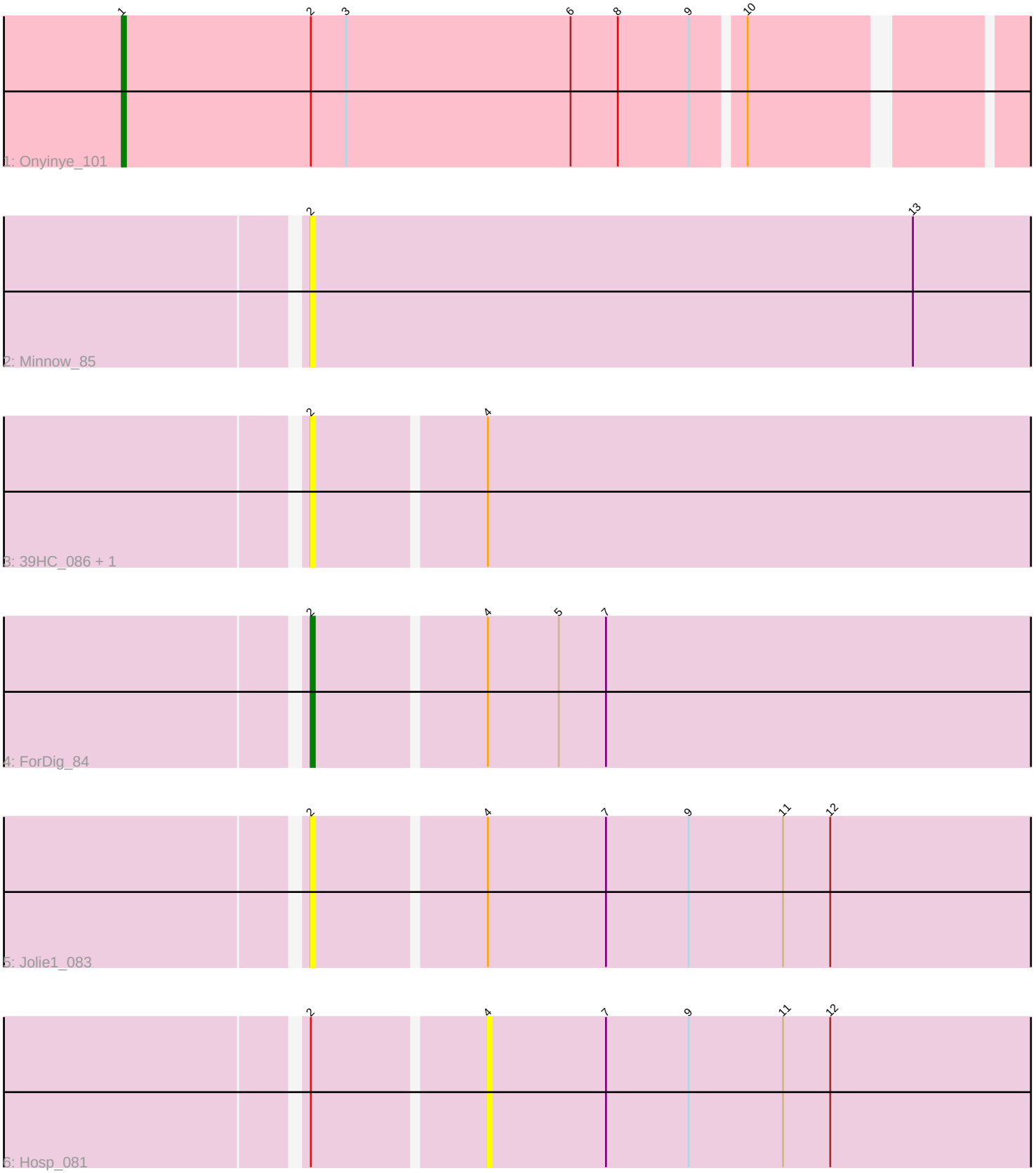
# Pham 324010


1
2
3
6
8
9
10
1: Onyinye_101
2
13
2: Minnow_85
2
4
3: 39HC_086 + 1
2
4
5
7
4: ForDig_84
2
4
7
9
11
12
5: Jolie1_083
2
4
7
9
11
12
6: Hosp_081

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 324010 Report

This analysis was run 09/05/26 on database version 662.

Pham number 324010 has 7 members, 5 are drafts.

Phages represented in each track:
• Track 1 : Onyinye_101
• Track 2 : Minnow_85
• Track 3 : 39HC_086, 40BC_086
• Track 4 : ForDig_84
• Track 5 : Jolie1_083
• Track 6 : Hosp_081

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

The start number called the most often in the published annotations is 2, it was called in 1 of the 2 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• 39HC_086, 40BC_086, ForDig_84, Jolie1_083, Minnow_85,

Genes that have the "Most Annotated" start but do not call it:
• Hosp_081, Onyinye_101,

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

**Summary by start number:**

Start 1:
• Found in 1 of 7 ( 14.3% ) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Onyinye_101 (AE),

Start 2:
• Found in 7 of 7 ( 100.0% ) of genes in pham
• Manual Annotations of this start: 1 of 2
• Called 71.4% of time when present

• Phage (with cluster) where this start called: 39HC_086 (B6), 40BC_086 (B6), ForDig_84 (B6), Jolie1_083 (B6), Minnow_85 (B6),

Start 4:
• Found in 5 of 7 ( 71.4% ) of genes in pham
• No Manual Annotations of this start.
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Hosp_081 (B6),

**Summary by clusters:**

There are 2 clusters represented in this pham: B6, AE,

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

Info for manual annotations of cluster B6:
•Start number 2 was manually annotated 1 time for cluster B6.

***Gene Information:***

Gene: 39HC_086 Start: 65073, Stop: 64801, Start Num: 2
Candidate Starts for 39HC_086:
(Start: 2 @65073 has 1 MA's), (4, 65031),

Gene: 40BC_086 Start: 65073, Stop: 64801, Start Num: 2
Candidate Starts for 40BC_086:
(Start: 2 @65073 has 1 MA's), (4, 65031),

Gene: ForDig_84 Start: 64336, Stop: 64064, Start Num: 2
Candidate Starts for ForDig_84:
(Start: 2 @64336 has 1 MA's), (4, 64294), (5, 64276), (7, 64264),

Gene: Hosp_081 Start: 62319, Stop: 62089, Start Num: 4
Candidate Starts for Hosp_081:
(Start: 2 @62361 has 1 MA's), (4, 62319), (7, 62289), (9, 62268), (11, 62244), (12, 62232),

Gene: Jolie1_083 Start: 64388, Stop: 64116, Start Num: 2
Candidate Starts for Jolie1_083:
(Start: 2 @64388 has 1 MA's), (4, 64346), (7, 64316), (9, 64295), (11, 64271), (12, 64259),

Gene: Minnow_85 Start: 64501, Stop: 64226, Start Num: 2
Candidate Starts for Minnow_85:
(Start: 2 @64501 has 1 MA's), (13, 64348),

Gene: Onyinye_101 Start: 65950, Stop: 66249, Start Num: 1
Candidate Starts for Onyinye_101:
(Start: 1 @65950 has 1 MA's), (Start: 2 @65998 has 1 MA's), (3, 66007), (6, 66064), (8, 66076), (9, 66094), (10, 66106),