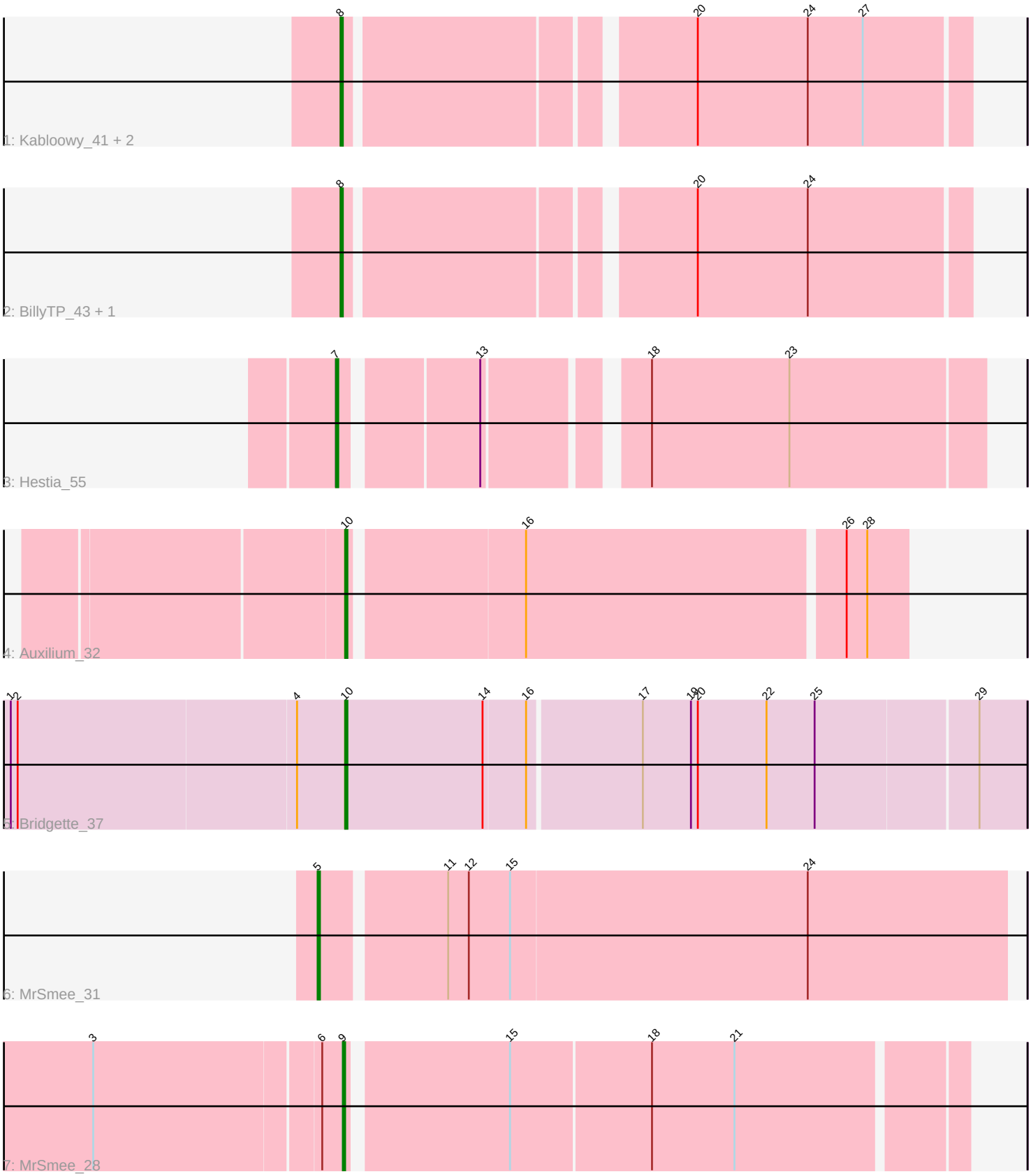
Pham 348249


8
20
24
27
1: Kabloowy_41 + 2
8
20
24
2: BillyTP_43 + 1
7
13
18
23
3: Hestia_55
10
16
26
28
4: Auxilium_32
12
4
10
14
16
17
19
20
22
25
29
5: Bridgette_37
5
11
12
15
24
6: MrSmee_31
3
6
9
15
18
21
7: MrSmee_28

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 348249 Report

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

Pham number 348249 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Kabloowy_41, RadFad_41, Hillester_41
• Track 2 : BillyTP_43, Sporco_43
• Track 3 : Hestia_55
• Track 4 : Auxilium_32
• Track 5 : Bridgette_37
• Track 6 : MrSmee_31
• Track 7 : MrSmee_28

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

The start number called the most often in the published annotations is 8, it was called in 5 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BillyTP_43, Hillester_41, Kabloowy_41, RadFad_41, Sporco_43,

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

Genes that do not have the "Most Annotated" start:
• Auxilium_32, Bridgette_37, Hestia_55, MrSmee_28, MrSmee_31,

Summary by start number:

Start 5:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MrSmee_31 (FQ1),

Start 7:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Hestia_55 (AY),

Start 8:
• Found in 5 of 10 (50.0%) of genes in pham
• Manual Annotations of this start: 5 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BillyTP_43 (AY), Hillester_41 (AY), Kabloowy_41 (AY), RadFad_41 (AY), Sporco_43 (AY),

Start 9:
• Found in 1 of 10 (10.0%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MrSmee_28 (FQ1),

Start 10:
• Found in 2 of 10 (20.0%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Auxilium_32 (AY), Bridgette_37 (FA),

Summary by clusters:

There are 3 clusters represented in this pham: AY, FA, FQ1,

Info for manual annotations of cluster AY:
•Start number 7 was manually annotated 1 time for cluster AY.
•Start number 8 was manually annotated 5 times for cluster AY.
•Start number 10 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster FA:
•Start number 10 was manually annotated 1 time for cluster FA.

Info for manual annotations of cluster FQ1:
•Start number 5 was manually annotated 1 time for cluster FQ1.
•Start number 9 was manually annotated 1 time for cluster FQ1.

Gene Information:

Gene: Auxilium_32 Start: 21344, Stop: 21577, Start Num: 10
Candidate Starts for Auxilium_32:
(Start: 10 @21344 has 2 MA's), (16, 21416), (26, 21551), (28, 21560),

Gene: BillyTP_43 Start: 29327, Stop: 29073, Start Num: 8
Candidate Starts for BillyTP_43:
(Start: 8 @29327 has 5 MA's), (20, 29189), (24, 29141),

Gene: Bridgette_37 Start: 26378, Stop: 26668, Start Num: 10
Candidate Starts for Bridgette_37:
(1, 26234), (2, 26237), (4, 26357), (Start: 10 @26378 has 2 MA's), (14, 26438), (16, 26456), (17, 26504), (19, 26525), (20, 26528), (22, 26558), (25, 26579), (29, 26648),

Gene: Hestia_55 Start: 31927, Stop: 32184, Start Num: 7
Candidate Starts for Hestia_55:
(Start: 7 @31927 has 1 MA's), (13, 31981), (18, 32041), (23, 32101),

Gene: Hillester_41 Start: 28078, Stop: 27824, Start Num: 8
Candidate Starts for Hillester_41:
(Start: 8 @28078 has 5 MA's), (20, 27940), (24, 27892), (27, 27868),

Gene: Kabloowy_41 Start: 28196, Stop: 27942, Start Num: 8
Candidate Starts for Kabloowy_41:
(Start: 8 @28196 has 5 MA's), (20, 28058), (24, 28010), (27, 27986),

Gene: MrSmee_31 Start: 23680, Stop: 23387, Start Num: 5
Candidate Starts for MrSmee_31:
(Start: 5 @23680 has 1 MA's), (11, 23629), (12, 23620), (15, 23602), (24, 23473),

Gene: MrSmee_28 Start: 22939, Stop: 22682, Start Num: 9
Candidate Starts for MrSmee_28:
(3, 23044), (6, 22948), (Start: 9 @22939 has 1 MA's), (15, 22873), (18, 22813), (21, 22777),

Gene: RadFad_41 Start: 28078, Stop: 27824, Start Num: 8
Candidate Starts for RadFad_41:
(Start: 8 @28078 has 5 MA's), (20, 27940), (24, 27892), (27, 27868),

Gene: Sporco_43 Start: 28586, Stop: 28329, Start Num: 8
Candidate Starts for Sporco_43:
(Start: 8 @28586 has 5 MA's), (20, 28448), (24, 28400),