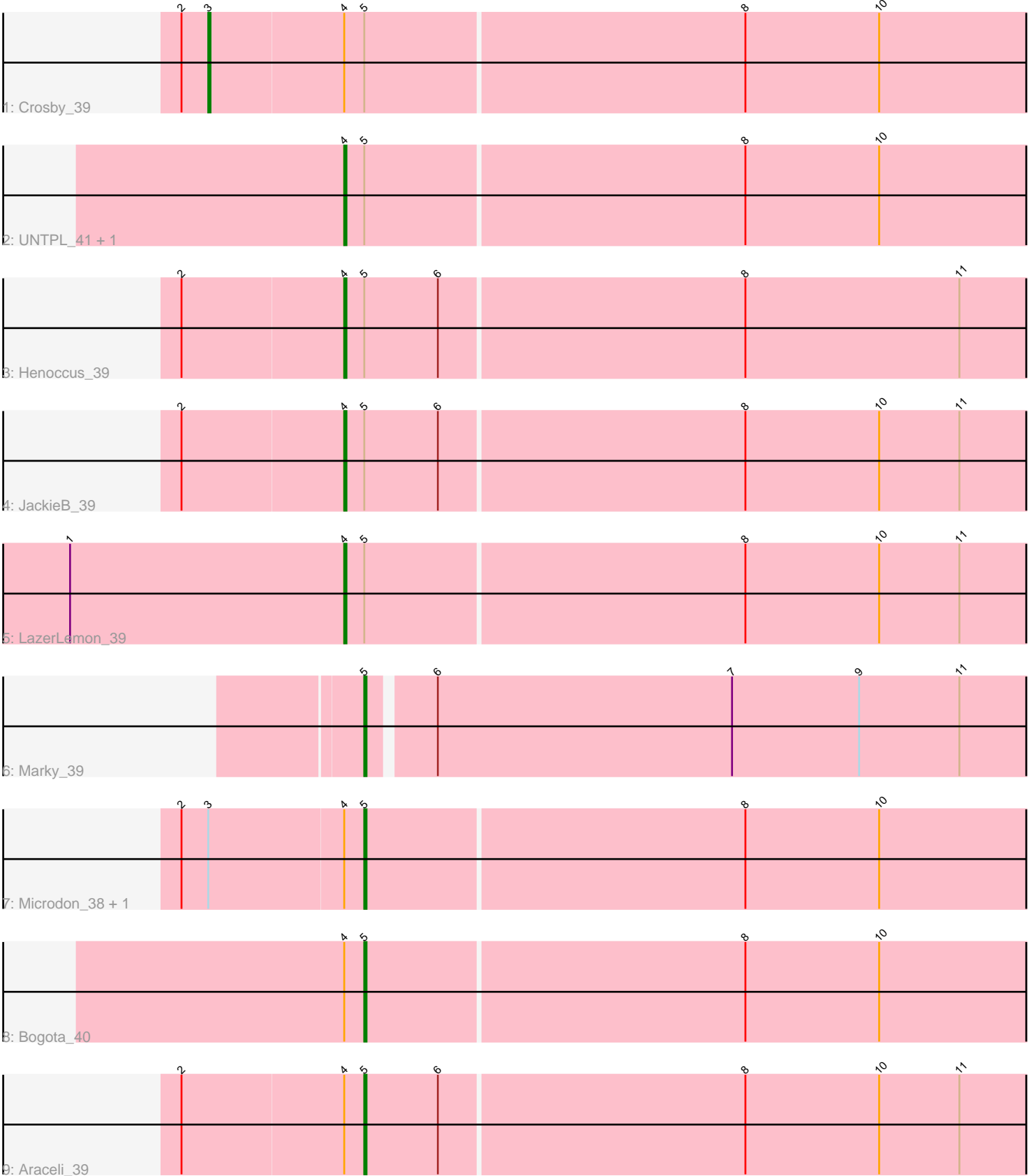


Pham 5535



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 5535 Report

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

Pham number 5535 has 11 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Crosby_39
- Track 2 : UNTPL_41, Intolerant_38
- Track 3 : Henoccus_39
- Track 4 : JackieB_39
- Track 5 : LazerLemon_39
- Track 6 : Marky_39
- Track 7 : Microdon_38, Stuff_39
- Track 8 : Bogota_40
- Track 9 : Araceli_39

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 5 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Henoccus_39, Intolerant_38, JackieB_39, LazerLemon_39, UNTPL_41,

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

- Araceli_39, Bogota_40, Crosby_39, Microdon_38, Stuff_39,

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

- Marky_39,

Summary by start number:

Start 3:

- Found in 3 of 11 (27.3%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Crosby_39 (BH),

Start 4:

- Found in 10 of 11 (90.9%) of genes in pham

- Manual Annotations of this start: 5 of 11
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Henoccus_39 (BH), Intolerant_38 (BH), JackieB_39 (BH), LazerLemon_39 (BH), UNTPL_41 (BH),

Start 5:

- Found in 11 of 11 (100.0%) of genes in pham
- Manual Annotations of this start: 5 of 11
- Called 45.5% of time when present
- Phage (with cluster) where this start called: Araceli_39 (BH), Bogota_40 (BH), Marky_39 (BH), Microdon_38 (BH), Stuff_39 (BH),

Summary by clusters:

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:

- Start number 3 was manually annotated 1 time for cluster BH.
- Start number 4 was manually annotated 5 times for cluster BH.
- Start number 5 was manually annotated 5 times for cluster BH.

Gene Information:

Gene: Araceli_39 Start: 29923, Stop: 30216, Start Num: 5

Candidate Starts for Araceli_39:

(2, 29842), (Start: 4 @29914 has 5 MA's), (Start: 5 @29923 has 5 MA's), (6, 29956), (8, 30091), (10, 30151), (11, 30187),

Gene: Bogota_40 Start: 30335, Stop: 30631, Start Num: 5

Candidate Starts for Bogota_40:

(Start: 4 @30326 has 5 MA's), (Start: 5 @30335 has 5 MA's), (8, 30503), (10, 30563),

Gene: Crosby_39 Start: 30008, Stop: 30373, Start Num: 3

Candidate Starts for Crosby_39:

(2, 29996), (Start: 3 @30008 has 1 MA's), (Start: 4 @30068 has 5 MA's), (Start: 5 @30077 has 5 MA's), (8, 30245), (10, 30305),

Gene: Henoccus_39 Start: 29931, Stop: 30233, Start Num: 4

Candidate Starts for Henoccus_39:

(2, 29859), (Start: 4 @29931 has 5 MA's), (Start: 5 @29940 has 5 MA's), (6, 29973), (8, 30108), (11, 30204),

Gene: Intolerant_38 Start: 29961, Stop: 30266, Start Num: 4

Candidate Starts for Intolerant_38:

(Start: 4 @29961 has 5 MA's), (Start: 5 @29970 has 5 MA's), (8, 30138), (10, 30198),

Gene: JackieB_39 Start: 29769, Stop: 30071, Start Num: 4

Candidate Starts for JackieB_39:

(2, 29697), (Start: 4 @29769 has 5 MA's), (Start: 5 @29778 has 5 MA's), (6, 29811), (8, 29946), (10, 30006), (11, 30042),

Gene: LazerLemon_39 Start: 30440, Stop: 30745, Start Num: 4

Candidate Starts for LazerLemon_39:

(1, 30317), (Start: 4 @30440 has 5 MA's), (Start: 5 @30449 has 5 MA's), (8, 30617), (10, 30677), (11, 30713),

Gene: Marky_39 Start: 29810, Stop: 30103, Start Num: 5

Candidate Starts for Marky_39:

(Start: 5 @29810 has 5 MA's), (6, 29837), (7, 29969), (9, 30026), (11, 30071),

Gene: Microdon_38 Start: 29776, Stop: 30072, Start Num: 5

Candidate Starts for Microdon_38:

(2, 29695), (Start: 3 @29707 has 1 MA's), (Start: 4 @29767 has 5 MA's), (Start: 5 @29776 has 5 MA's), (8, 29944), (10, 30004),

Gene: Stuff_39 Start: 30250, Stop: 30546, Start Num: 5

Candidate Starts for Stuff_39:

(2, 30169), (Start: 3 @30181 has 1 MA's), (Start: 4 @30241 has 5 MA's), (Start: 5 @30250 has 5 MA's), (8, 30418), (10, 30478),

Gene: UNTPL_41 Start: 30307, Stop: 30612, Start Num: 4

Candidate Starts for UNTPL_41:

(Start: 4 @30307 has 5 MA's), (Start: 5 @30316 has 5 MA's), (8, 30484), (10, 30544),