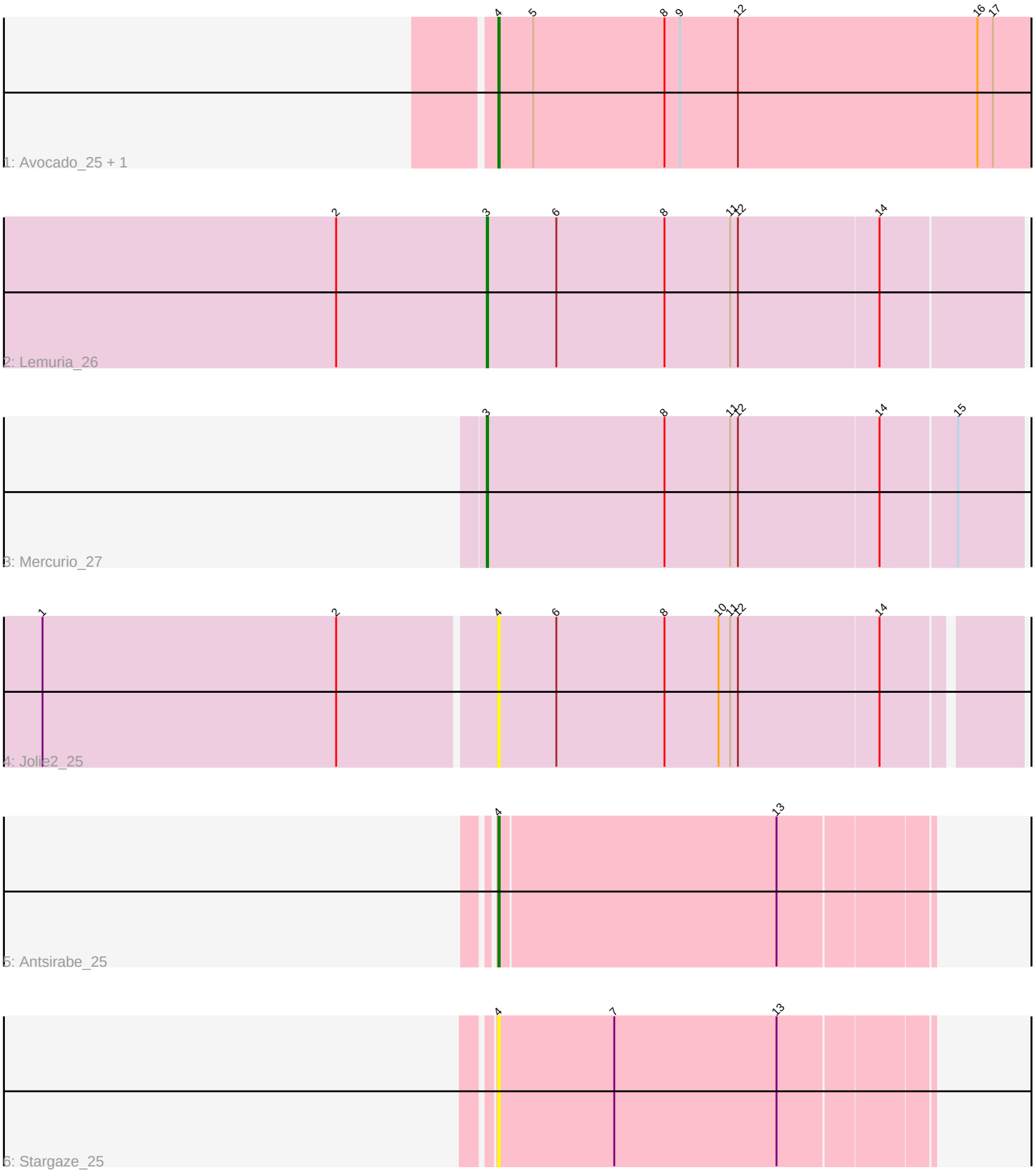
Pham 7345


4
5
8
9
12
16
17
1: Avocado_25 + 1
2
3
6
8
11
12
14
2: Lemuria_26
3
8
11
12
14
15
3: Mercurio_27
1
2
4
6
8
10
11
12
14
4: Jolie2_25
4
13
5: Antsirabe_25
4
7
13
6: Stargaze_25

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 7345 Report

This analysis was run 04/28/24 on database version 559.

Pham number 7345 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Avocado_25, Cambiare_26
• Track 2 : Lemuria_26
• Track 3 : Mercurio_27
• Track 4 : Jolie2_25
• Track 5 : Antsirabe_25
• Track 6 : Stargaze_25

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

The start number called the most often in the published annotations is 4, it was called in 3 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Antsirabe_25, Avocado_25, Cambiare_26, Jolie2_25, Stargaze_25,

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

Genes that do not have the "Most Annotated" start:
• Lemuria_26, Mercurio_27,

Summary by start number:

Start 3:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lemuria_26 (G4), Mercurio_27 (G4),

Start 4:
• Found in 5 of 7 (71.4%) of genes in pham
• Manual Annotations of this start: 3 of 5
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Antsirabe_25 (G5), Avocado_25 (G2), Cambiare_26 (G2), Jolie2_25 (G4), Stargaze_25 (G5),

Summary by clusters:

There are 3 clusters represented in this pham: G5, G4, G2,

Info for manual annotations of cluster G2:
•Start number 4 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster G4:
•Start number 3 was manually annotated 2 times for cluster G4.

Info for manual annotations of cluster G5:
•Start number 4 was manually annotated 1 time for cluster G5.

Gene Information:

Gene: Antsirabe_25 Start: 25037, Stop: 25363, Start Num: 4
Candidate Starts for Antsirabe_25:
(Start: 4 @25037 has 3 MA's), (13, 25250),

Gene: Avocado_25 Start: 25078, Stop: 25503, Start Num: 4
Candidate Starts for Avocado_25:
(Start: 4 @25078 has 3 MA's), (5, 25105), (8, 25207), (9, 25219), (12, 25264), (16, 25450), (17, 25462),

Gene: Cambiare_26 Start: 25543, Stop: 25968, Start Num: 4
Candidate Starts for Cambiare_26:
(Start: 4 @25543 has 3 MA's), (5, 25570), (8, 25672), (9, 25684), (12, 25729), (16, 25915), (17, 25927),

Gene: Jolie2_25 Start: 23801, Stop: 24193, Start Num: 4
Candidate Starts for Jolie2_25:
(1, 23459), (2, 23687), (Start: 4 @23801 has 3 MA's), (6, 23846), (8, 23930), (10, 23972), (11, 23981), (12, 23987), (14, 24095),

Gene: Lemuria_26 Start: 24884, Stop: 25294, Start Num: 3
Candidate Starts for Lemuria_26:
(2, 24767), (Start: 3 @24884 has 2 MA's), (6, 24938), (8, 25022), (11, 25073), (12, 25079), (14, 25187),

Gene: Mercurio_27 Start: 25486, Stop: 25896, Start Num: 3
Candidate Starts for Mercurio_27:
(Start: 3 @25486 has 2 MA's), (8, 25624), (11, 25675), (12, 25681), (14, 25789), (15, 25846),

Gene: Stargaze_25 Start: 24871, Stop: 25200, Start Num: 4
Candidate Starts for Stargaze_25:
(Start: 4 @24871 has 3 MA's), (7, 24961), (13, 25087),