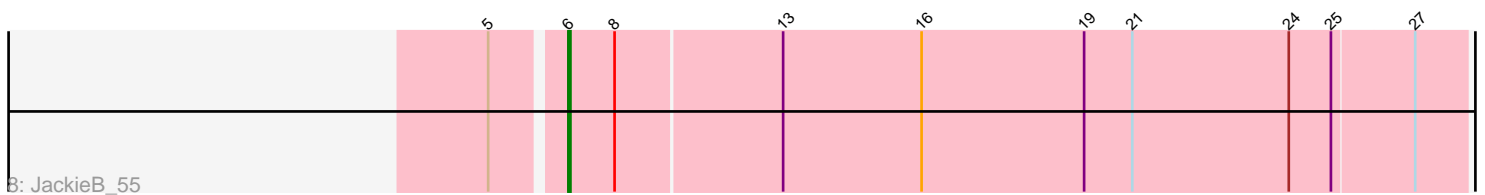
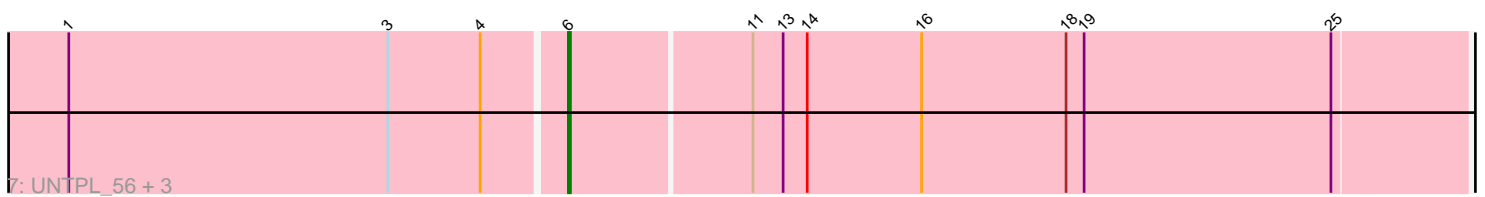
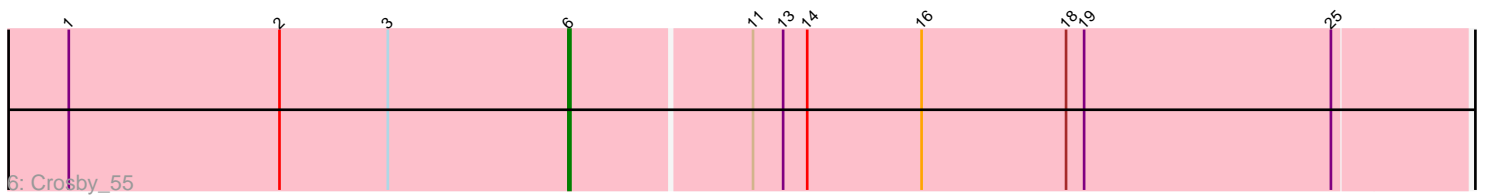
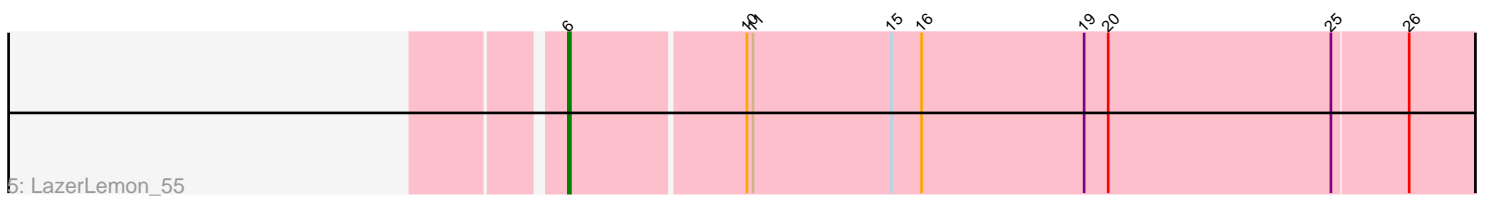
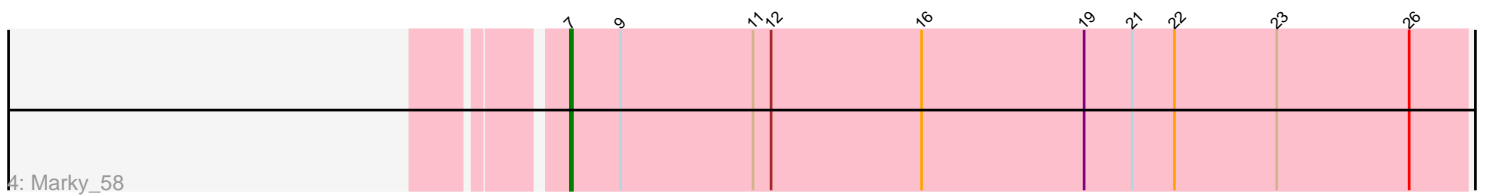
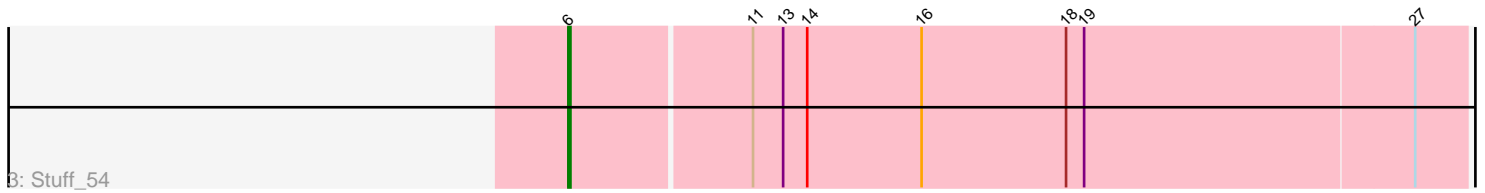
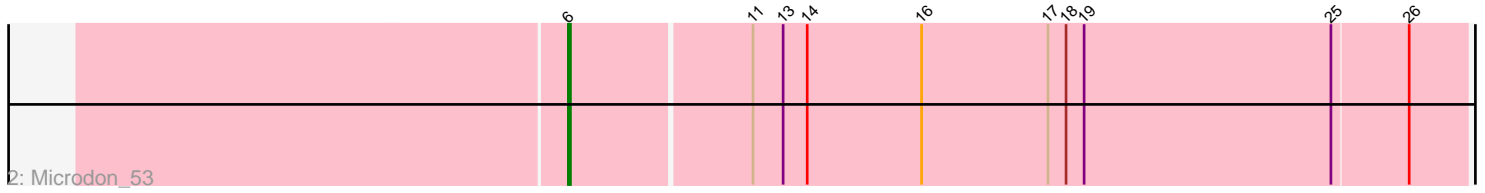
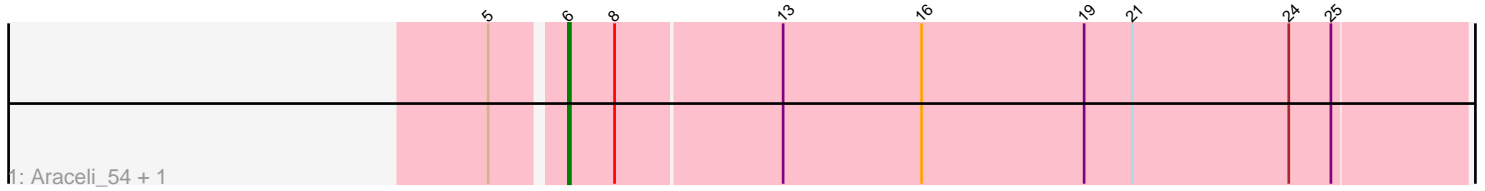


# Pham 297127



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 297127 Report

This analysis was run 04/25/26 on database version 644.

Pham number 297127 has 12 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Araceli\_54, Henoccus\_55
- Track 2 : Microdon\_53
- Track 3 : Stuff\_54
- Track 4 : Marky\_58
- Track 5 : LazerLemon\_55
- Track 6 : Crosby\_55
- Track 7 : UNTPL\_56, Intolerant\_52, Shynx\_54, Bogota\_55
- Track 8 : JackieB\_55

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

The start number called the most often in the published annotations is 6, it was called in 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Araceli\_54, Bogota\_55, Crosby\_55, Henoccus\_55, Intolerant\_52, JackieB\_55, LazerLemon\_55, Microdon\_53, Shynx\_54, Stuff\_54, UNTPL\_56,

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

- 

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

- Marky\_58,

### **Summary by start number:**

Start 6:

- Found in 11 of 12 ( 91.7% ) of genes in pham
- Manual Annotations of this start: 11 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Araceli\_54 (BH), Bogota\_55 (BH), Crosby\_55 (BH), Henoccus\_55 (BH), Intolerant\_52 (BH), JackieB\_55 (BH), LazerLemon\_55 (BH), Microdon\_53 (BH), Shynx\_54 (BH), Stuff\_54 (BH), UNTPL\_56 (BH),

Start 7:

- Found in 1 of 12 ( 8.3% ) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Marky\_58 (BH),

### Summary by clusters:

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:

- Start number 6 was manually annotated 11 times for cluster BH.
- Start number 7 was manually annotated 1 time for cluster BH.

### Gene Information:

Gene: Araceli\_54 Start: 38538, Stop: 39008, Start Num: 6

Candidate Starts for Araceli\_54:

(5, 38505), (Start: 6 @38538 has 11 MA's), (8, 38559), (13, 38640), (16, 38709), (19, 38790), (21, 38814), (24, 38892), (25, 38913),

Gene: Bogota\_55 Start: 38866, Stop: 39336, Start Num: 6

Candidate Starts for Bogota\_55:

(1, 38623), (3, 38782), (4, 38827), (Start: 6 @38866 has 11 MA's), (11, 38953), (13, 38968), (14, 38980), (16, 39037), (18, 39109), (19, 39118), (25, 39241),

Gene: Crosby\_55 Start: 38632, Stop: 39102, Start Num: 6

Candidate Starts for Crosby\_55:

(1, 38383), (2, 38488), (3, 38542), (Start: 6 @38632 has 11 MA's), (11, 38719), (13, 38734), (14, 38746), (16, 38803), (18, 38875), (19, 38884), (25, 39007),

Gene: Henoccus\_55 Start: 38561, Stop: 39031, Start Num: 6

Candidate Starts for Henoccus\_55:

(5, 38528), (Start: 6 @38561 has 11 MA's), (8, 38582), (13, 38663), (16, 38732), (19, 38813), (21, 38837), (24, 38915), (25, 38936),

Gene: Intolerant\_52 Start: 38567, Stop: 39037, Start Num: 6

Candidate Starts for Intolerant\_52:

(1, 38324), (3, 38483), (4, 38528), (Start: 6 @38567 has 11 MA's), (11, 38654), (13, 38669), (14, 38681), (16, 38738), (18, 38810), (19, 38819), (25, 38942),

Gene: JackieB\_55 Start: 38393, Stop: 38863, Start Num: 6

Candidate Starts for JackieB\_55:

(5, 38360), (Start: 6 @38393 has 11 MA's), (8, 38414), (13, 38495), (16, 38564), (19, 38645), (21, 38669), (24, 38747), (25, 38768), (27, 38807),

Gene: LazerLemon\_55 Start: 39090, Stop: 39566, Start Num: 6

Candidate Starts for LazerLemon\_55:

(Start: 6 @39090 has 11 MA's), (10, 39174), (11, 39177), (15, 39246), (16, 39261), (19, 39342), (20, 39354), (25, 39465), (26, 39501),

Gene: Marky\_58 Start: 39550, Stop: 40026, Start Num: 7

Candidate Starts for Marky\_58:

(Start: 7 @39550 has 1 MA's), (9, 39574), (11, 39640), (12, 39649), (16, 39724), (19, 39805), (21, 39829), (22, 39850), (23, 39901), (26, 39967),

Gene: Microdon\_53 Start: 38365, Stop: 38835, Start Num: 6

Candidate Starts for Microdon\_53:

(Start: 6 @38365 has 11 MA's), (11, 38452), (13, 38467), (14, 38479), (16, 38536), (17, 38599), (18, 38608), (19, 38617), (25, 38740), (26, 38776),

Gene: Shynx\_54 Start: 38803, Stop: 39273, Start Num: 6

Candidate Starts for Shynx\_54:

(1, 38560), (3, 38719), (4, 38764), (Start: 6 @38803 has 11 MA's), (11, 38890), (13, 38905), (14, 38917), (16, 38974), (18, 39046), (19, 39055), (25, 39178),

Gene: Stuff\_54 Start: 38872, Stop: 39342, Start Num: 6

Candidate Starts for Stuff\_54:

(Start: 6 @38872 has 11 MA's), (11, 38959), (13, 38974), (14, 38986), (16, 39043), (18, 39115), (19, 39124), (27, 39286),

Gene: UNTPL\_56 Start: 38901, Stop: 39371, Start Num: 6

Candidate Starts for UNTPL\_56:

(1, 38658), (3, 38817), (4, 38862), (Start: 6 @38901 has 11 MA's), (11, 38988), (13, 39003), (14, 39015), (16, 39072), (18, 39144), (19, 39153), (25, 39276),