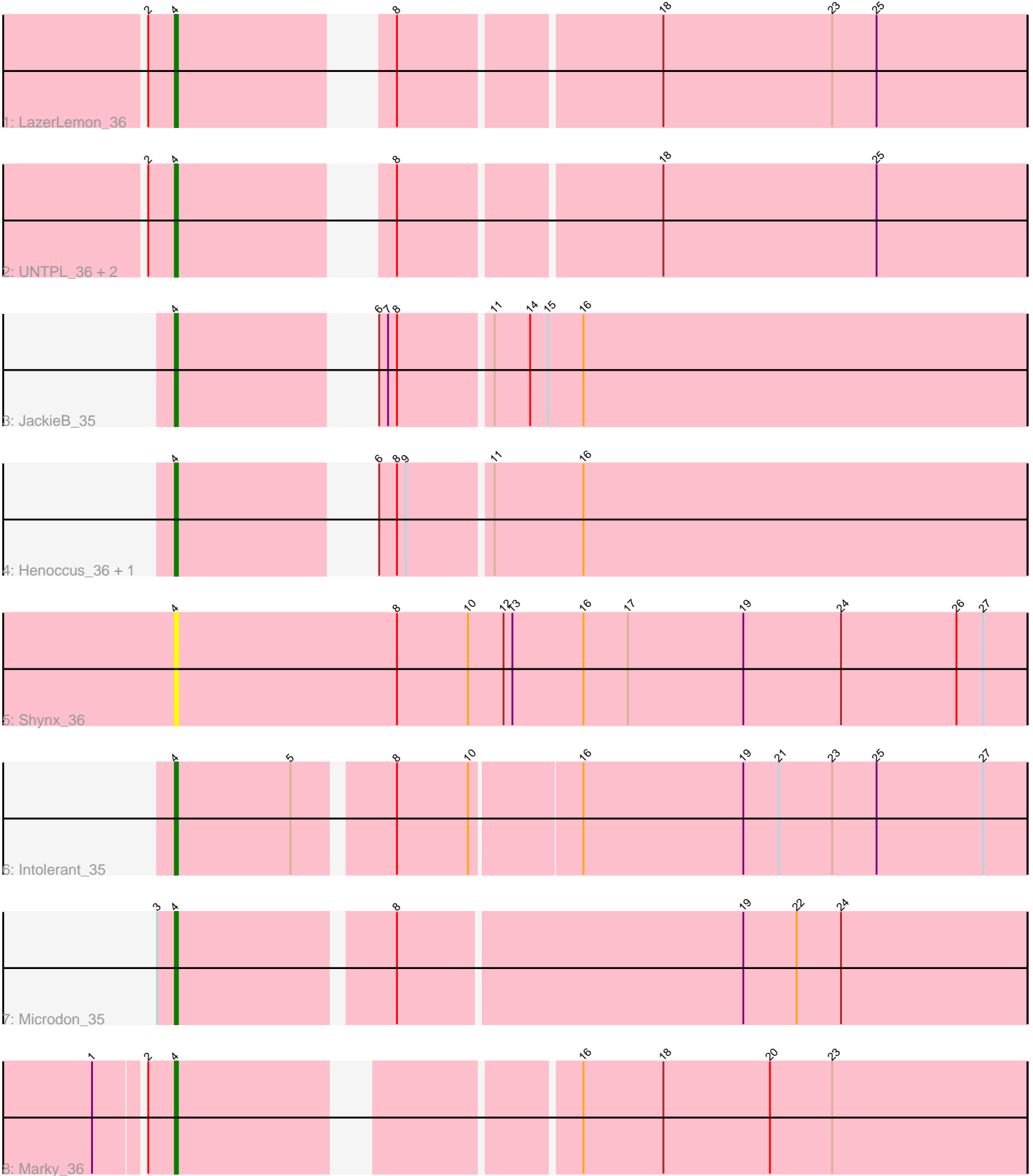# Pham 276763

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 276763 Report

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

Pham number 276763 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : LazerLemon_36
• Track 2 : UNTPL_36, Bogota_36, Stuff_36
• Track 3 : JackieB_35
• Track 4 : Henoccus_36, Araceli_36
• Track 5 : Shynx_36
• Track 6 : Intolerant_35
• Track 7 : Microdon_35
• Track 8 : Marky_36

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 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Araceli_36, Bogota_36, Henoccus_36, Intolerant_35, JackieB_35, LazerLemon_36, Marky_36, Microdon_35, Shynx_36, Stuff_36, UNTPL_36,

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 4:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 10 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Araceli_36 (BH), Bogota_36 (BH), Henoccus_36 (BH), Intolerant_35 (BH), JackieB_35 (BH), LazerLemon_36 (BH), Marky_36 (BH), Microdon_35 (BH), Shynx_36 (BH), Stuff_36 (BH), UNTPL_36 (BH),

Summary by clusters:

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:
•Start number 4 was manually annotated 10 times for cluster BH.

Gene Information:
Gene: Araceli_36 Start: 28431, Stop: 28697, Start Num: 4
Candidate Starts for Araceli_36:
(Start: 4 @28431 has 10 MA's), (6, 28482), (8, 28488), (9, 28491), (11, 28518), (16, 28548),

Gene: Bogota_36 Start: 28574, Stop: 28837, Start Num: 4
Candidate Starts for Bogota_36:
(2, 28565), (Start: 4 @28574 has 10 MA's), (8, 28631), (18, 28715), (25, 28787),

Gene: Henoccus_36 Start: 28447, Stop: 28713, Start Num: 4
Candidate Starts for Henoccus_36:
(Start: 4 @28447 has 10 MA's), (6, 28498), (8, 28504), (9, 28507), (11, 28534), (16, 28564),

Gene: Intolerant_35 Start: 28436, Stop: 28714, Start Num: 4
Candidate Starts for Intolerant_35:
(Start: 4 @28436 has 10 MA's), (5, 28475), (8, 28505), (10, 28529), (16, 28565), (19, 28619), (21, 28631), (23, 28649), (25, 28664), (27, 28700),

Gene: JackieB_35 Start: 28285, Stop: 28551, Start Num: 4
Candidate Starts for JackieB_35:
(Start: 4 @28285 has 10 MA's), (6, 28336), (7, 28339), (8, 28342), (11, 28372), (14, 28384), (15, 28390), (16, 28402),

Gene: LazerLemon_36 Start: 28950, Stop: 29213, Start Num: 4
Candidate Starts for LazerLemon_36:
(2, 28941), (Start: 4 @28950 has 10 MA's), (8, 29007), (18, 29091), (23, 29148), (25, 29163),

Gene: Marky_36 Start: 28305, Stop: 28571, Start Num: 4
Candidate Starts for Marky_36:
(1, 28281), (2, 28296), (Start: 4 @28305 has 10 MA's), (16, 28422), (18, 28449), (20, 28485), (23, 28506),

Gene: Microdon_35 Start: 28266, Stop: 28544, Start Num: 4
Candidate Starts for Microdon_35:
(3, 28260), (Start: 4 @28266 has 10 MA's), (8, 28335), (19, 28449), (22, 28467), (24, 28482),

Gene: Shynx_36 Start: 28716, Stop: 29003, Start Num: 4
Candidate Starts for Shynx_36:
(Start: 4 @28716 has 10 MA's), (8, 28791), (10, 28815), (12, 28827), (13, 28830), (16, 28854), (17, 28869), (19, 28908), (24, 28941), (26, 28980), (27, 28989),

Gene: Stuff_36 Start: 28735, Stop: 28998, Start Num: 4
Candidate Starts for Stuff_36:

(2, 28726), (Start: 4 @28735 has 10 MA's), (8, 28792), (18, 28876), (25, 28948),

Gene: UNTPL_36 Start: 28555, Stop: 28818, Start Num: 4
Candidate Starts for UNTPL_36:
(2, 28546), (Start: 4 @28555 has 10 MA's), (8, 28612), (18, 28696), (25, 28768),