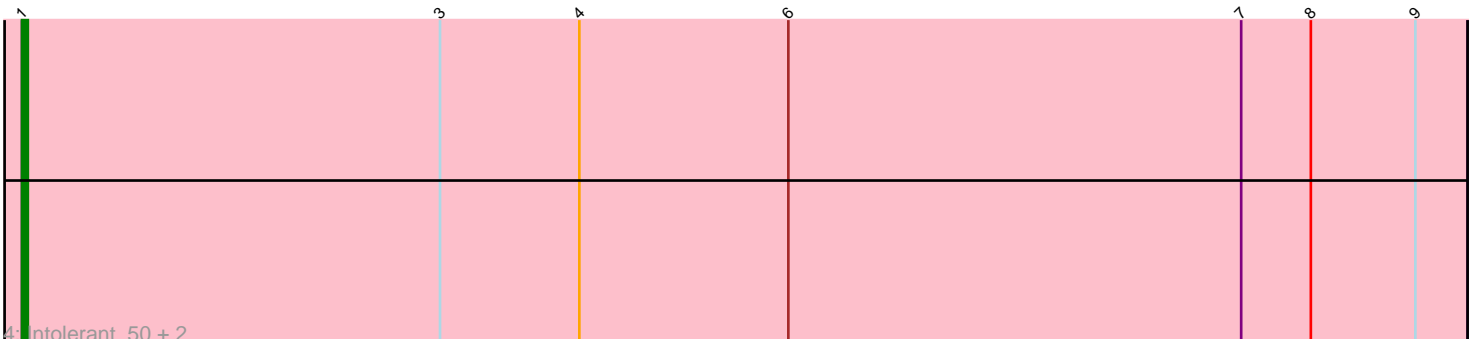
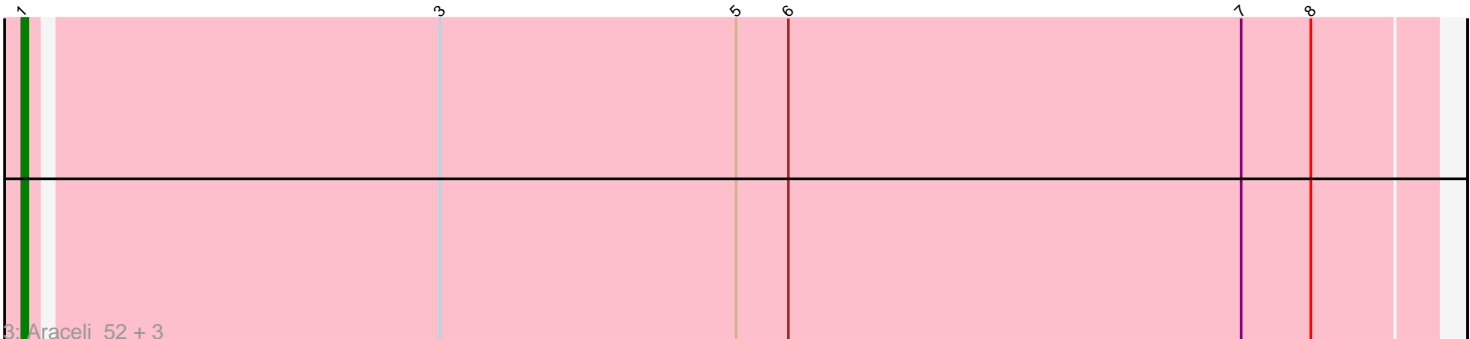
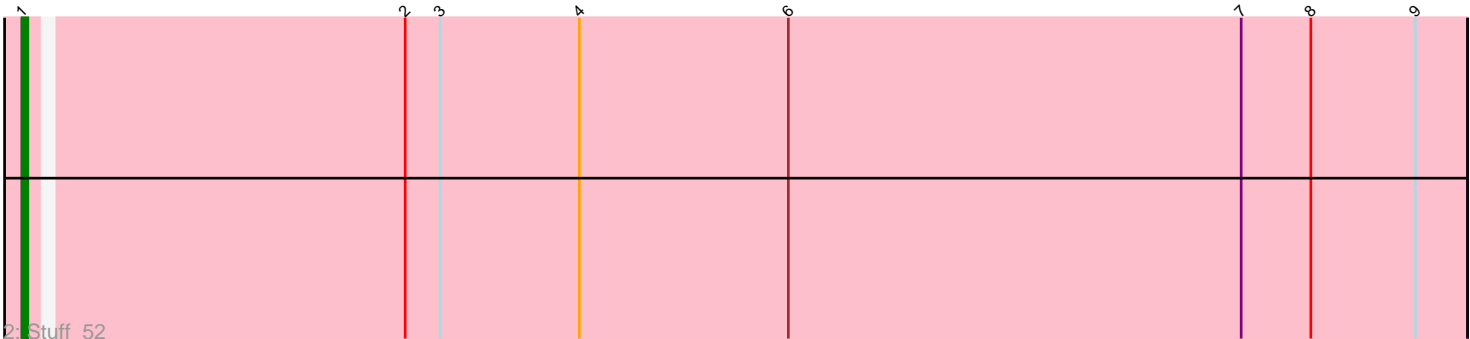
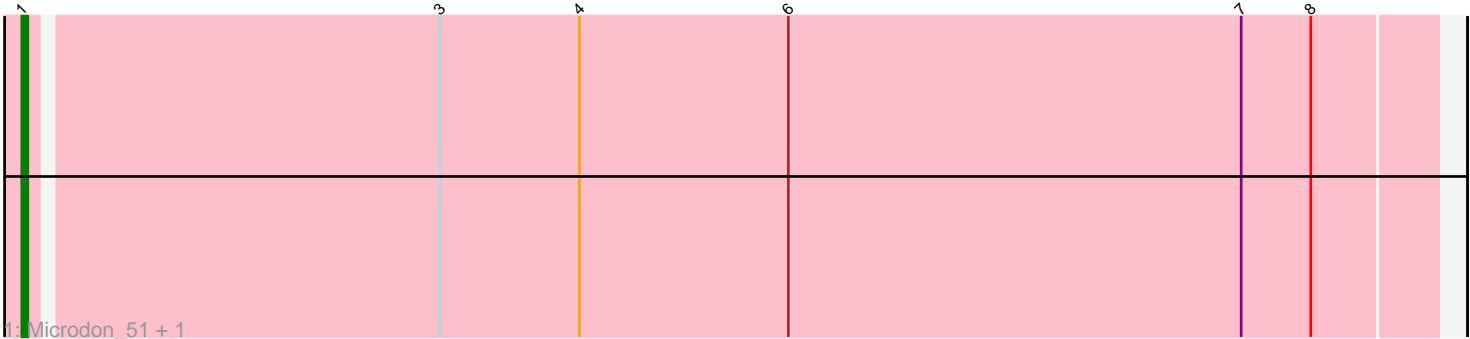


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Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. 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 87551 Report

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

Pham number 87551 has 10 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Microdon\_51, Crosby\_53
- Track 2 : Stuff\_52
- Track 3 : Araceli\_52, JackieB\_53, LazerLemon\_53, Henoccus\_53
- Track 4 : Intolerant\_50, UNTPL\_54, Bogota\_53

### ***Summary of Final Annotations (See graph section above for start numbers):***

The start number called the most often in the published annotations is 1, it was called in 10 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Araceli\_52, Bogota\_53, Crosby\_53, Henoccus\_53, Intolerant\_50, JackieB\_53, LazerLemon\_53, Microdon\_51, Stuff\_52, UNTPL\_54,

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 1:

- Found in 10 of 10 ( 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\_52 (BH), Bogota\_53 (BH), Crosby\_53 (BH), Henoccus\_53 (BH), Intolerant\_50 (BH), JackieB\_53 (BH), LazerLemon\_53 (BH), Microdon\_51 (BH), Stuff\_52 (BH), UNTPL\_54 (BH),

### **Summary by clusters:**

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:

•Start number 1 was manually annotated 10 times for cluster BH.

**Gene Information:**

Gene: Araceli\_52 Start: 37077, Stop: 37316, Start Num: 1

Candidate Starts for Araceli\_52:

(Start: 1 @37077 has 10 MA's), (3, 37146), (5, 37197), (6, 37206), (7, 37284), (8, 37296),

Gene: Bogota\_53 Start: 37434, Stop: 37679, Start Num: 1

Candidate Starts for Bogota\_53:

(Start: 1 @37434 has 10 MA's), (3, 37503), (4, 37527), (6, 37563), (7, 37641), (8, 37653), (9, 37671),

Gene: Crosby\_53 Start: 37196, Stop: 37432, Start Num: 1

Candidate Starts for Crosby\_53:

(Start: 1 @37196 has 10 MA's), (3, 37265), (4, 37289), (6, 37325), (7, 37403), (8, 37415),

Gene: Henoccus\_53 Start: 37100, Stop: 37339, Start Num: 1

Candidate Starts for Henoccus\_53:

(Start: 1 @37100 has 10 MA's), (3, 37169), (5, 37220), (6, 37229), (7, 37307), (8, 37319),

Gene: Intolerant\_50 Start: 37132, Stop: 37380, Start Num: 1

Candidate Starts for Intolerant\_50:

(Start: 1 @37132 has 10 MA's), (3, 37204), (4, 37228), (6, 37264), (7, 37342), (8, 37354), (9, 37372),

Gene: JackieB\_53 Start: 36933, Stop: 37172, Start Num: 1

Candidate Starts for JackieB\_53:

(Start: 1 @36933 has 10 MA's), (3, 37002), (5, 37053), (6, 37062), (7, 37140), (8, 37152),

Gene: LazerLemon\_53 Start: 37601, Stop: 37849, Start Num: 1

Candidate Starts for LazerLemon\_53:

(Start: 1 @37601 has 10 MA's), (3, 37673), (5, 37724), (6, 37733), (7, 37811), (8, 37823),

Gene: Microdon\_51 Start: 36934, Stop: 37173, Start Num: 1

Candidate Starts for Microdon\_51:

(Start: 1 @36934 has 10 MA's), (3, 37003), (4, 37027), (6, 37063), (7, 37141), (8, 37153),

Gene: Stuff\_52 Start: 37435, Stop: 37680, Start Num: 1

Candidate Starts for Stuff\_52:

(Start: 1 @37435 has 10 MA's), (2, 37498), (3, 37504), (4, 37528), (6, 37564), (7, 37642), (8, 37654), (9, 37672),

Gene: UNTPL\_54 Start: 37469, Stop: 37714, Start Num: 1

Candidate Starts for UNTPL\_54:

(Start: 1 @37469 has 10 MA's), (3, 37538), (4, 37562), (6, 37598), (7, 37676), (8, 37688), (9, 37706),