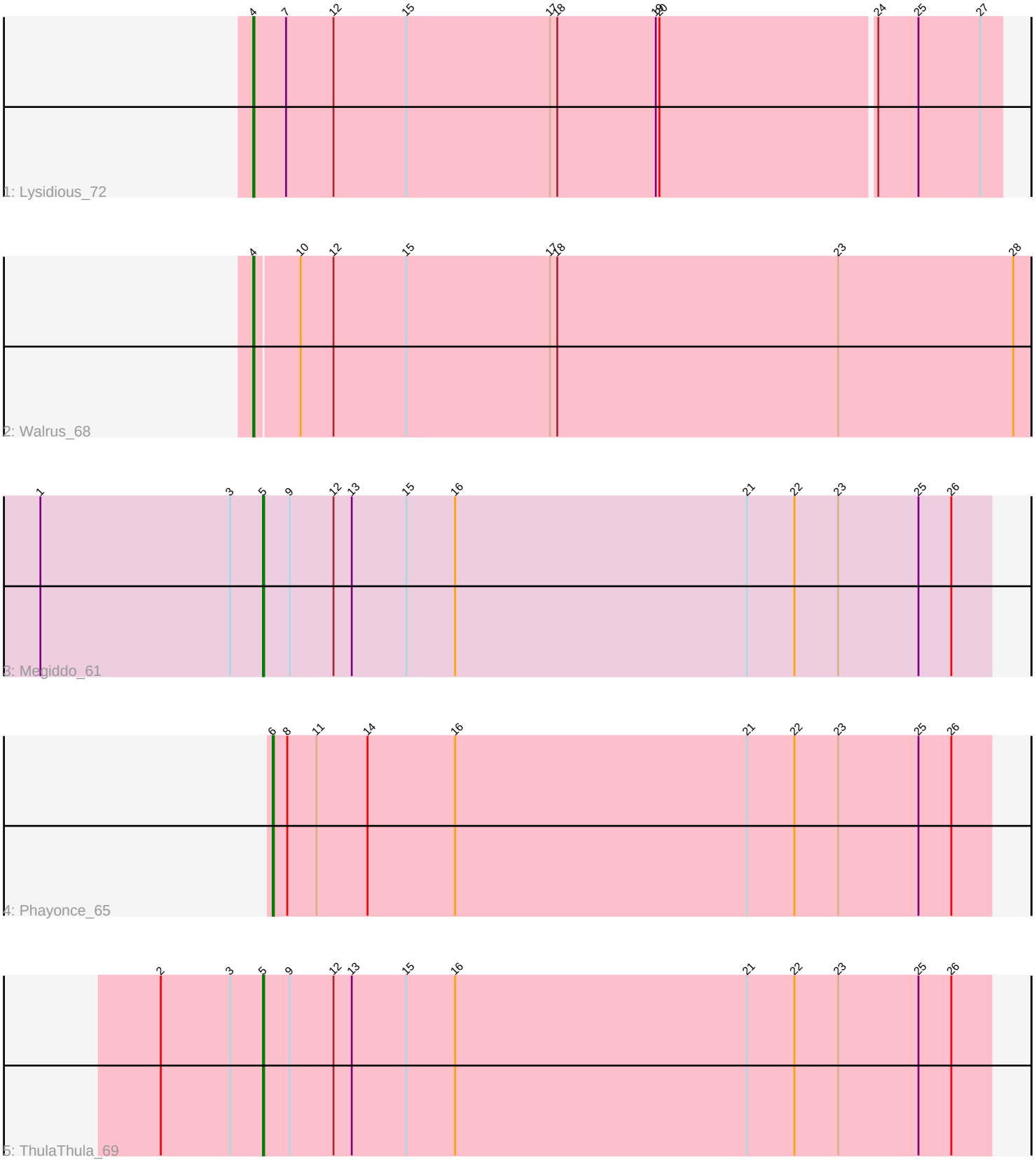
Pham 297442


4
7
12
15
17
18
19
20
24
25
27
1: Lysidious_72
4
10
12
15
17
18
23
28
2: Walrus_68
1
3
5
9
12
13
15
16
21
22
23
25
26
3: Megiddo_61
6
8
11
14
16
21
22
23
25
26
4: Phayonce_65
2
3
5
9
12
13
15
16
21
22
23
25
26
5: ThulaThula_69

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 297442 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297442 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Lysidious_72
• Track 2 : Walrus_68
• Track 3 : Megiddo_61
• Track 4 : Phayonce_65
• Track 5 : ThulaThula_69

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

Genes that call this "Most Annotated" start:
• Lysidious_72, Walrus_68,

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

Genes that do not have the "Most Annotated" start:
• Megiddo_61, Phayonce_65, ThulaThula_69,

Summary by start number:

Start 4:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Lysidious_72 (CV), Walrus_68 (CV),

Start 5:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Megiddo_61 (P1), ThulaThula_69 (P5),

Start 6:
• Found in 1 of 5 (20.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Phayonce_65 (P5),

Summary by clusters:

There are 3 clusters represented in this pham: P1, CV, P5,

Info for manual annotations of cluster CV:
•Start number 4 was manually annotated 2 times for cluster CV.

Info for manual annotations of cluster P1:
•Start number 5 was manually annotated 1 time for cluster P1.

Info for manual annotations of cluster P5:
•Start number 5 was manually annotated 1 time for cluster P5.
•Start number 6 was manually annotated 1 time for cluster P5.

Gene Information:

Gene: Lysidious_72 Start: 45013, Stop: 45621, Start Num: 4
Candidate Starts for Lysidious_72:
(Start: 4 @45013 has 2 MA's), (7, 45040), (12, 45079), (15, 45139), (17, 45256), (18, 45262), (19, 45343), (20, 45346), (24, 45520), (25, 45553), (27, 45604),

Gene: Megiddo_61 Start: 41199, Stop: 41795, Start Num: 5
Candidate Starts for Megiddo_61:
(1, 41016), (3, 41172), (Start: 5 @41199 has 2 MA's), (9, 41220), (12, 41256), (13, 41271), (15, 41316), (16, 41355), (21, 41595), (22, 41634), (23, 41670), (25, 41736), (26, 41763),

Gene: Phayonce_65 Start: 43286, Stop: 43876, Start Num: 6
Candidate Starts for Phayonce_65:
(Start: 6 @43286 has 1 MA's), (8, 43298), (11, 43322), (14, 43364), (16, 43436), (21, 43676), (22, 43715), (23, 43751), (25, 43817), (26, 43844),

Gene: ThulaThula_69 Start: 44706, Stop: 45302, Start Num: 5
Candidate Starts for ThulaThula_69:
(2, 44622), (3, 44679), (Start: 5 @44706 has 2 MA's), (9, 44727), (12, 44763), (13, 44778), (15, 44823), (16, 44862), (21, 45102), (22, 45141), (23, 45177), (25, 45243), (26, 45270),

Gene: Walrus_68 Start: 43422, Stop: 44057, Start Num: 4
Candidate Starts for Walrus_68:
(Start: 4 @43422 has 2 MA's), (10, 43458), (12, 43485), (15, 43545), (17, 43662), (18, 43668), (23, 43899), (28, 44043),