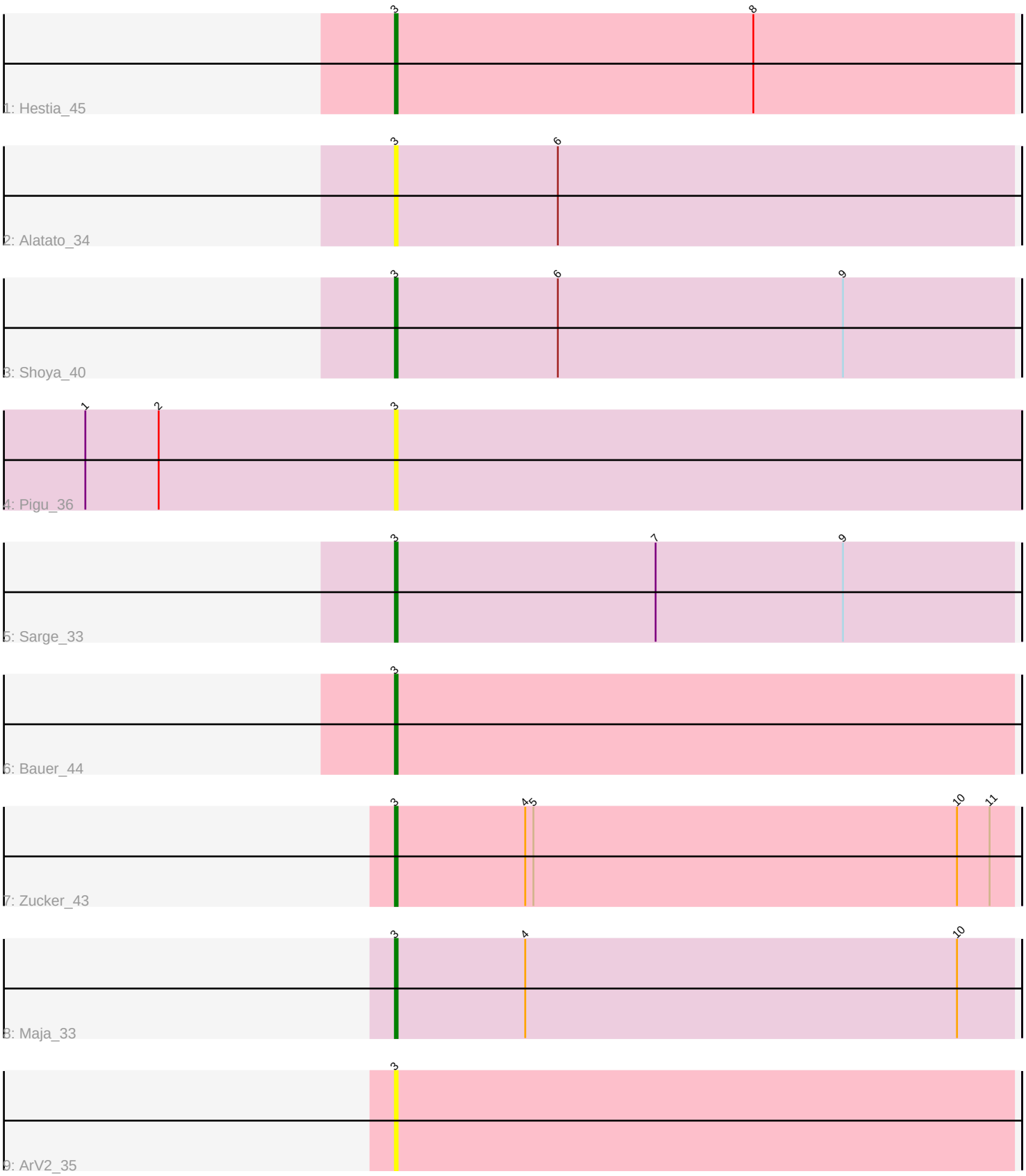
Pham 214908


3
8
1: Hestia_45
3
6
2: Alatato_34
3
6
9
3: Shoya_40
1
2
3
4: Pigu_36
3
7
9
5: Sarge_33
3
6: Bauer_44
3
4
5
10
11
7: Zucker_43
3
4
10
8: Maja_33
3
9: ArV2_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 214908 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214908 has 9 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Hestia_45
• Track 2 : Alatato_34
• Track 3 : Shoya_40
• Track 4 : Pigu_36
• Track 5 : Sarge_33
• Track 6 : Bauer_44
• Track 7 : Zucker_43
• Track 8 : Maja_33
• Track 9 : ArV2_35

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alatato_34, ArV2_35, Bauer_44, Hestia_45, Maja_33, Pigu_36, Sarge_33, Shoya_40, Zucker_43,

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

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

Summary by start number:

Start 3:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_34 (FB), ArV2_35 (singleton), Bauer_44 (FN), Hestia_45 (AY), Maja_33 (FO), Pigu_36 (FB), Sarge_33 (FB), Shoya_40 (FB), Zucker_43 (FN),

Summary by clusters:

There are 5 clusters represented in this pham: AY, FB, singleton, FN, FO,

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

Info for manual annotations of cluster FB:
•Start number 3 was manually annotated 2 times for cluster FB.

Info for manual annotations of cluster FN:
•Start number 3 was manually annotated 2 times for cluster FN.

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

Gene Information:

Gene: Alatato_34 Start: 25489, Stop: 25716, Start Num: 3
Candidate Starts for Alatato_34:
(Start: 3 @25489 has 6 MA's), (6, 25549),

Gene: ArV2_35 Start: 24447, Stop: 24674, Start Num: 3
Candidate Starts for ArV2_35:
(Start: 3 @24447 has 6 MA's),

Gene: Bauer_44 Start: 29731, Stop: 29958, Start Num: 3
Candidate Starts for Bauer_44:
(Start: 3 @29731 has 6 MA's),

Gene: Hestia_45 Start: 29565, Stop: 29792, Start Num: 3
Candidate Starts for Hestia_45:
(Start: 3 @29565 has 6 MA's), (8, 29697),

Gene: Maja_33 Start: 26682, Stop: 26909, Start Num: 3
Candidate Starts for Maja_33:
(Start: 3 @26682 has 6 MA's), (4, 26730), (10, 26889),

Gene: Pigu_36 Start: 25386, Stop: 25616, Start Num: 3
Candidate Starts for Pigu_36:
(1, 25272), (2, 25299), (Start: 3 @25386 has 6 MA's),

Gene: Sarge_33 Start: 24068, Stop: 24295, Start Num: 3
Candidate Starts for Sarge_33:
(Start: 3 @24068 has 6 MA's), (7, 24164), (9, 24233),

Gene: Shoya_40 Start: 26509, Stop: 26736, Start Num: 3
Candidate Starts for Shoya_40:
(Start: 3 @26509 has 6 MA's), (6, 26569), (9, 26674),

Gene: Zucker_43 Start: 30252, Stop: 30479, Start Num: 3
Candidate Starts for Zucker_43:
(Start: 3 @30252 has 6 MA's), (4, 30300), (5, 30303), (10, 30459), (11, 30471),