was manually annotated 4 times for cluster DE1.
•Start number 20 was manually annotated 7 times for cluster DE1.

Info for manual annotations of cluster DE4:
•Start number 15 was manually annotated 3 times for cluster DE4.

Gene Information:

Gene: Affeca_67 Start: 51592, Stop: 51711, Start Num: 20
Candidate Starts for Affeca_67:
(4, 51037), (7, 51136), (10, 51172), (19, 51544), (Start: 20 @51592 has 7 MA's),

Gene: Ailee_65 Start: 50917, Stop: 51036, Start Num: 16
Candidate Starts for Ailee_65:
(Start: 16 @50917 has 4 MA's),

Gene: BobBob_67 Start: 50844, Stop: 50963, Start Num: 16
Candidate Starts for BobBob_67:
(12, 50763), (Start: 16 @50844 has 4 MA's),

Gene: Fitzgerald_66 Start: 51659, Stop: 51778, Start Num: 16
Candidate Starts for Fitzgerald_66:
(Start: 16 @51659 has 4 MA's),

Gene: Galadriel_66 Start: 51536, Stop: 51655, Start Num: 16
Candidate Starts for Galadriel_66:
(1, 51089), (3, 51188), (12, 51464), (Start: 16 @51536 has 4 MA's),

Gene: Jabberwocky_66 Start: 51918, Stop: 52037, Start Num: 20
Candidate Starts for Jabberwocky_66:

(7, 51465), (10, 51501), (19, 51870), (Start: 20 @51918 has 7 MA's),

Gene: Love_71 Start: 52032, Stop: 52151, Start Num: 20
Candidate Starts for Love_71:
(4, 51477), (7, 51576), (10, 51612), (19, 51984), (Start: 20 @52032 has 7 MA's),

Gene: Nordenberg_65 Start: 50152, Stop: 50271, Start Num: 20
Candidate Starts for Nordenberg_65:
(4, 49618), (7, 49705), (8, 49711), (19, 50104), (Start: 20 @50152 has 7 MA's),

Gene: Rofo_67 Start: 51164, Stop: 51283, Start Num: 20
Candidate Starts for Rofo_67:
(4, 50630), (7, 50717), (8, 50723), (19, 51116), (Start: 20 @51164 has 7 MA's),

Gene: Sampson_66 Start: 49655, Stop: 49813, Start Num: 15
Candidate Starts for Sampson_66:
(5, 49328), (6, 49349), (9, 49424), (14, 49631), (Start: 15 @49655 has 3 MA's), (18, 49739),

Gene: Shivanishola_66 Start: 49804, Stop: 49923, Start Num: 20
Candidate Starts for Shivanishola_66:
(4, 49249), (7, 49348), (10, 49384), (19, 49756), (Start: 20 @49804 has 7 MA's),

Gene: Tangent_69 Start: 50869, Stop: 50988, Start Num: 20
Candidate Starts for Tangent_69:
(4, 50335), (7, 50422), (8, 50428), (19, 50821), (Start: 20 @50869 has 7 MA's),

Gene: ViaConlectus_64 Start: 48340, Stop: 48501, Start Num: 15
Candidate Starts for ViaConlectus_64:
(2, 47890), (11, 48244), (13, 48304), (Start: 15 @48340 has 3 MA's), (17, 48421), (18, 48424),

Gene: Zipp_65 Start: 50512, Stop: 50670, Start Num: 15
Candidate Starts for Zipp_65:
(13, 50476), (Start: 15 @50512 has 3 MA's), (18, 50596),