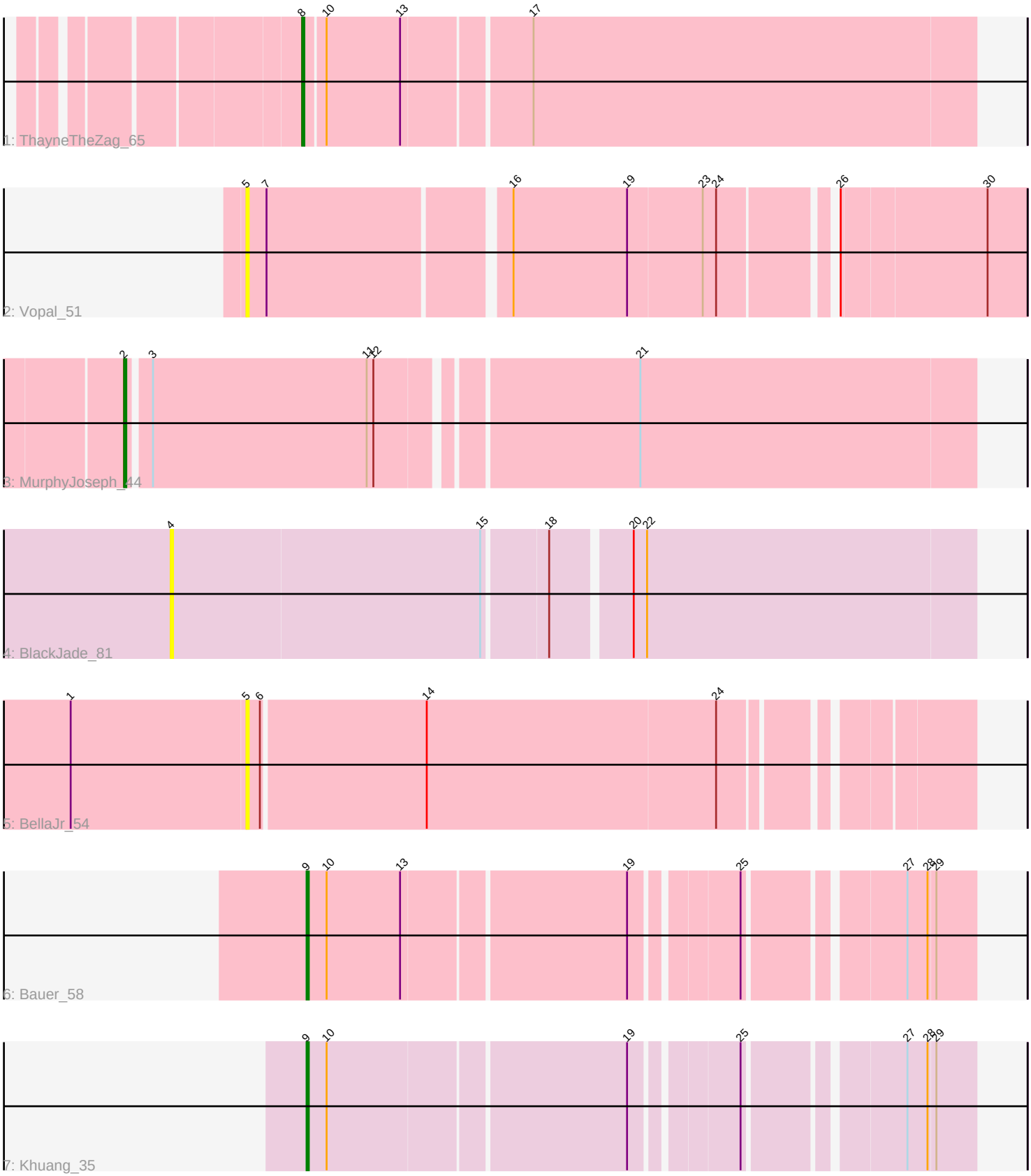
Pham 348350


8
10
13
17
1: ThayneTheZag_65
5
7
16
19
23
24
26
30
2: Vopal_51
2
3
11
12
21
3: MurphyJoseph_44
4
15
18
20
22
4: BlackJade_81
1
5
6
14
24
5: BellaJr_54
9
10
13
19
25
27
28
29
6: Bauer_58
9
10
19
25
27
28
29
7: Khuang_35

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 348350 Report

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

Pham number 348350 has 7 members, 3 are drafts.

Phages represented in each track:
• Track 1 : ThayneTheZag_65
• Track 2 : Vopal_51
• Track 3 : MurphyJoseph_44
• Track 4 : BlackJade_81
• Track 5 : BellaJr_54
• Track 6 : Bauer_58
• Track 7 : Khuang_35

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

The start number called the most often in the published annotations is 9, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bauer_58, Khuang_35,

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

Genes that do not have the "Most Annotated" start:
• BellaJr_54, BlackJade_81, MurphyJoseph_44, ThayneTheZag_65, Vopal_51,

Summary by start number:

Start 2:
• Found in 1 of 7 (14.3%) 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: MurphyJoseph_44 (AY),

Start 4:
• Found in 1 of 7 (14.3%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present

• Phage (with cluster) where this start called: BlackJade_81 (FL),

Start 5:
• Found in 2 of 7 (28.6%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BellaJr_54 (FN), Vopal_51 (AY),

Start 8:
• Found in 1 of 7 (14.3%) 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: ThayneTheZag_65 (AY),

Start 9:
• Found in 2 of 7 (28.6%) 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: Bauer_58 (FN), Khuang_35 (FS),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FS, FL, FN,

Info for manual annotations of cluster AY:
•Start number 2 was manually annotated 1 time for cluster AY.
•Start number 8 was manually annotated 1 time for cluster AY.

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

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

Gene Information:

Gene: Bauer_58 Start: 32955, Stop: 33227, Start Num: 9
Candidate Starts for Bauer_58:
(Start: 9 @32955 has 2 MA's), (10, 32964), (13, 32997), (19, 33093), (25, 33135), (27, 33198), (28, 33207), (29, 33210),

Gene: BellaJr_54 Start: 32861, Stop: 33166, Start Num: 5
Candidate Starts for BellaJr_54:
(1, 32783), (5, 32861), (6, 32867), (14, 32939), (24, 33068),

Gene: BlackJade_81 Start: 43909, Stop: 44259, Start Num: 4
Candidate Starts for BlackJade_81:
(4, 43909), (15, 44047), (18, 44074), (20, 44107), (22, 44113),

Gene: Khuang_35 Start: 24689, Stop: 24417, Start Num: 9

Candidate Starts for Khuang_35:
(Start: 9 @24689 has 2 MA's), (10, 24680), (19, 24551), (25, 24509), (27, 24446), (28, 24437), (29, 24434),

Gene: MurphyJoseph_44 Start: 28927, Stop: 29292, Start Num: 2
Candidate Starts for MurphyJoseph_44:
(Start: 2 @28927 has 1 MA's), (3, 28936), (11, 29032), (12, 29035), (21, 29143),

Gene: ThayneTheZag_65 Start: 34279, Stop: 34572, Start Num: 8
Candidate Starts for ThayneTheZag_65:
(Start: 8 @34279 has 1 MA's), (10, 34288), (13, 34321), (17, 34375),

Gene: Vopal_51 Start: 33363, Stop: 33689, Start Num: 5
Candidate Starts for Vopal_51:
(5, 33363), (7, 33372), (16, 33474), (19, 33525), (23, 33558), (24, 33564), (26, 33609), (30, 33672),