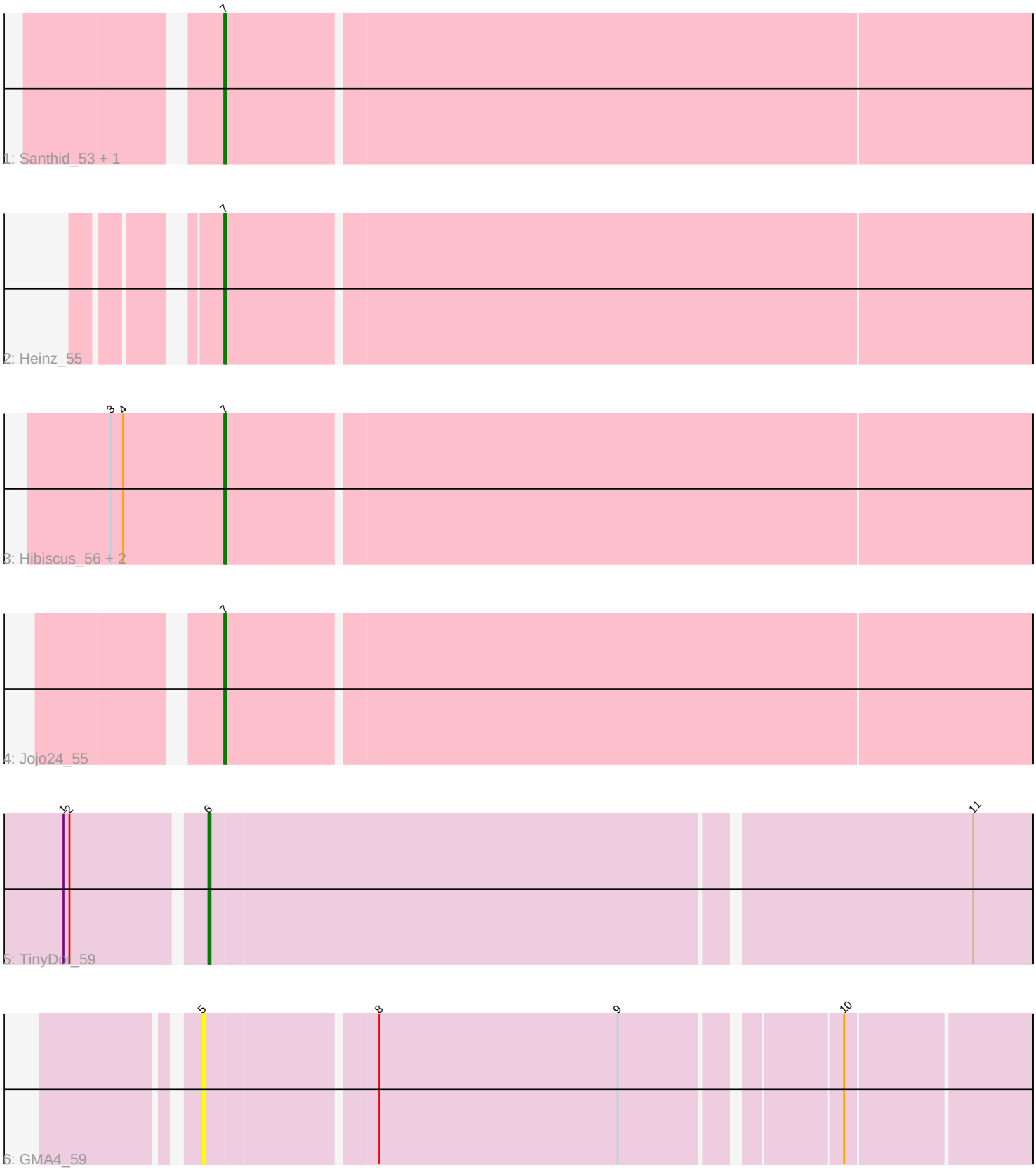
Pham 295341


7
1: Santhid_53 + 1
7
2: Heinz_55
3
4
7
3: Hibiscus_56 + 2
7
4: Jojo24_55
12
6
11
5: TinyDot_59
5
8
9
10
6: GMA4_59

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 295341 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295341 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Santhid_53, Reyja_58
• Track 2 : Heinz_55
• Track 3 : Hibiscus_56, Tarzan_56, DonkeyMan_56
• Track 4 : Jojo24_55
• Track 5 : TinyDot_59
• Track 6 : GMA4_59

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

The start number called the most often in the published annotations is 7, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DonkeyMan_56, Heinz_55, Hibiscus_56, Jojo24_55, Reyja_58, Santhid_53, Tarzan_56,

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

Genes that do not have the "Most Annotated" start:
• GMA4_59, TinyDot_59,

Summary by start number:

Start 5:
• Found in 1 of 9 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA4_59 (singleton),

Start 6:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present

• Phage (with cluster) where this start called: TinyDot_59 (singleton),

Start 7:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DonkeyMan_56 (DY), Heinz_55 (DY), Hibiscus_56 (DY), Jojo24_55 (DY), Reyja_58 (DY), Santhid_53 (DY), Tarzan_56 (DY),

Summary by clusters:

There are 2 clusters represented in this pham: singleton, DY,

Info for manual annotations of cluster DY:
•Start number 7 was manually annotated 7 times for cluster DY.

Gene Information:

Gene: DonkeyMan_56 Start: 37547, Stop: 37960, Start Num: 7
Candidate Starts for DonkeyMan_56:
(3, 37490), (4, 37496), (Start: 7 @37547 has 7 MA's),

Gene: GMA4_59 Start: 39801, Stop: 40205, Start Num: 5
Candidate Starts for GMA4_59:
(5, 39801), (8, 39882), (9, 40002), (10, 40101),

Gene: Heinz_55 Start: 36477, Stop: 36890, Start Num: 7
Candidate Starts for Heinz_55:
(Start: 7 @36477 has 7 MA's),

Gene: Hibiscus_56 Start: 36444, Stop: 36857, Start Num: 7
Candidate Starts for Hibiscus_56:
(3, 36387), (4, 36393), (Start: 7 @36444 has 7 MA's),

Gene: Jojo24_55 Start: 36792, Stop: 37205, Start Num: 7
Candidate Starts for Jojo24_55:
(Start: 7 @36792 has 7 MA's),

Gene: Reyja_58 Start: 38090, Stop: 38503, Start Num: 7
Candidate Starts for Reyja_58:
(Start: 7 @38090 has 7 MA's),

Gene: Santhid_53 Start: 35574, Stop: 35987, Start Num: 7
Candidate Starts for Santhid_53:
(Start: 7 @35574 has 7 MA's),

Gene: Tarzan_56 Start: 36802, Stop: 37215, Start Num: 7
Candidate Starts for Tarzan_56:
(3, 36745), (4, 36751), (Start: 7 @36802 has 7 MA's),

Gene: TinyDot_59 Start: 37583, Stop: 37999, Start Num: 6
Candidate Starts for TinyDot_59:
(1, 37517), (2, 37520), (Start: 6 @37583 has 1 MA's), (11, 37955),