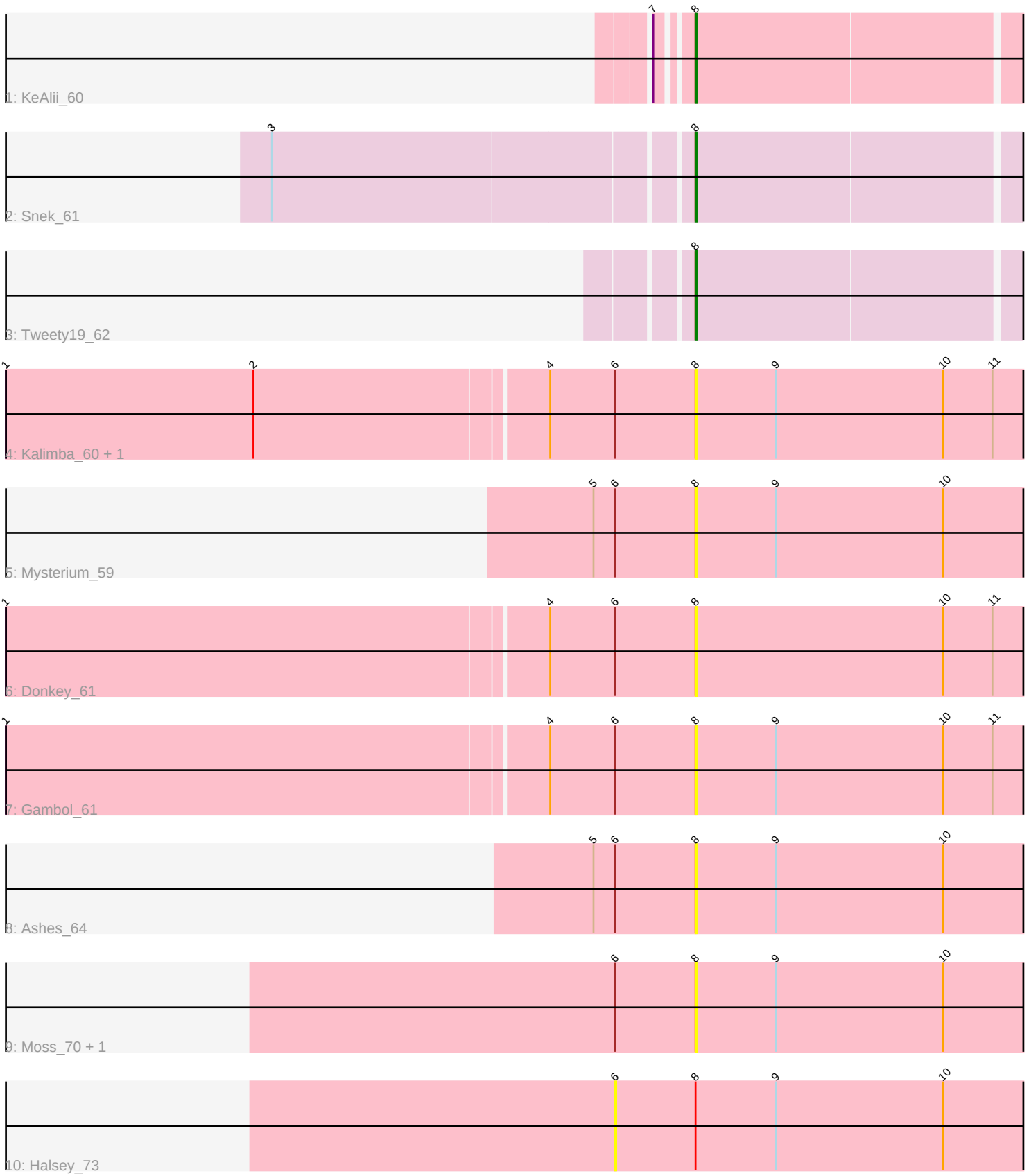
Pham 196990


7
8
1: KeAlii_60
3
8
2: Snek_61
8
3: Tweety19_62
1
2
4
6
8
9
10
11
4: Kalimba_60 + 1
5
6
8
9
10
5: Mysterium_59
1
4
6
8
10
11
6: Donkey_61
1
4
6
8
9
10
11
7: Gambol_61
5
6
8
9
10
8: Ashes_64
6
8
9
10
9: Moss_70 + 1
6
8
9
10
10: Halsey_73

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 196990 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196990 has 12 members, 9 are drafts.

Phages represented in each track:
• Track 1 : KeAlii_60
• Track 2 : Snek_61
• Track 3 : Tweety19_62
• Track 4 : Kalimba_60, Cappuccino_60
• Track 5 : Mysterium_59
• Track 6 : Donkey_61
• Track 7 : Gambol_61
• Track 8 : Ashes_64
• Track 9 : Moss_70, SpecialK_69
• Track 10 : Halsey_73

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 3 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ashes_64, Cappuccino_60, Donkey_61, Gambol_61, Kalimba_60, KeAlii_60, Moss_70, Mysterium_59, Snek_61, SpecialK_69, Tweety19_62,

Genes that have the "Most Annotated" start but do not call it:
• Halsey_73,

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

Summary by start number:

Start 6:
• Found in 9 of 12 (75.0%) of genes in pham
• No Manual Annotations of this start.
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Halsey_73 (AZ5),

Start 8:
• Found in 12 of 12 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 3
• Called 91.7% of time when present
• Phage (with cluster) where this start called: Ashes_64 (AZ5), Cappuccino_60 (AZ5), Donkey_61 (AZ5), Gambol_61 (AZ5), Kalimba_60 (AZ5), KeAlii_60 (AZ1), Moss_70 (AZ5), Mysterium_59 (AZ5), Snek_61 (AZ3), SpecialK_69 (AZ5), Tweety19_62 (AZ3),

Summary by clusters:

There are 3 clusters represented in this pham: AZ1, AZ3, AZ5,

Info for manual annotations of cluster AZ1:
•Start number 8 was manually annotated 1 time for cluster AZ1.

Info for manual annotations of cluster AZ3:
•Start number 8 was manually annotated 2 times for cluster AZ3.

Gene Information:

Gene: Ashes_64 Start: 38079, Stop: 38405, Start Num: 8
Candidate Starts for Ashes_64:
(5, 37980), (6, 38001), (Start: 8 @38079 has 3 MA's), (9, 38157), (10, 38319),

Gene: Cappuccino_60 Start: 37929, Stop: 38255, Start Num: 8
Candidate Starts for Cappuccino_60:
(1, 37272), (2, 37512), (4, 37788), (6, 37851), (Start: 8 @37929 has 3 MA's), (9, 38007), (10, 38169), (11, 38217),

Gene: Donkey_61 Start: 37919, Stop: 38245, Start Num: 8
Candidate Starts for Donkey_61:
(1, 37262), (4, 37778), (6, 37841), (Start: 8 @37919 has 3 MA's), (10, 38159), (11, 38207),

Gene: Gambol_61 Start: 37938, Stop: 38264, Start Num: 8
Candidate Starts for Gambol_61:
(1, 37281), (4, 37797), (6, 37860), (Start: 8 @37938 has 3 MA's), (9, 38016), (10, 38178), (11, 38226),

Gene: Halsey_73 Start: 37991, Stop: 38395, Start Num: 6
Candidate Starts for Halsey_73:
(6, 37991), (Start: 8 @38069 has 3 MA's), (9, 38147), (10, 38309),

Gene: Kalimba_60 Start: 37916, Stop: 38242, Start Num: 8
Candidate Starts for Kalimba_60:
(1, 37259), (2, 37499), (4, 37775), (6, 37838), (Start: 8 @37916 has 3 MA's), (9, 37994), (10, 38156), (11, 38204),

Gene: KeAlii_60 Start: 39873, Stop: 40187, Start Num: 8
Candidate Starts for KeAlii_60:
(7, 39846), (Start: 8 @39873 has 3 MA's),

Gene: Moss_70 Start: 38016, Stop: 38342, Start Num: 8
Candidate Starts for Moss_70:
(6, 37938), (Start: 8 @38016 has 3 MA's), (9, 38094), (10, 38256),

Gene: Mysterium_59 Start: 37857, Stop: 38183, Start Num: 8
Candidate Starts for Mysterium_59:
(5, 37758), (6, 37779), (Start: 8 @37857 has 3 MA's), (9, 37935), (10, 38097),

Gene: Snek_61 Start: 38593, Stop: 38904, Start Num: 8
Candidate Starts for Snek_61:
(3, 38203), (Start: 8 @38593 has 3 MA's),

Gene: SpecialK_69 Start: 37925, Stop: 38251, Start Num: 8
Candidate Starts for SpecialK_69:
(6, 37847), (Start: 8 @37925 has 3 MA's), (9, 38003), (10, 38165),

Gene: Tweety19_62 Start: 38594, Stop: 38905, Start Num: 8
Candidate Starts for Tweety19_62:
(Start: 8 @38594 has 3 MA's),