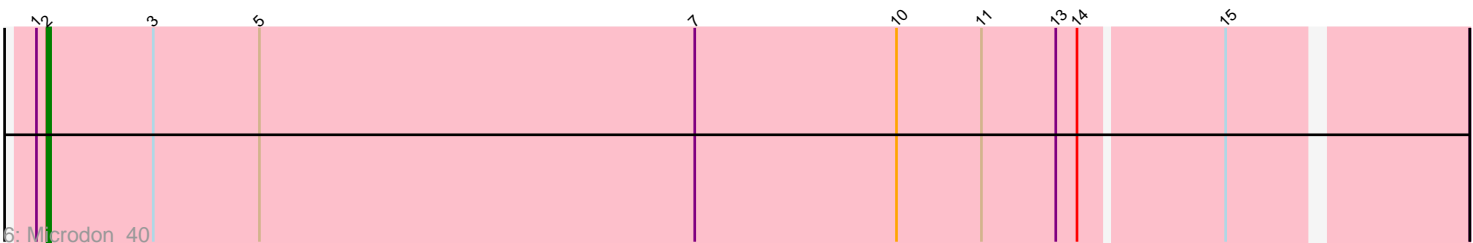
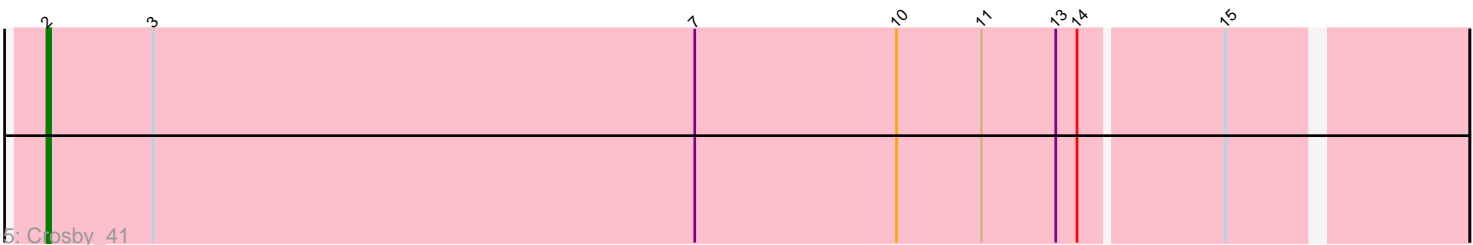
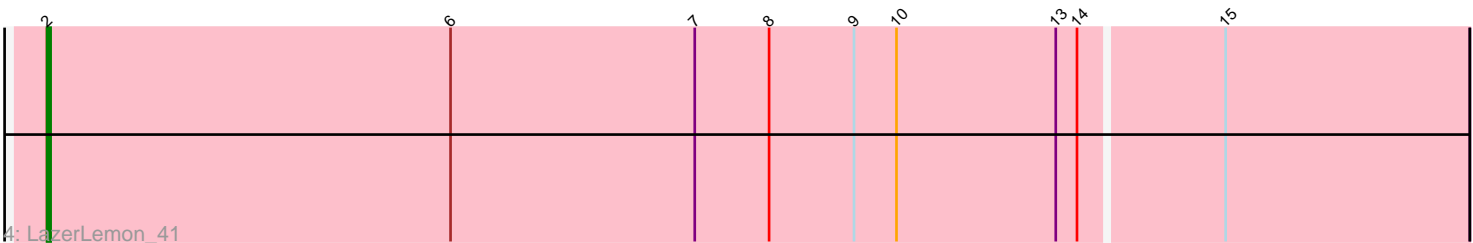
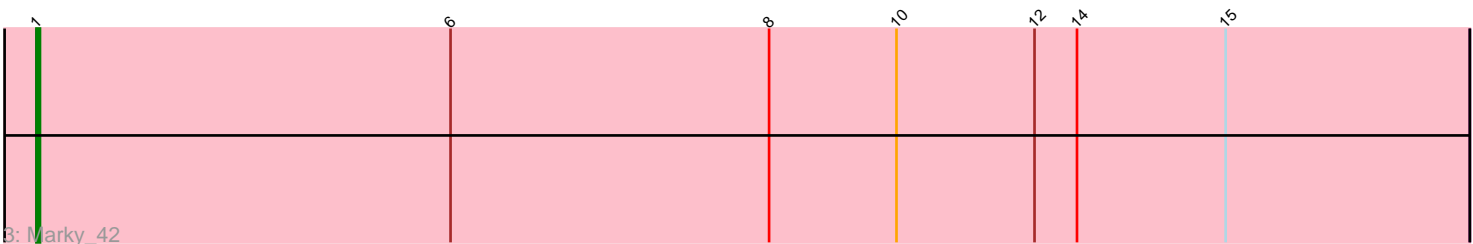
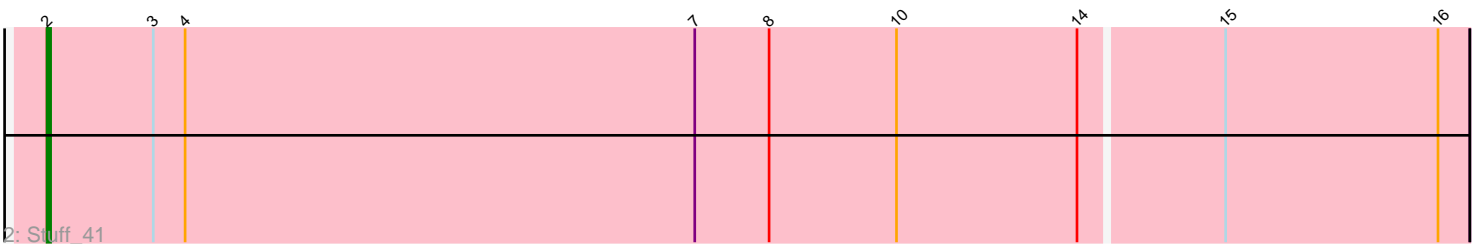
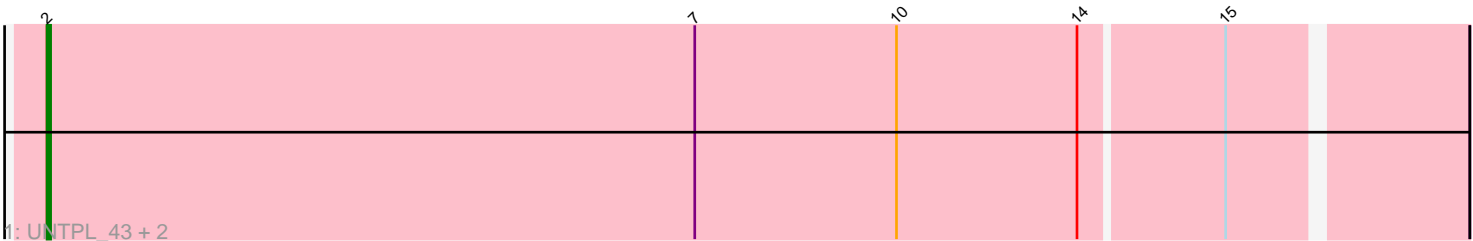


Pham 153793



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 153793 Report

This analysis was run 04/28/24 on database version 559.

Pham number 153793 has 8 members, 0 are drafts.

Phages represented in each track:

- Track 1 : UNTPL_43, Intolerant_40, Bogota_42
- Track 2 : Stuff_41
- Track 3 : Marky_42
- Track 4 : LazerLemon_41
- Track 5 : Crosby_41
- Track 6 : Microdon_40

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

The start number called the most often in the published annotations is 2, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bogota_42, Crosby_41, Intolerant_40, LazerLemon_41, Microdon_40, Stuff_41, UNTPL_43,

Genes that have the "Most Annotated" start but do not call it:

-

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

- Marky_42,

Summary by start number:

Start 1:

- Found in 2 of 8 (25.0%) of genes in pham
- Manual Annotations of this start: 1 of 8
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Marky_42 (BH),

Start 2:

- Found in 7 of 8 (87.5%) of genes in pham
- Manual Annotations of this start: 7 of 8
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Bogota_42 (BH), Crosby_41 (BH), Intolerant_40 (BH), LazerLemon_41 (BH), Microdon_40 (BH), Stuff_41 (BH), UNTPL_43 (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 1 time for cluster BH.
- Start number 2 was manually annotated 7 times for cluster BH.

Gene Information:

Gene: Bogota_42 Start: 30898, Stop: 31290, Start Num: 2

Candidate Starts for Bogota_42:

(Start: 2 @30898 has 7 MA's), (7, 31081), (10, 31138), (14, 31189), (15, 31228),

Gene: Crosby_41 Start: 30643, Stop: 31035, Start Num: 2

Candidate Starts for Crosby_41:

(Start: 2 @30643 has 7 MA's), (3, 30673), (7, 30826), (10, 30883), (11, 30907), (13, 30928), (14, 30934), (15, 30973),

Gene: Intolerant_40 Start: 30536, Stop: 30928, Start Num: 2

Candidate Starts for Intolerant_40:

(Start: 2 @30536 has 7 MA's), (7, 30719), (10, 30776), (14, 30827), (15, 30866),

Gene: LazerLemon_41 Start: 31019, Stop: 31417, Start Num: 2

Candidate Starts for LazerLemon_41:

(Start: 2 @31019 has 7 MA's), (6, 31133), (7, 31202), (8, 31223), (9, 31247), (10, 31259), (13, 31304), (14, 31310), (15, 31349),

Gene: Marky_42 Start: 30657, Stop: 31061, Start Num: 1

Candidate Starts for Marky_42:

(Start: 1 @30657 has 1 MA's), (6, 30774), (8, 30864), (10, 30900), (12, 30939), (14, 30951), (15, 30993),

Gene: Microdon_40 Start: 30342, Stop: 30734, Start Num: 2

Candidate Starts for Microdon_40:

(Start: 1 @30339 has 1 MA's), (Start: 2 @30342 has 7 MA's), (3, 30372), (5, 30402), (7, 30525), (10, 30582), (11, 30606), (13, 30627), (14, 30633), (15, 30672),

Gene: Stuff_41 Start: 30816, Stop: 31214, Start Num: 2

Candidate Starts for Stuff_41:

(Start: 2 @30816 has 7 MA's), (3, 30846), (4, 30855), (7, 30999), (8, 31020), (10, 31056), (14, 31107), (15, 31146), (16, 31206),

Gene: UNTPL_43 Start: 30879, Stop: 31271, Start Num: 2

Candidate Starts for UNTPL_43:

(Start: 2 @30879 has 7 MA's), (7, 31062), (10, 31119), (14, 31170), (15, 31209),