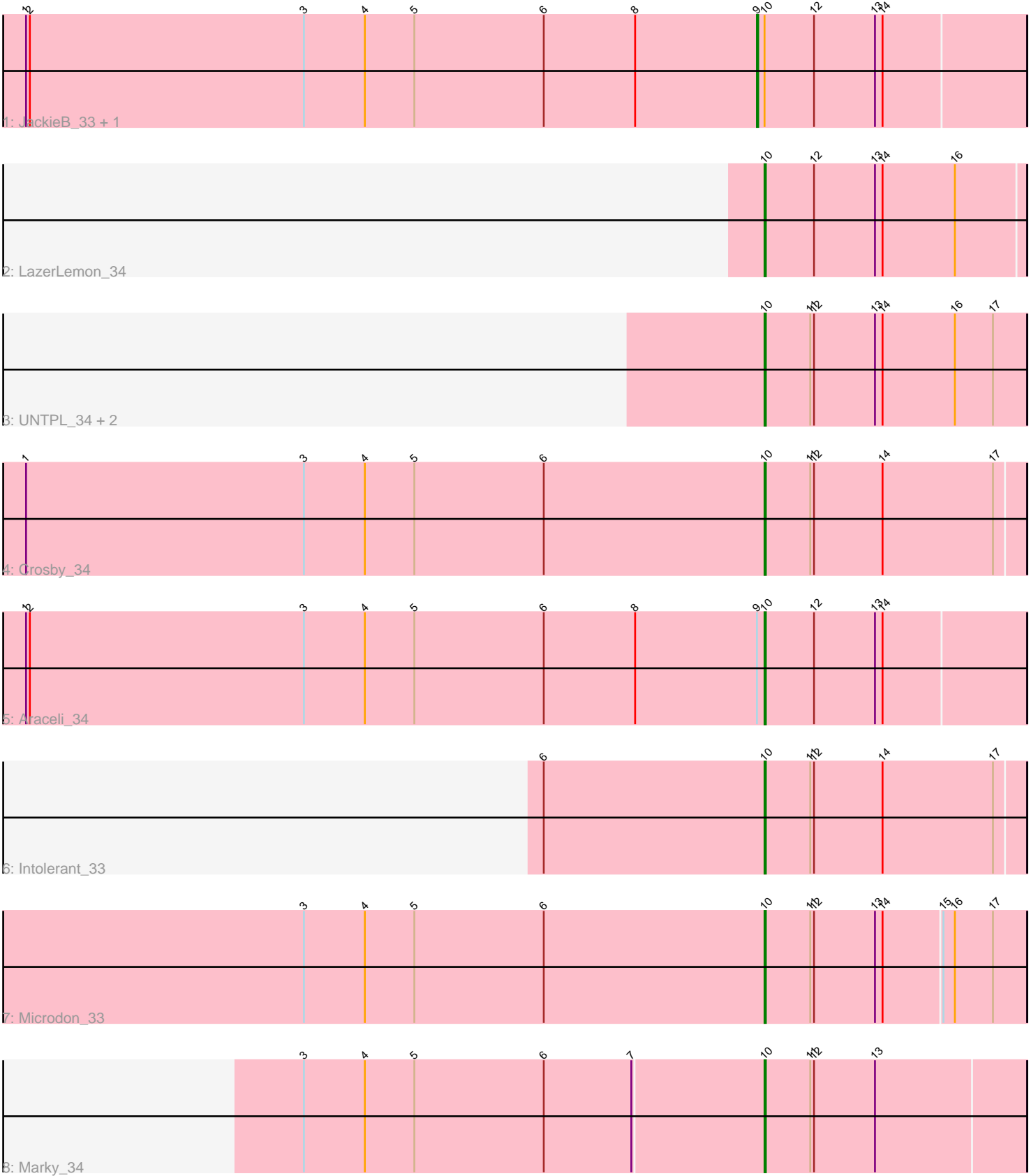# Pham 87327

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 87327 Report

This analysis was run 04/05/24 on database version 557.

Pham number 87327 has 11 members, 0 are drafts.

Phages represented in each track:
• Track 1 : JackieB_33, Henoccus_34
• Track 2 : LazerLemon_34
• Track 3 : UNTPL_34, Bogota_34, Stuff_34
• Track 4 : Crosby_34
• Track 5 : Araceli_34
• Track 6 : Intolerant_33
• Track 7 : Microdon_33
• Track 8 : Marky_34

__Summary of Final Annotations (See graph section above for start numbers):__

The start number called the most often in the published annotations is 10, it was called in 9 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Araceli_34, Bogota_34, Crosby_34, Intolerant_33, LazerLemon_34, Marky_34, Microdon_33, Stuff_34, UNTPL_34,

Genes that have the "Most Annotated" start but do not call it:
• Henoccus_34, JackieB_33,

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

Summary by start number:

Start 9:
• Found in 3 of 11 (27.3%) of genes in pham
• Manual Annotations of this start: 2 of 11
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Henoccus_34 (BH), JackieB_33 (BH),

Start 10:
• Found in 11 of 11 (100.0%) of genes in pham

• Manual Annotations of this start: 9 of 11
• Called 81.8% of time when present
• Phage (with cluster) where this start called: Araceli_34 (BH), Bogota_34 (BH), Crosby_34 (BH), Intolerant_33 (BH), LazerLemon_34 (BH), Marky_34 (BH), Microdon_33 (BH), Stuff_34 (BH), UNTPL_34 (BH),

Summary by clusters:

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:
•Start number 9 was manually annotated 2 times for cluster BH.
•Start number 10 was manually annotated 9 times for cluster BH.

Gene Information:

Gene: Araceli_34 Start: 27402, Stop: 27605, Start Num: 10
Candidate Starts for Araceli_34:
(1, 26820), (2, 26823), (3, 27039), (4, 27087), (5, 27126), (6, 27228), (8, 27300), (Start: 9 @27396 has 2 MA's), (Start: 10 @27402 has 9 MA's), (12, 27441), (13, 27489), (14, 27495),

Gene: Bogota_34 Start: 27540, Stop: 27746, Start Num: 10
Candidate Starts for Bogota_34:
(Start: 10 @27540 has 9 MA's), (11, 27576), (12, 27579), (13, 27627), (14, 27633), (16, 27690), (17, 27720),

Gene: Crosby_34 Start: 27529, Stop: 27732, Start Num: 10
Candidate Starts for Crosby_34:
(1, 26947), (3, 27166), (4, 27214), (5, 27253), (6, 27355), (Start: 10 @27529 has 9 MA's), (11, 27565), (12, 27568), (14, 27622), (17, 27709),

Gene: Henoccus_34 Start: 27406, Stop: 27615, Start Num: 9
Candidate Starts for Henoccus_34:
(1, 26830), (2, 26833), (3, 27049), (4, 27097), (5, 27136), (6, 27238), (8, 27310), (Start: 9 @27406 has 2 MA's), (Start: 10 @27412 has 9 MA's), (12, 27451), (13, 27499), (14, 27505),

Gene: Intolerant_33 Start: 27403, Stop: 27606, Start Num: 10
Candidate Starts for Intolerant_33:
(6, 27229), (Start: 10 @27403 has 9 MA's), (11, 27439), (12, 27442), (14, 27496), (17, 27583),

Gene: JackieB_33 Start: 27261, Stop: 27470, Start Num: 9
Candidate Starts for JackieB_33:
(1, 26685), (2, 26688), (3, 26904), (4, 26952), (5, 26991), (6, 27093), (8, 27165), (Start: 9 @27261 has 2 MA's), (Start: 10 @27267 has 9 MA's), (12, 27306), (13, 27354), (14, 27360),

Gene: LazerLemon_34 Start: 27918, Stop: 28121, Start Num: 10
Candidate Starts for LazerLemon_34:
(Start: 10 @27918 has 9 MA's), (12, 27957), (13, 28005), (14, 28011), (16, 28068),

Gene: Marky_34 Start: 27276, Stop: 27479, Start Num: 10
Candidate Starts for Marky_34:

(3, 26919), (4, 26967), (5, 27006), (6, 27108), (7, 27177), (Start: 10 @27276 has 9 MA's), (11, 27312), (12, 27315), (13, 27363),

Gene: Microdon_33 Start: 27226, Stop: 27429, Start Num: 10
Candidate Starts for Microdon_33:
(3, 26863), (4, 26911), (5, 26950), (6, 27052), (Start: 10 @27226 has 9 MA's), (11, 27262), (12, 27265), (13, 27313), (14, 27319), (15, 27364), (16, 27373), (17, 27403),

Gene: Stuff_34 Start: 27701, Stop: 27907, Start Num: 10
Candidate Starts for Stuff_34:
(Start: 10 @27701 has 9 MA's), (11, 27737), (12, 27740), (13, 27788), (14, 27794), (16, 27851), (17, 27881),

Gene: UNTPL_34 Start: 27521, Stop: 27727, Start Num: 10
Candidate Starts for UNTPL_34:
(Start: 10 @27521 has 9 MA's), (11, 27557), (12, 27560), (13, 27608), (14, 27614), (16, 27671), (17, 27701),