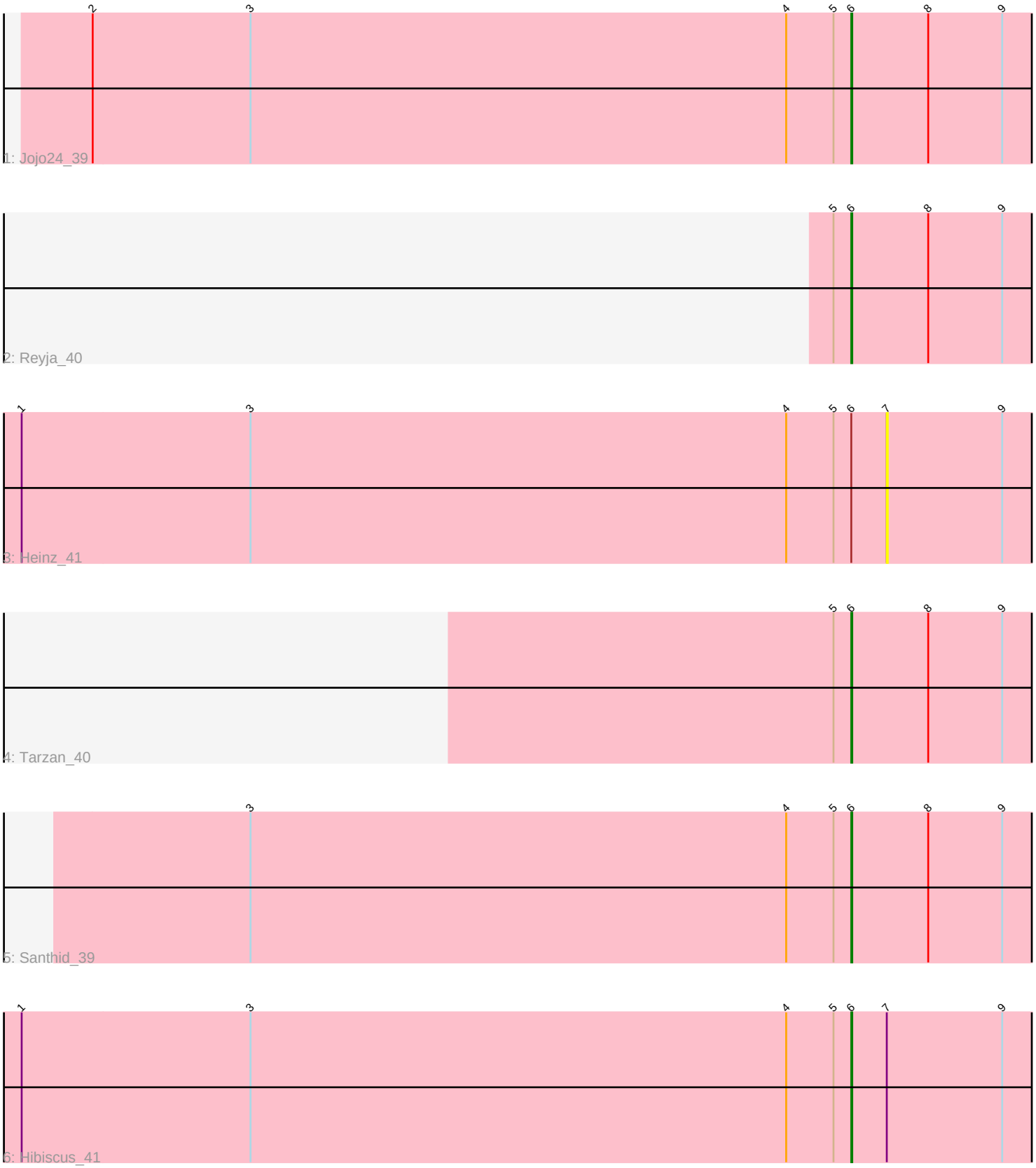
Pham 193199


2
3
4
5
6
8
9
1: Jojo24_39
5
6
8
9
2: Reyja_40
1
3
4
5
6
7
9
3: Heinz_41
5
6
8
9
4: Tarzan_40
3
4
5
6
8
9
5: Santhid_39
1
3
4
5
6
7
9
6: Hibiscus_41

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 193199 Report

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

Pham number 193199 has 6 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Jojo24_39
• Track 2 : Reyja_40
• Track 3 : Heinz_41
• Track 4 : Tarzan_40
• Track 5 : Santhid_39
• Track 6 : Hibiscus_41

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 5 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Hibiscus_41, Jojo24_39, Reyja_40, Santhid_39, Tarzan_40,

Genes that have the "Most Annotated" start but do not call it:
• Heinz_41,

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

Summary by start number:

Start 6:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 83.3% of time when present
• Phage (with cluster) where this start called: Hibiscus_41 (DY), Jojo24_39 (DY), Reyja_40 (DY), Santhid_39 (DY), Tarzan_40 (DY),

Start 7:
• Found in 2 of 6 (33.3%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present

• Phage (with cluster) where this start called: Heinz_41 (DY),

Summary by clusters:

There is one cluster represented in this pham: DY

Info for manual annotations of cluster DY:
•Start number 6 was manually annotated 5 times for cluster DY.

Gene Information:

Gene: Heinz_41 Start: 27911, Stop: 28060, Start Num: 7
Candidate Starts for Heinz_41:
(1, 27035), (3, 27266), (4, 27809), (5, 27857), (Start: 6 @27875 has 5 MA's), (7, 27911), (9, 28028),

Gene: Hibiscus_41 Start: 27824, Stop: 28009, Start Num: 6
Candidate Starts for Hibiscus_41:
(1, 26984), (3, 27215), (4, 27758), (5, 27806), (Start: 6 @27824 has 5 MA's), (7, 27860), (9, 27977),

Gene: Jojo24_39 Start: 28425, Stop: 28610, Start Num: 6
Candidate Starts for Jojo24_39:
(2, 27657), (3, 27816), (4, 28359), (5, 28407), (Start: 6 @28425 has 5 MA's), (8, 28503), (9, 28578),

Gene: Reyja_40 Start: 28862, Stop: 29047, Start Num: 6
Candidate Starts for Reyja_40:
(5, 28844), (Start: 6 @28862 has 5 MA's), (8, 28940), (9, 29015),

Gene: Santhid_39 Start: 27147, Stop: 27332, Start Num: 6
Candidate Starts for Santhid_39:
(3, 26538), (4, 27081), (5, 27129), (Start: 6 @27147 has 5 MA's), (8, 27225), (9, 27300),

Gene: Tarzan_40 Start: 28296, Stop: 28481, Start Num: 6
Candidate Starts for Tarzan_40:
(5, 28278), (Start: 6 @28296 has 5 MA's), (8, 28374), (9, 28449),