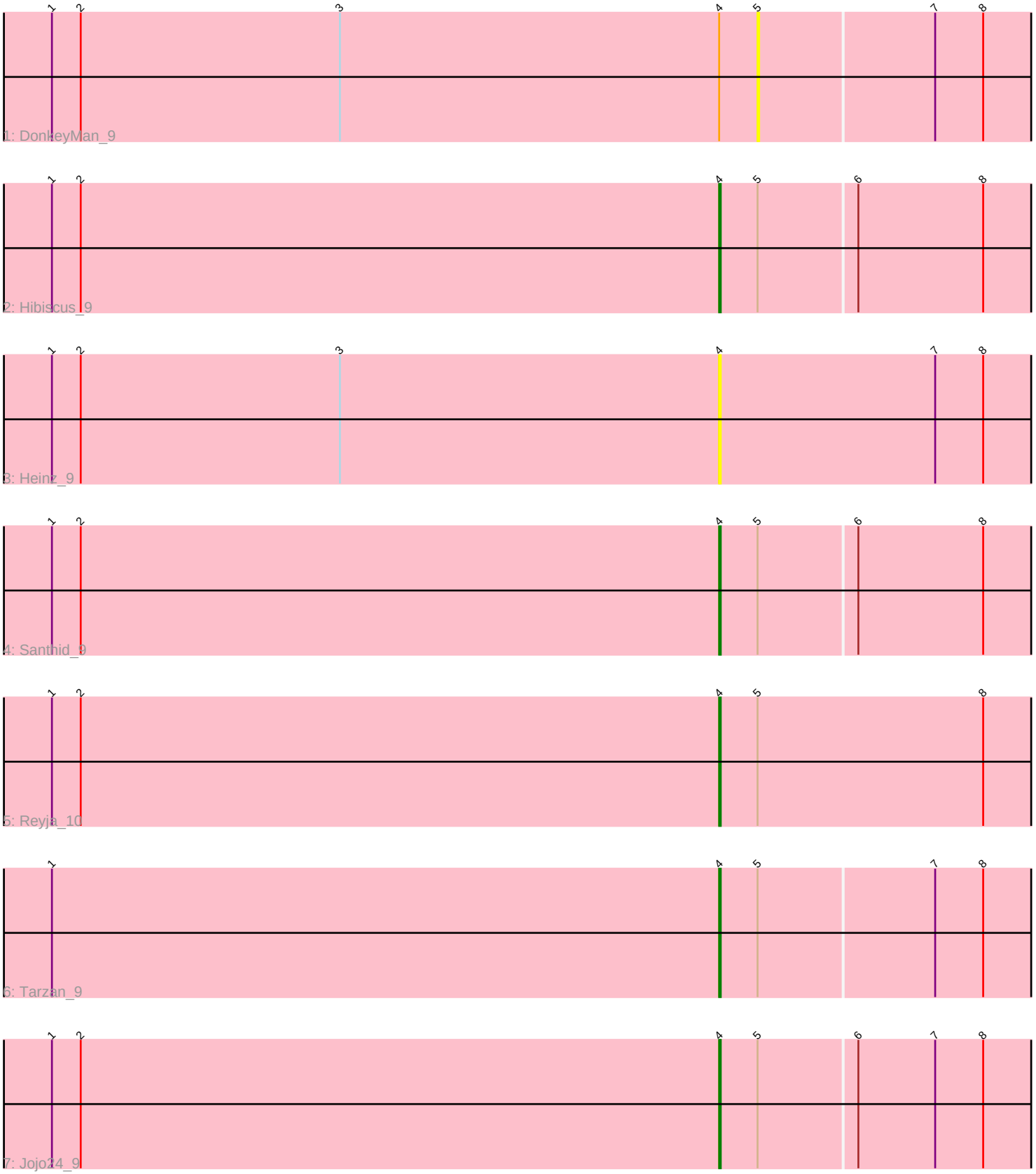
Pham 225195


1
2
3
4
5
7
8
1: DonkeyMan_9
1
2
4
5
6
8
2: Hibiscus_9
1
2
3
4
7
8
3: Heinz_9
1
2
4
5
6
8
4: Santhid_9
1
2
4
5
8
5: Reyja_10
1
4
5
7
8
6: Tarzan_9
1
2
4
5
6
7
8
7: Jojo24_9

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 225195 Report

This analysis was run 03/28/25 on database version 593.

Pham number 225195 has 7 members, 2 are drafts.

Phages represented in each track:
• Track 1 : DonkeyMan_9
• Track 2 : Hibiscus_9
• Track 3 : Heinz_9
• Track 4 : Santhid_9
• Track 5 : Reyja_10
• Track 6 : Tarzan_9
• Track 7 : Jojo24_9

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

Genes that call this "Most Annotated" start:
• Heinz_9, Hibiscus_9, Jojo24_9, Reyja_10, Santhid_9, Tarzan_9,

Genes that have the "Most Annotated" start but do not call it:
• DonkeyMan_9,

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

Summary by start number:

Start 4:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 5
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Heinz_9 (DY), Hibiscus_9 (DY), Jojo24_9 (DY), Reyja_10 (DY), Santhid_9 (DY), Tarzan_9 (DY),

Start 5:
• Found in 6 of 7 (85.7%) of genes in pham
• No Manual Annotations of this start.

• Called 16.7% of time when present
• Phage (with cluster) where this start called: DonkeyMan_9 (DY),

Summary by clusters:

There is one cluster represented in this pham: DY

Info for manual annotations of cluster DY:
•Start number 4 was manually annotated 5 times for cluster DY.

Gene Information:

Gene: DonkeyMan_9 Start: 6832, Stop: 7146, Start Num: 5
Candidate Starts for DonkeyMan_9:
(1, 6391), (2, 6409), (3, 6571), (Start: 4 @6808 has 5 MA's), (5, 6832), (7, 6940), (8, 6970),

Gene: Heinz_9 Start: 6844, Stop: 7185, Start Num: 4
Candidate Starts for Heinz_9:
(1, 6427), (2, 6445), (3, 6607), (Start: 4 @6844 has 5 MA's), (7, 6979), (8, 7009),

Gene: Hibiscus_9 Start: 6818, Stop: 7156, Start Num: 4
Candidate Starts for Hibiscus_9:
(1, 6401), (2, 6419), (Start: 4 @6818 has 5 MA's), (5, 6842), (6, 6902), (8, 6980),

Gene: Jojo24_9 Start: 6813, Stop: 7151, Start Num: 4
Candidate Starts for Jojo24_9:
(1, 6396), (2, 6414), (Start: 4 @6813 has 5 MA's), (5, 6837), (6, 6897), (7, 6945), (8, 6975),

Gene: Reyja_10 Start: 6954, Stop: 7295, Start Num: 4
Candidate Starts for Reyja_10:
(1, 6537), (2, 6555), (Start: 4 @6954 has 5 MA's), (5, 6978), (8, 7119),

Gene: Santhid_9 Start: 6822, Stop: 7160, Start Num: 4
Candidate Starts for Santhid_9:
(1, 6405), (2, 6423), (Start: 4 @6822 has 5 MA's), (5, 6846), (6, 6906), (8, 6984),

Gene: Tarzan_9 Start: 6813, Stop: 7151, Start Num: 4
Candidate Starts for Tarzan_9:
(1, 6396), (Start: 4 @6813 has 5 MA's), (5, 6837), (7, 6945), (8, 6975),