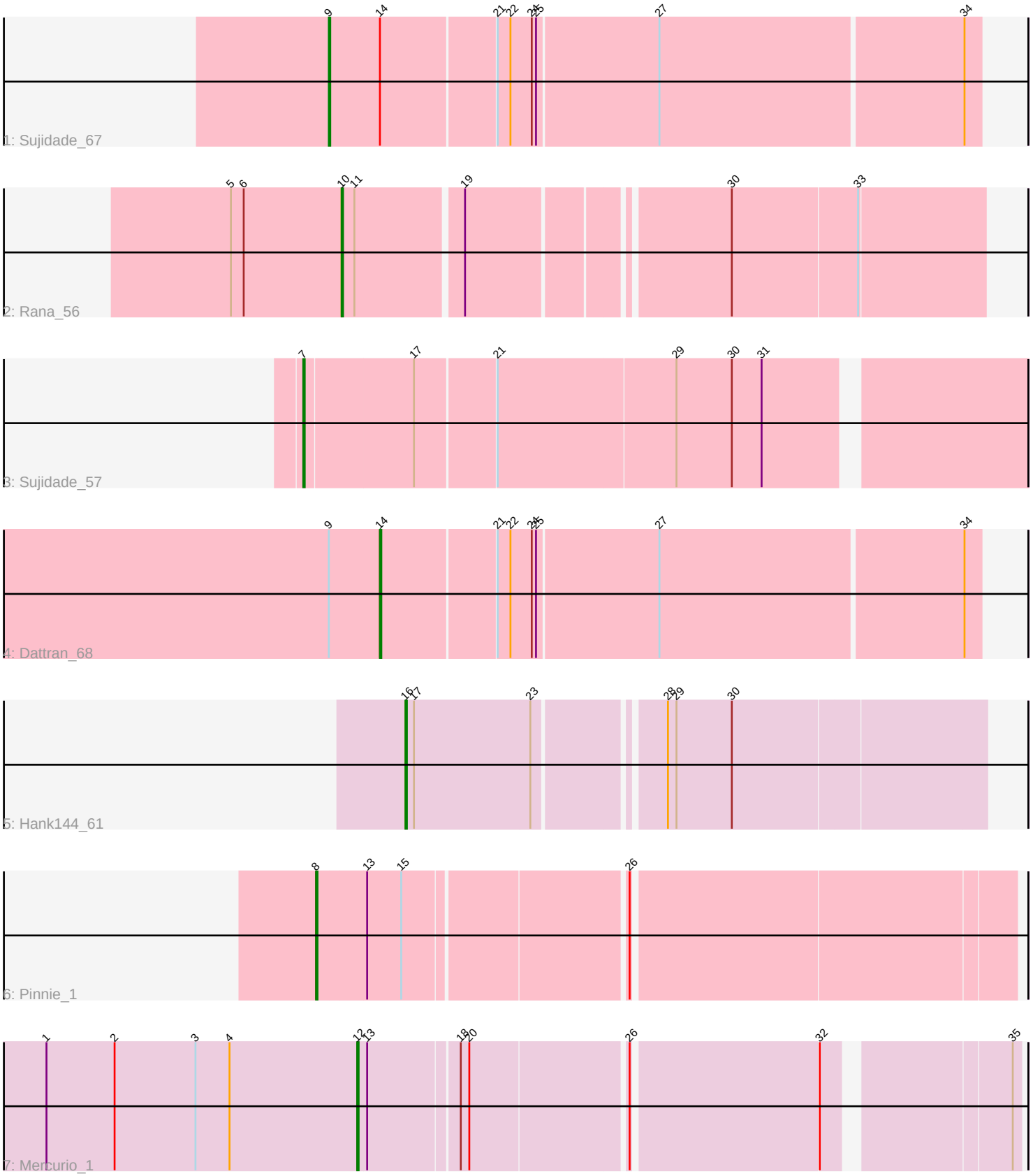
Pham 173528


9
14
21
22
24
25
27
34
1: Sujidade_67
5
6
10
11
19
30
33
2: Rana_56
7
17
21
29
30
31
3: Sujidade_57
9
14
21
22
24
25
27
34
4: Dattran_68
16
17
23
28
29
30
5: Hank144_61
8
13
15
26
6: Pinnie_1
1
2
3
4
12
13
18
20
26
32
35
7: Mercurio_1

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 173528 Report

This analysis was run 11/02/24 on database version 579.

Pham number 173528 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Sujidade_67
• Track 2 : Rana_56
• Track 3 : Sujidade_57
• Track 4 : Dattran_68
• Track 5 : Hank144_61
• Track 6 : Pinnie_1
• Track 7 : Mercurio_1

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

The start number called the most often in the published annotations is 14, it was called in 1 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Dattran_68,

Genes that have the "Most Annotated" start but do not call it:
• Sujidade_67,

Genes that do not have the "Most Annotated" start:
• Hank144_61, Mercurio_1, Pinnie_1, Rana_56, Sujidade_57,

Summary by start number:

Start 7:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Sujidade_57 (BD1),

Start 8:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Pinnie_1 (G3),

Start 9:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Sujidade_67 (BD1),

Start 10:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Rana_56 (BD1),

Start 12:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mercurio_1 (G4),

Start 14:
• Found in 2 of 7 (28.6%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Dattran_68 (BD1),

Start 16:
• Found in 1 of 7 (14.3%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Hank144_61 (BD2),

Summary by clusters:

There are 4 clusters represented in this pham: BD1, G4, G3, BD2,

Info for manual annotations of cluster BD1:
•Start number 7 was manually annotated 1 time for cluster BD1.
•Start number 9 was manually annotated 1 time for cluster BD1.
•Start number 10 was manually annotated 1 time for cluster BD1.
•Start number 14 was manually annotated 1 time for cluster BD1.

Info for manual annotations of cluster BD2:
•Start number 16 was manually annotated 1 time for cluster BD2.

Info for manual annotations of cluster G3:
•Start number 8 was manually annotated 1 time for cluster G3.

Info for manual annotations of cluster G4:
•Start number 12 was manually annotated 1 time for cluster G4.

Gene Information:

Gene: Dattran_68 Start: 45865, Stop: 45455, Start Num: 14
Candidate Starts for Dattran_68:
(Start: 9 @45901 has 1 MA's), (Start: 14 @45865 has 1 MA's), (21, 45787), (22, 45778), (24, 45763), (25, 45760), (27, 45676), (34, 45466),

Gene: Hank144_61 Start: 41838, Stop: 41452, Start Num: 16
Candidate Starts for Hank144_61:
(Start: 16 @41838 has 1 MA's), (17, 41832), (23, 41751), (28, 41670), (29, 41664), (30, 41625),

Gene: Mercurio_1 Start: 275, Stop: 700, Start Num: 12
Candidate Starts for Mercurio_1:
(1, 56), (2, 104), (3, 161), (4, 185), (Start: 12 @275 has 1 MA's), (13, 281), (18, 341), (20, 347), (26, 452), (32, 578), (35, 695),

Gene: Pinnie_1 Start: 56, Stop: 520, Start Num: 8
Candidate Starts for Pinnie_1:
(Start: 8 @56 has 1 MA's), (13, 89), (15, 113), (26, 260),

Gene: Rana_56 Start: 41917, Stop: 41495, Start Num: 10
Candidate Starts for Rana_56:
(5, 41995), (6, 41986), (Start: 10 @41917 has 1 MA's), (11, 41908), (19, 41836), (30, 41668), (33, 41581),

Gene: Sujidade_67 Start: 46444, Stop: 45998, Start Num: 9
Candidate Starts for Sujidade_67:
(Start: 9 @46444 has 1 MA's), (Start: 14 @46408 has 1 MA's), (21, 46330), (22, 46321), (24, 46306), (25, 46303), (27, 46219), (34, 46009),

Gene: Sujidade_57 Start: 42775, Stop: 42293, Start Num: 7
Candidate Starts for Sujidade_57:
(Start: 7 @42775 has 1 MA's), (17, 42700), (21, 42646), (29, 42523), (30, 42484), (31, 42463),