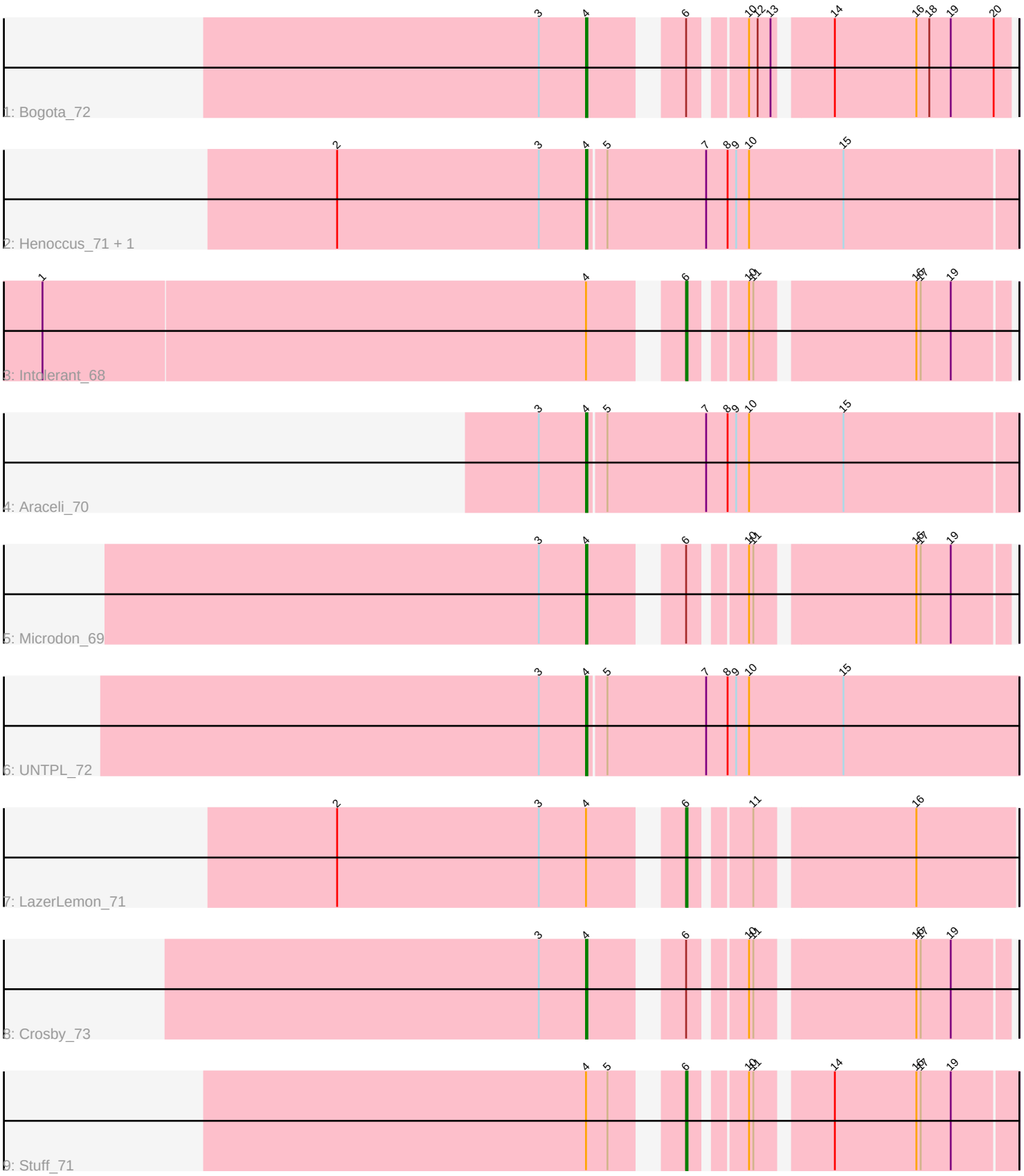
Pham 6133


1: Bogota_72
2: Henoccus_71 + 1
3: Intolerant_68
4: Araceli_70
5: Microdon_69
6: UNTPL_72
7: LazerLemon_71
8: Crosby_73
9: Stuff_71

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 6133 Report

This analysis was run 04/12/24 on database version 558.

Pham number 6133 has 10 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Bogota_72
• Track 2 : Henoccus_71, JackieB_71
• Track 3 : Intolerant_68
• Track 4 : Araceli_70
• Track 5 : Microdon_69
• Track 6 : UNTPL_72
• Track 7 : LazerLemon_71
• Track 8 : Crosby_73
• Track 9 : Stuff_71

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

Genes that call this "Most Annotated" start:
• Araceli_70, Bogota_72, Crosby_73, Henoccus_71, JackieB_71, Microdon_69, UNTPL_72,

Genes that have the "Most Annotated" start but do not call it:
• Intolerant_68, LazerLemon_71, Stuff_71,

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

Summary by start number:

Start 4:
• Found in 10 of 10 (100.0%) of genes in pham
• Manual Annotations of this start: 7 of 10
• Called 70.0% of time when present
• Phage (with cluster) where this start called: Araceli_70 (BH), Bogota_72 (BH), Crosby_73 (BH), Henoccus_71 (BH), JackieB_71 (BH), Microdon_69 (BH), UNTPL_72 (BH),

Start 6:
• Found in 6 of 10 (60.0%) of genes in pham
• Manual Annotations of this start: 3 of 10
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Intolerant_68 (BH), LazerLemon_71 (BH), Stuff_71 (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 7 times for cluster BH.
•Start number 6 was manually annotated 3 times for cluster BH.

Gene Information:

Gene: Araceli_70 Start: 49337, Stop: 49633, Start Num: 4
Candidate Starts for Araceli_70:
(3, 49304), (Start: 4 @49337 has 7 MA's), (5, 49349), (7, 49418), (8, 49433), (9, 49439), (10, 49448), (15, 49514),

Gene: Bogota_72 Start: 49706, Stop: 49960, Start Num: 4
Candidate Starts for Bogota_72:
(3, 49673), (Start: 4 @49706 has 7 MA's), (Start: 6 @49757 has 3 MA's), (10, 49790), (12, 49796), (13, 49805), (14, 49838), (16, 49895), (18, 49904), (19, 49919), (20, 49949),

Gene: Crosby_73 Start: 49692, Stop: 49943, Start Num: 4
Candidate Starts for Crosby_73:
(3, 49659), (Start: 4 @49692 has 7 MA's), (Start: 6 @49743 has 3 MA's), (10, 49776), (11, 49779), (16, 49881), (17, 49884), (19, 49905),

Gene: Henoccus_71 Start: 49476, Stop: 49772, Start Num: 4
Candidate Starts for Henoccus_71:
(2, 49302), (3, 49443), (Start: 4 @49476 has 7 MA's), (5, 49488), (7, 49557), (8, 49572), (9, 49578), (10, 49587), (15, 49653),

Gene: Intolerant_68 Start: 49357, Stop: 49557, Start Num: 6
Candidate Starts for Intolerant_68:
(1, 48928), (Start: 4 @49306 has 7 MA's), (Start: 6 @49357 has 3 MA's), (10, 49390), (11, 49393), (16, 49495), (17, 49498), (19, 49519),

Gene: JackieB_71 Start: 49197, Stop: 49496, Start Num: 4
Candidate Starts for JackieB_71:
(2, 49023), (3, 49164), (Start: 4 @49197 has 7 MA's), (5, 49209), (7, 49278), (8, 49293), (9, 49299), (10, 49308), (15, 49374),

Gene: LazerLemon_71 Start: 50083, Stop: 50289, Start Num: 6
Candidate Starts for LazerLemon_71:

(2, 49858), (3, 49999), (Start: 4 @50032 has 7 MA's), (Start: 6 @50083 has 3 MA's), (11, 50119), (16, 50221),

Gene: Microdon_69 Start: 48839, Stop: 49090, Start Num: 4
Candidate Starts for Microdon_69:
(3, 48806), (Start: 4 @48839 has 7 MA's), (Start: 6 @48890 has 3 MA's), (10, 48923), (11, 48926), (16, 49028), (17, 49031), (19, 49052),

Gene: Stuff_71 Start: 49729, Stop: 49935, Start Num: 6
Candidate Starts for Stuff_71:
(Start: 4 @49678 has 7 MA's), (5, 49693), (Start: 6 @49729 has 3 MA's), (10, 49762), (11, 49765), (14, 49810), (16, 49867), (17, 49870), (19, 49891),

Gene: UNTPL_72 Start: 49637, Stop: 49936, Start Num: 4
Candidate Starts for UNTPL_72:
(3, 49604), (Start: 4 @49637 has 7 MA's), (5, 49649), (7, 49718), (8, 49733), (9, 49739), (10, 49748), (15, 49814),