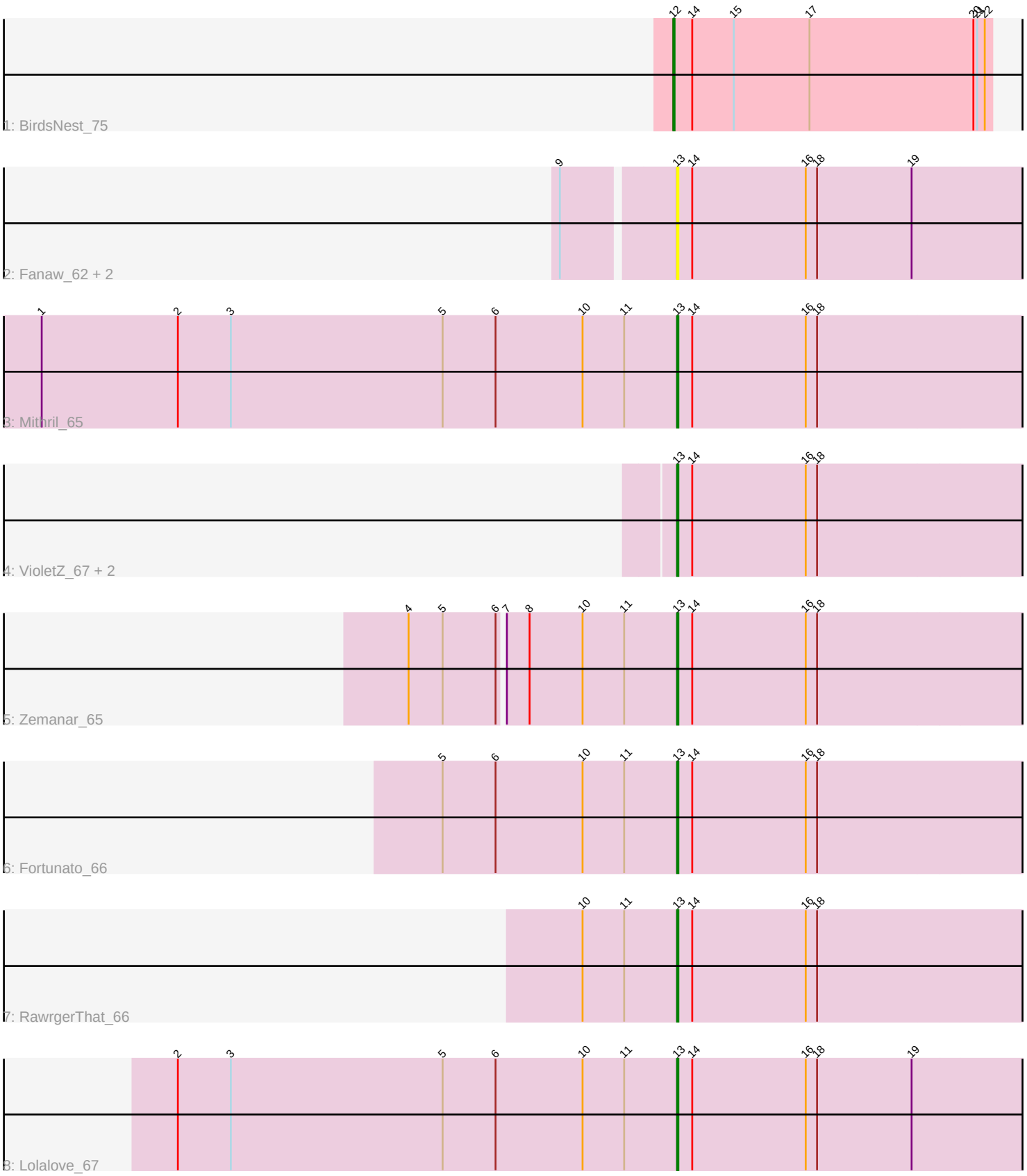
Pham 342740


12
14
15
17
20
21
22
1: BirdsNest_75
9
13
14
16
18
19
2: Fanaw_62 + 2
1
2
3
5
6
10
11
13
14
16
18
3: Mithril_65
13
14
16
18
4: VioletZ_67 + 2
4
5
6
7
8
10
11
13
14
16
18
5: Zemanar_65
5
6
10
11
13
14
16
18
6: Fortunato_66
10
11
13
14
16
18
7: RawrgerThat_66
2
3
5
6
10
11
13
14
16
18
19
8: Lolalove_67

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 342740 Report

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

Pham number 342740 has 12 members, 3 are drafts.

Phages represented in each track:
• Track 1 : BirdsNest_75
• Track 2 : Fanaw_62, Xincheng_65, JaguarMi_66
• Track 3 : Mithril_65
• Track 4 : VioletZ_67, Austelle_65, JoyceMaria_66
• Track 5 : Zemanar_65
• Track 6 : Fortunato_66
• Track 7 : RawrgerThat_66
• Track 8 : Lolalove_67

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

The start number called the most often in the published annotations is 13, it was called in 8 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Austelle_65, Fanaw_62, Fortunato_66, JaguarMi_66, JoyceMaria_66, Lolalove_67, Mithril_65, RawrgerThat_66, VioletZ_67, Xincheng_65, Zemanar_65,

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

Genes that do not have the "Most Annotated" start:
• BirdsNest_75,

Summary by start number:

Start 12:
• Found in 1 of 12 (8.3%) of genes in pham
• Manual Annotations of this start: 1 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BirdsNest_75 (B13),

Start 13:
• Found in 11 of 12 (91.7%) of genes in pham

• Manual Annotations of this start: 8 of 9
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Austelle_65 (B4), Fanaw_62 (B4), Fortunato_66 (B4), JaguarMi_66 (B4), JoyceMaria_66 (B4), Lolalove_67 (B4), Mithril_65 (B4), RawrgerThat_66 (B4), VioletZ_67 (B4), Xincheng_65 (B4), Zemanar_65 (B4),

Summary by clusters:

There are 2 clusters represented in this pham: B4, B13,

Info for manual annotations of cluster B13:
•Start number 12 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B4:
•Start number 13 was manually annotated 8 times for cluster B4.

Gene Information:

Gene: Austelle_65 Start: 59591, Stop: 59878, Start Num: 13
Candidate Starts for Austelle_65:
(Start: 13 @59591 has 8 MA's), (14, 59603), (16, 59693), (18, 59702),

Gene: BirdsNest_75 Start: 59161, Stop: 59412, Start Num: 12
Candidate Starts for BirdsNest_75:
(Start: 12 @59161 has 1 MA's), (14, 59176), (15, 59209), (17, 59269), (20, 59398), (21, 59401), (22, 59407),

Gene: Fanaw_62 Start: 59005, Stop: 59292, Start Num: 13
Candidate Starts for Fanaw_62:
(9, 58921), (Start: 13 @59005 has 8 MA's), (14, 59017), (16, 59107), (18, 59116), (19, 59191),

Gene: Fortunato_66 Start: 59010, Stop: 59297, Start Num: 13
Candidate Starts for Fortunato_66:
(5, 58824), (6, 58866), (10, 58935), (11, 58968), (Start: 13 @59010 has 8 MA's), (14, 59022), (16, 59112), (18, 59121),

Gene: JaguarMi_66 Start: 60241, Stop: 60528, Start Num: 13
Candidate Starts for JaguarMi_66:
(9, 60157), (Start: 13 @60241 has 8 MA's), (14, 60253), (16, 60343), (18, 60352), (19, 60427),

Gene: JoyceMaria_66 Start: 59114, Stop: 59401, Start Num: 13
Candidate Starts for JoyceMaria_66:
(Start: 13 @59114 has 8 MA's), (14, 59126), (16, 59216), (18, 59225),

Gene: Lolalove_67 Start: 59168, Stop: 59455, Start Num: 13
Candidate Starts for Lolalove_67:
(2, 58772), (3, 58814), (5, 58982), (6, 59024), (10, 59093), (11, 59126), (Start: 13 @59168 has 8 MA's), (14, 59180), (16, 59270), (18, 59279), (19, 59354),

Gene: Mithril_65 Start: 59164, Stop: 59451, Start Num: 13

Candidate Starts for Mithril_65:
(1, 58660), (2, 58768), (3, 58810), (5, 58978), (6, 59020), (10, 59089), (11, 59122), (Start: 13 @59164 has 8 MA's), (14, 59176), (16, 59266), (18, 59275),

Gene: RawrgerThat_66 Start: 58988, Stop: 59275, Start Num: 13
Candidate Starts for RawrgerThat_66:
(10, 58913), (11, 58946), (Start: 13 @58988 has 8 MA's), (14, 59000), (16, 59090), (18, 59099),

Gene: VioletZ_67 Start: 59092, Stop: 59379, Start Num: 13
Candidate Starts for VioletZ_67:
(Start: 13 @59092 has 8 MA's), (14, 59104), (16, 59194), (18, 59203),

Gene: Xincheng_65 Start: 60192, Stop: 60479, Start Num: 13
Candidate Starts for Xincheng_65:
(9, 60108), (Start: 13 @60192 has 8 MA's), (14, 60204), (16, 60294), (18, 60303), (19, 60378),

Gene: Zemanar_65 Start: 58879, Stop: 59166, Start Num: 13
Candidate Starts for Zemanar_65:
(4, 58672), (5, 58699), (6, 58741), (7, 58744), (8, 58762), (10, 58804), (11, 58837), (Start: 13 @58879 has 8 MA's), (14, 58891), (16, 58981), (18, 58990),