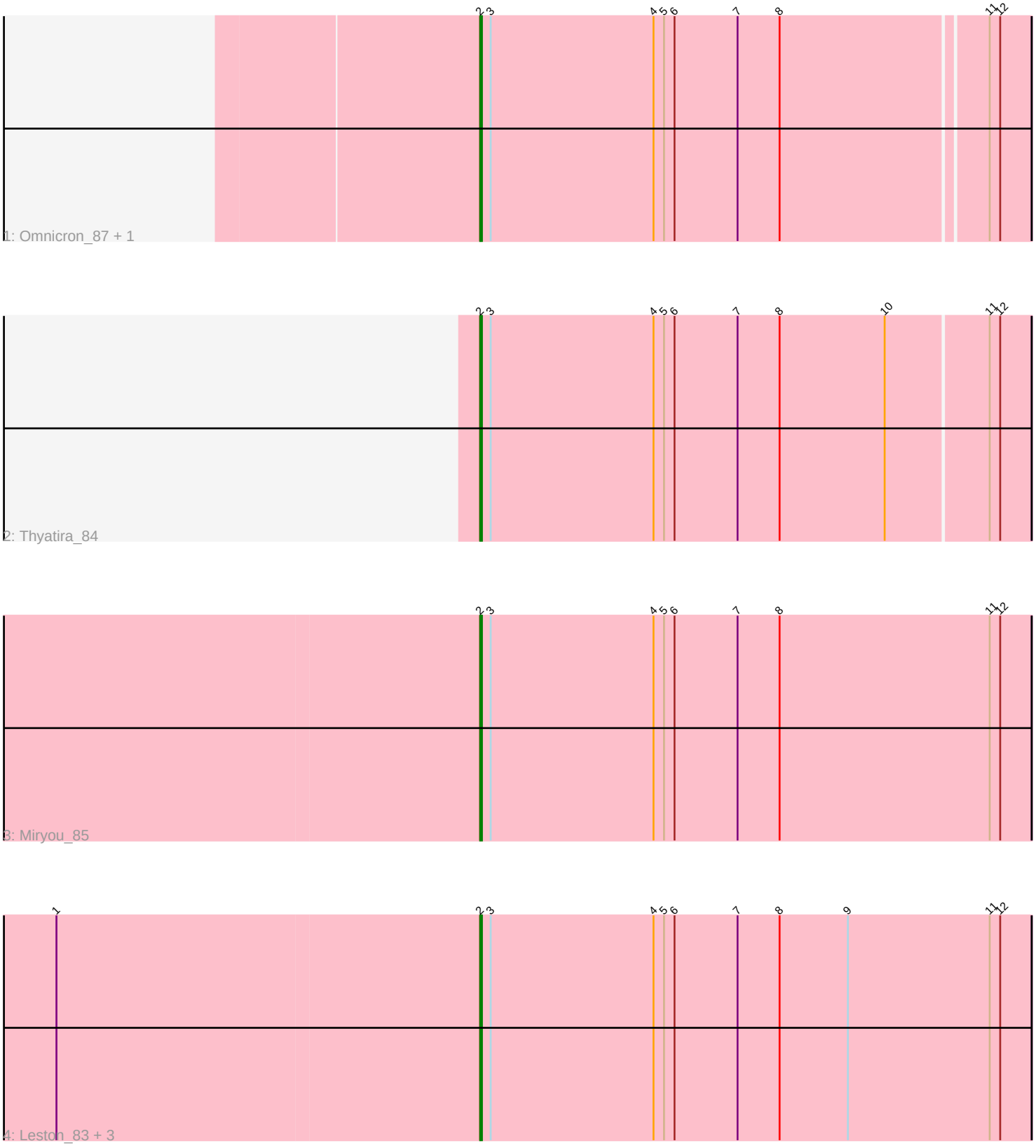
Pham 281219


2 3
4 5 6
7
8
11 12
1: Omnicron_87 + 1
2 3
4 5 6
7
8
10
11 12
2: Thyatira_84
2 3
4 5 6
7
8
11 12
3: Miryou_85
1
2 3
4 5 6
7
8
9
11 12
4: Leston_83 + 3

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 281219 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281219 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Omnicron_87, Rando14_84
• Track 2 : Thyatira_84
• Track 3 : Miryou_85
• Track 4 : Leston_83, Waterfoul_83, Guillsminger_84, Paola_83

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Guillsminger_84, Leston_83, Miryou_85, Omnicron_87, Paola_83, Rando14_84, Thyatira_84, Waterfoul_83,

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

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

Summary by start number:

Start 2:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Guillsminger_84 (K5), Leston_83 (K5), Miryou_85 (K5), Omnicron_87 (K5), Paola_83 (K5), Rando14_84 (K5), Thyatira_84 (K5), Waterfoul_83 (K5),

Summary by clusters:

There is one cluster represented in this pham: K5

Info for manual annotations of cluster K5:
•Start number 2 was manually annotated 8 times for cluster K5.

Gene Information:

Gene: Guillsminger_84 Start: 55380, Stop: 55694, Start Num: 2
Candidate Starts for Guillsminger_84:
(1, 55140), (Start: 2 @55380 has 8 MA's), (3, 55386), (4, 55479), (5, 55485), (6, 55491), (7, 55527), (8, 55551), (9, 55590), (11, 55671), (12, 55677),

Gene: Leston_83 Start: 55497, Stop: 55811, Start Num: 2
Candidate Starts for Leston_83:
(1, 55257), (Start: 2 @55497 has 8 MA's), (3, 55503), (4, 55596), (5, 55602), (6, 55608), (7, 55644), (8, 55668), (9, 55707), (11, 55788), (12, 55794),

Gene: Miryou_85 Start: 57355, Stop: 57669, Start Num: 2
Candidate Starts for Miryou_85:
(Start: 2 @57355 has 8 MA's), (3, 57361), (4, 57454), (5, 57460), (6, 57466), (7, 57502), (8, 57526), (11, 57646), (12, 57652),

Gene: Omnicron_87 Start: 57578, Stop: 57886, Start Num: 2
Candidate Starts for Omnicron_87:
(Start: 2 @57578 has 8 MA's), (3, 57584), (4, 57677), (5, 57683), (6, 57689), (7, 57725), (8, 57749), (11, 57863), (12, 57869),

Gene: Paola_83 Start: 55380, Stop: 55694, Start Num: 2
Candidate Starts for Paola_83:
(1, 55140), (Start: 2 @55380 has 8 MA's), (3, 55386), (4, 55479), (5, 55485), (6, 55491), (7, 55527), (8, 55551), (9, 55590), (11, 55671), (12, 55677),

Gene: Rando14_84 Start: 55989, Stop: 56297, Start Num: 2
Candidate Starts for Rando14_84:
(Start: 2 @55989 has 8 MA's), (3, 55995), (4, 56088), (5, 56094), (6, 56100), (7, 56136), (8, 56160), (11, 56274), (12, 56280),

Gene: Thyatira_84 Start: 57092, Stop: 57403, Start Num: 2
Candidate Starts for Thyatira_84:
(Start: 2 @57092 has 8 MA's), (3, 57098), (4, 57191), (5, 57197), (6, 57203), (7, 57239), (8, 57263), (10, 57323), (11, 57380), (12, 57386),

Gene: Waterfoul_83 Start: 55162, Stop: 55473, Start Num: 2
Candidate Starts for Waterfoul_83:
(1, 54922), (Start: 2 @55162 has 8 MA's), (3, 55168), (4, 55261), (5, 55267), (6, 55273), (7, 55309), (8, 55333), (9, 55372), (11, 55450), (12, 55456),