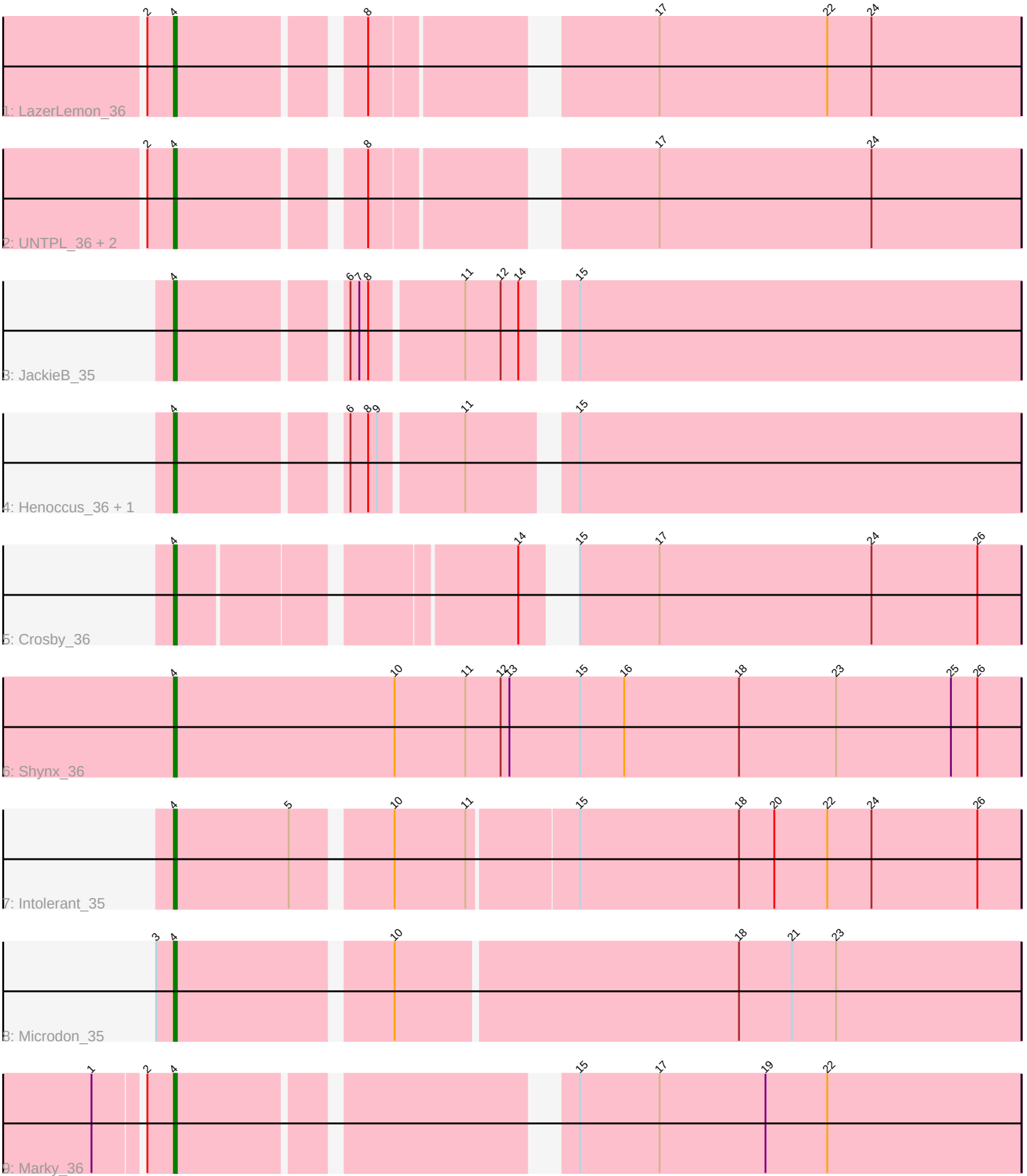


Pham 309681



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 309681 Report

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

Pham number 309681 has 12 members, 0 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 : Crosby_36
- Track 6 : Shynx_36
- Track 7 : Intolerant_35
- Track 8 : Microdon_35
- Track 9 : 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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Araceli_36, Bogota_36, Crosby_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 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Araceli_36 (BH), Bogota_36 (BH), Crosby_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 12 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 12 MA's), (6, 28482), (8, 28488), (9, 28491), (11, 28518), (15, 28548),

Gene: Bogota_36 Start: 28574, Stop: 28837, Start Num: 4

Candidate Starts for Bogota_36:

(2, 28565), (Start: 4 @28574 has 12 MA's), (8, 28631), (17, 28715), (24, 28787),

Gene: Crosby_36 Start: 28564, Stop: 28827, Start Num: 4

Candidate Starts for Crosby_36:

(Start: 4 @28564 has 12 MA's), (14, 28669), (15, 28678), (17, 28705), (24, 28777), (26, 28813),

Gene: Henoccus_36 Start: 28447, Stop: 28713, Start Num: 4

Candidate Starts for Henoccus_36:

(Start: 4 @28447 has 12 MA's), (6, 28498), (8, 28504), (9, 28507), (11, 28534), (15, 28564),

Gene: Intolerant_35 Start: 28436, Stop: 28714, Start Num: 4

Candidate Starts for Intolerant_35:

(Start: 4 @28436 has 12 MA's), (5, 28475), (10, 28505), (11, 28529), (15, 28565), (18, 28619), (20, 28631), (22, 28649), (24, 28664), (26, 28700),

Gene: JackieB_35 Start: 28285, Stop: 28551, Start Num: 4

Candidate Starts for JackieB_35:

(Start: 4 @28285 has 12 MA's), (6, 28336), (7, 28339), (8, 28342), (11, 28372), (12, 28384), (14, 28390), (15, 28402),

Gene: LazerLemon_36 Start: 28950, Stop: 29213, Start Num: 4

Candidate Starts for LazerLemon_36:

(2, 28941), (Start: 4 @28950 has 12 MA's), (8, 29007), (17, 29091), (22, 29148), (24, 29163),

Gene: Marky_36 Start: 28305, Stop: 28571, Start Num: 4

Candidate Starts for Marky_36:

(1, 28281), (2, 28296), (Start: 4 @28305 has 12 MA's), (15, 28422), (17, 28449), (19, 28485), (22, 28506),

Gene: Microdon_35 Start: 28266, Stop: 28544, Start Num: 4

Candidate Starts for Microdon_35:

(3, 28260), (Start: 4 @28266 has 12 MA's), (10, 28335), (18, 28449), (21, 28467), (23, 28482),

Gene: Shynx_36 Start: 28716, Stop: 29003, Start Num: 4

Candidate Starts for Shynx_36:

(Start: 4 @28716 has 12 MA's), (10, 28791), (11, 28815), (12, 28827), (13, 28830), (15, 28854), (16, 28869), (18, 28908), (23, 28941), (25, 28980), (26, 28989),

Gene: Stuff_36 Start: 28735, Stop: 28998, Start Num: 4

Candidate Starts for Stuff_36:

(2, 28726), (Start: 4 @28735 has 12 MA's), (8, 28792), (17, 28876), (24, 28948),

Gene: UNTPL_36 Start: 28555, Stop: 28818, Start Num: 4

Candidate Starts for UNTPL_36:

(2, 28546), (Start: 4 @28555 has 12 MA's), (8, 28612), (17, 28696), (24, 28768),