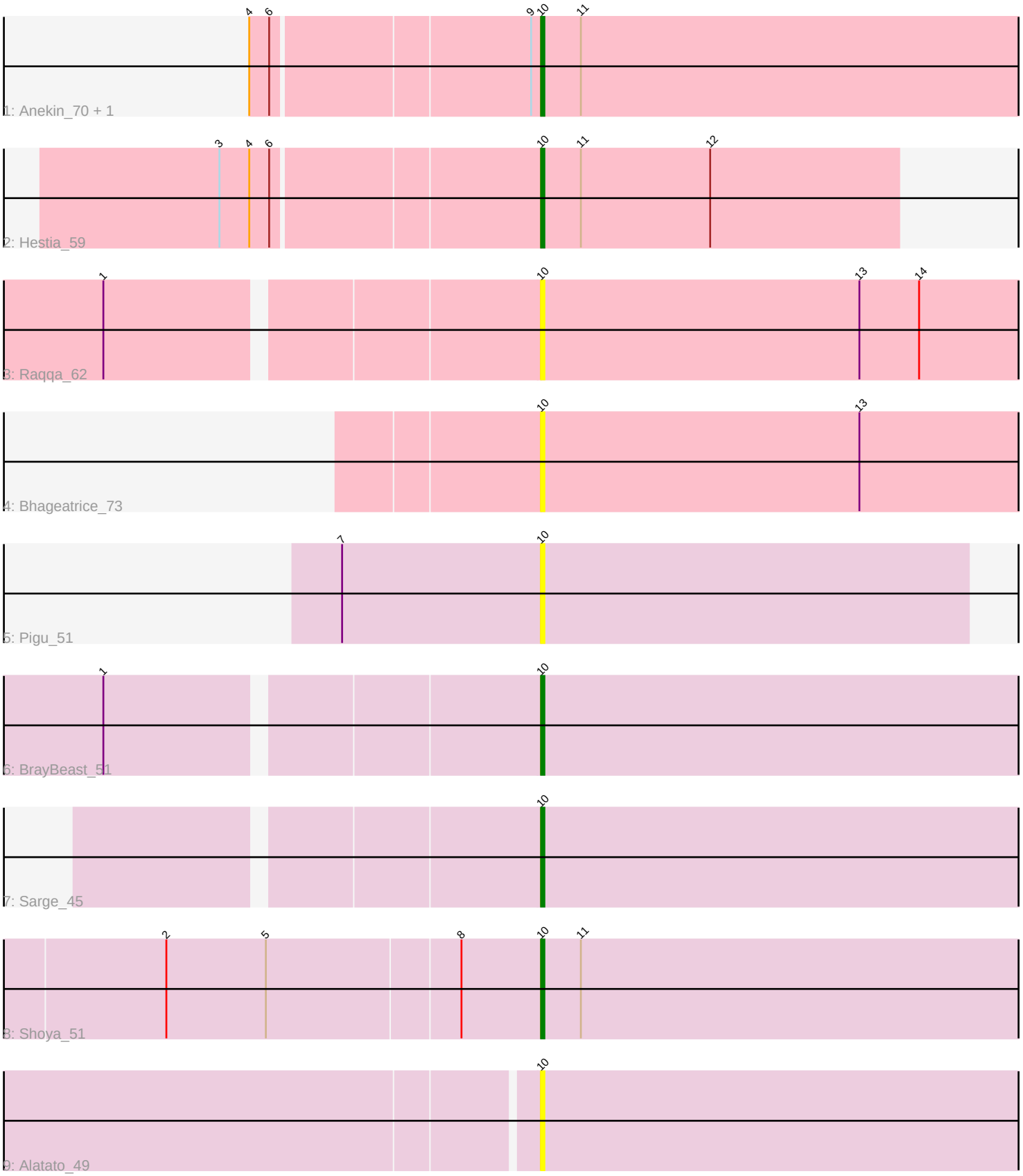
Pham 213197


4
6
9
10
11
1: Anekin_70 + 1
3
4
6
10
11
12
2: Hestia_59
1
10
13
14
3: Raqqa_62
10
13
4: Bhageatrice_73
7
10
5: Pigu_51
1
10
6: BrayBeast_51
10
7: Sarge_45
2
5
8
10
11
8: Shoya_51
10
9: Alatato_49

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 213197 Report

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

Pham number 213197 has 10 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Anekin_70, BlueShadow_69
• Track 2 : Hestia_59
• Track 3 : Raqqa_62
• Track 4 : Bhageatrice_73
• Track 5 : Pigu_51
• Track 6 : BrayBeast_51
• Track 7 : Sarge_45
• Track 8 : Shoya_51
• Track 9 : Alatato_49

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

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

Genes that call this "Most Annotated" start:
• Alatato_49, Anekin_70, Bhageatrice_73, BlueShadow_69, BrayBeast_51, Hestia_59, Pigu_51, Raqqa_62, Sarge_45, Shoya_51,

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 10:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Alatato_49 (FB), Anekin_70 (AY), Bhageatrice_73 (AY), BlueShadow_69 (AY), BrayBeast_51 (FB), Hestia_59 (AY), Pigu_51 (FB), Raqqa_62 (AY), Sarge_45 (FB), Shoya_51 (FB),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FB,

Info for manual annotations of cluster AY:
•Start number 10 was manually annotated 2 times for cluster AY.

Info for manual annotations of cluster FB:
•Start number 10 was manually annotated 3 times for cluster FB.

Gene Information:

Gene: Alatato_49 Start: 29606, Stop: 29755, Start Num: 10
Candidate Starts for Alatato_49:
(Start: 10 @29606 has 5 MA's),

Gene: Anekin_70 Start: 36609, Stop: 36758, Start Num: 10
Candidate Starts for Anekin_70:
(4, 36525), (6, 36531), (9, 36606), (Start: 10 @36609 has 5 MA's), (11, 36621),

Gene: Bhageatrice_73 Start: 38560, Stop: 38709, Start Num: 10
Candidate Starts for Bhageatrice_73:
(Start: 10 @38560 has 5 MA's), (13, 38656),

Gene: BlueShadow_69 Start: 35620, Stop: 35769, Start Num: 10
Candidate Starts for BlueShadow_69:
(4, 35536), (6, 35542), (9, 35617), (Start: 10 @35620 has 5 MA's), (11, 35632),

Gene: BrayBeast_51 Start: 29661, Stop: 29810, Start Num: 10
Candidate Starts for BrayBeast_51:
(1, 29538), (Start: 10 @29661 has 5 MA's),

Gene: Hestia_59 Start: 33177, Stop: 33284, Start Num: 10
Candidate Starts for Hestia_59:
(3, 33084), (4, 33093), (6, 33099), (Start: 10 @33177 has 5 MA's), (11, 33189), (12, 33228),

Gene: Pigu_51 Start: 28594, Stop: 28722, Start Num: 10
Candidate Starts for Pigu_51:
(7, 28534), (Start: 10 @28594 has 5 MA's),

Gene: Raqqa_62 Start: 33690, Stop: 33839, Start Num: 10
Candidate Starts for Raqqa_62:
(1, 33567), (Start: 10 @33690 has 5 MA's), (13, 33786), (14, 33804),

Gene: Sarge_45 Start: 27408, Stop: 27557, Start Num: 10
Candidate Starts for Sarge_45:
(Start: 10 @27408 has 5 MA's),

Gene: Shoya_51 Start: 29581, Stop: 29730, Start Num: 10
Candidate Starts for Shoya_51:

(2, 29470), (5, 29500), (8, 29557), (Start: 10 @29581 has 5 MA's), (11, 29593),