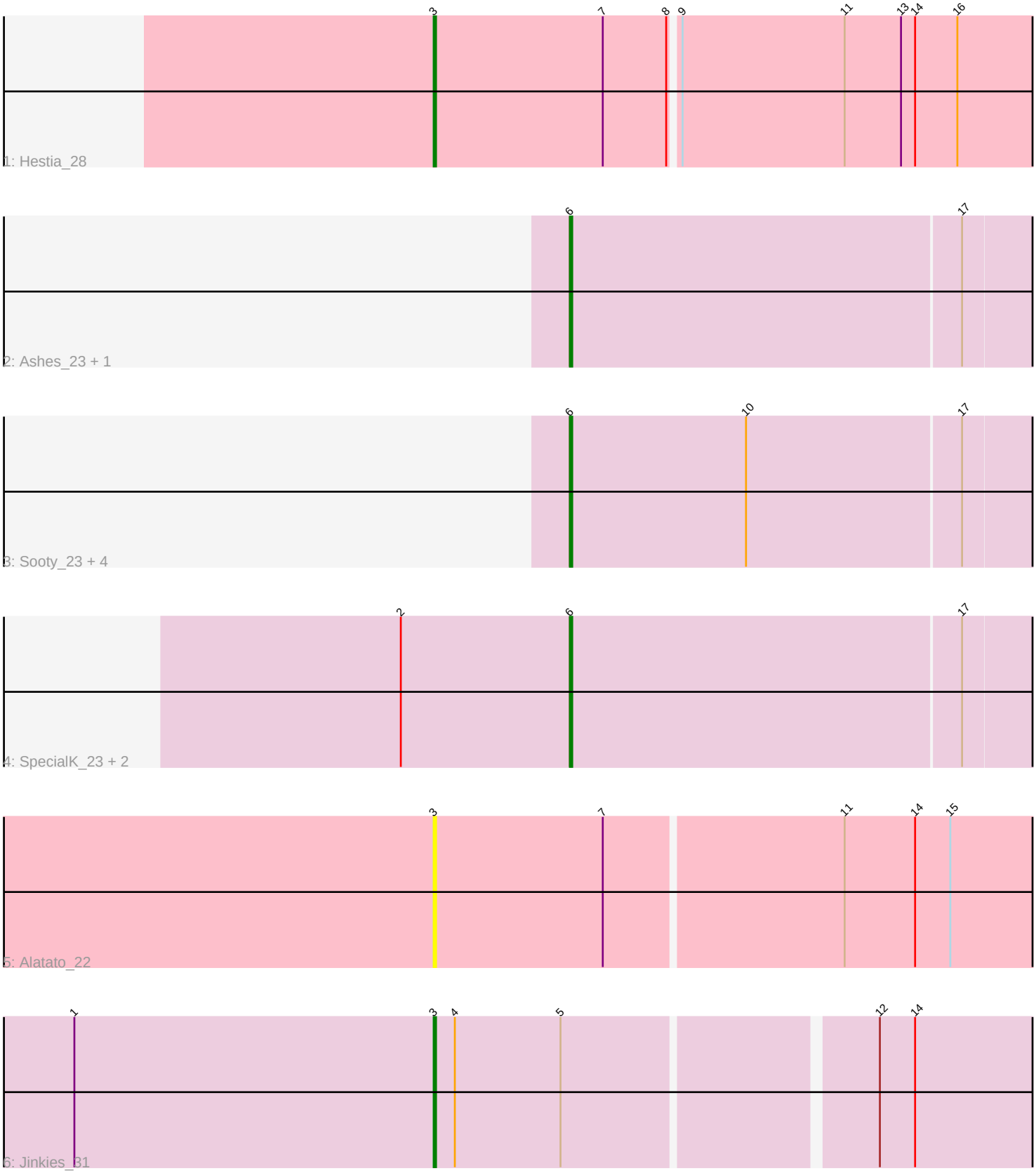
Pham 200746


3
7
8
9
11
13
14
16
1: Hestia_28
6
17
2: Ashes_23 + 1
6
10
17
3: Sooty_23 + 4
2
6
17
4: SpecialK_23 + 2
3
7
11
14
15
5: Alatato_22
1
3
4
5
12
14
6: Jinkies_31

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 200746 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200746 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Hestia_28
• Track 2 : Ashes_23, Mysterium_23
• Track 3 : Sooty_23, Kalimba_23, Cappuccino_23, Gambol_23, Donkey_23
• Track 4 : SpecialK_23, Halsey_23, Moss_23
• Track 5 : Alatato_22
• Track 6 : Jinkies_31

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

The start number called the most often in the published annotations is 6, it was called in 10 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ashes_23, Cappuccino_23, Donkey_23, Gambol_23, Halsey_23, Kalimba_23, Moss_23, Mysterium_23, Sooty_23, SpecialK_23,

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

Genes that do not have the "Most Annotated" start:
• Alatato_22, Hestia_28, Jinkies_31,

Summary by start number:

Start 3:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 2 of 12
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_22 (FB), Hestia_28 (AY), Jinkies_31 (FL),

Start 6:
• Found in 10 of 13 (76.9%) of genes in pham
• Manual Annotations of this start: 10 of 12

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ashes_23 (AZ5), Cappuccino_23 (AZ5), Donkey_23 (AZ5), Gambol_23 (AZ5), Halsey_23 (AZ5), Kalimba_23 (AZ5), Moss_23 (AZ5), Mysterium_23 (AZ5), Sooty_23 (AZ5), SpecialK_23 (AZ5),

Summary by clusters:

There are 4 clusters represented in this pham: AY, FB, FL, AZ5,

Info for manual annotations of cluster AY:
•Start number 3 was manually annotated 1 time for cluster AY.

Info for manual annotations of cluster AZ5:
•Start number 6 was manually annotated 10 times for cluster AZ5.

Info for manual annotations of cluster FL:
•Start number 3 was manually annotated 1 time for cluster FL.

Gene Information:

Gene: Alatato_22 Start: 17463, Stop: 17723, Start Num: 3
Candidate Starts for Alatato_22:
(Start: 3 @17463 has 2 MA's), (7, 17535), (11, 17634), (14, 17664), (15, 17679),

Gene: Ashes_23 Start: 18268, Stop: 18474, Start Num: 6
Candidate Starts for Ashes_23:
(Start: 6 @18268 has 10 MA's), (17, 18433),

Gene: Cappuccino_23 Start: 18179, Stop: 18385, Start Num: 6
Candidate Starts for Cappuccino_23:
(Start: 6 @18179 has 10 MA's), (10, 18254), (17, 18344),

Gene: Donkey_23 Start: 18179, Stop: 18385, Start Num: 6
Candidate Starts for Donkey_23:
(Start: 6 @18179 has 10 MA's), (10, 18254), (17, 18344),

Gene: Gambol_23 Start: 18179, Stop: 18385, Start Num: 6
Candidate Starts for Gambol_23:
(Start: 6 @18179 has 10 MA's), (10, 18254), (17, 18344),

Gene: Halsey_23 Start: 18274, Stop: 18480, Start Num: 6
Candidate Starts for Halsey_23:
(2, 18202), (Start: 6 @18274 has 10 MA's), (17, 18439),

Gene: Hestia_28 Start: 20403, Stop: 20663, Start Num: 3
Candidate Starts for Hestia_28:
(Start: 3 @20403 has 2 MA's), (7, 20475), (8, 20502), (9, 20505), (11, 20574), (13, 20598), (14, 20604), (16, 20622),

Gene: Jinkies_31 Start: 24736, Stop: 24990, Start Num: 3

Candidate Starts for Jinkies_31:
(1, 24583), (Start: 3 @24736 has 2 MA's), (4, 24745), (5, 24790), (12, 24916), (14, 24931),

Gene: Kalimba_23 Start: 18180, Stop: 18386, Start Num: 6
Candidate Starts for Kalimba_23:
(Start: 6 @18180 has 10 MA's), (10, 18255), (17, 18345),

Gene: Moss_23 Start: 18269, Stop: 18475, Start Num: 6
Candidate Starts for Moss_23:
(2, 18197), (Start: 6 @18269 has 10 MA's), (17, 18434),

Gene: Mysterium_23 Start: 18269, Stop: 18475, Start Num: 6
Candidate Starts for Mysterium_23:
(Start: 6 @18269 has 10 MA's), (17, 18434),

Gene: Sooty_23 Start: 18181, Stop: 18387, Start Num: 6
Candidate Starts for Sooty_23:
(Start: 6 @18181 has 10 MA's), (10, 18256), (17, 18346),

Gene: SpecialK_23 Start: 18176, Stop: 18382, Start Num: 6
Candidate Starts for SpecialK_23:
(2, 18104), (Start: 6 @18176 has 10 MA's), (17, 18341),