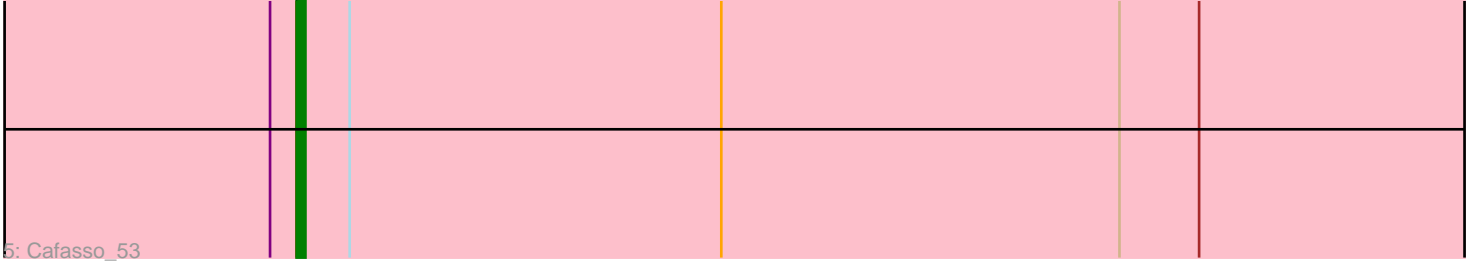
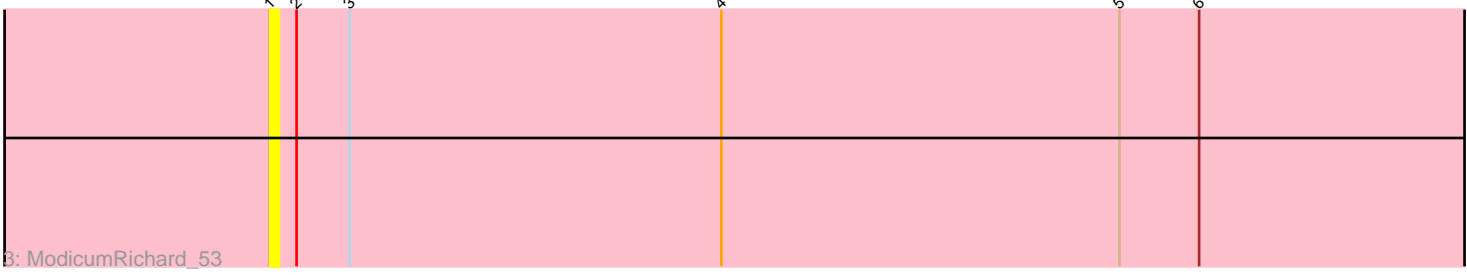
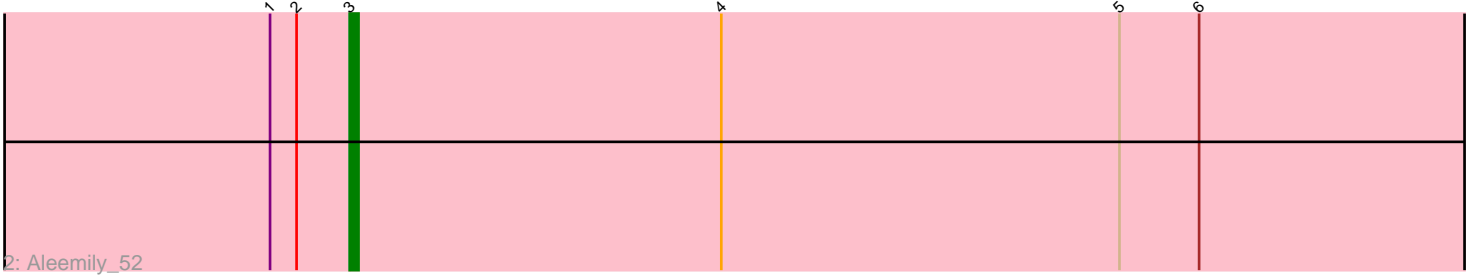
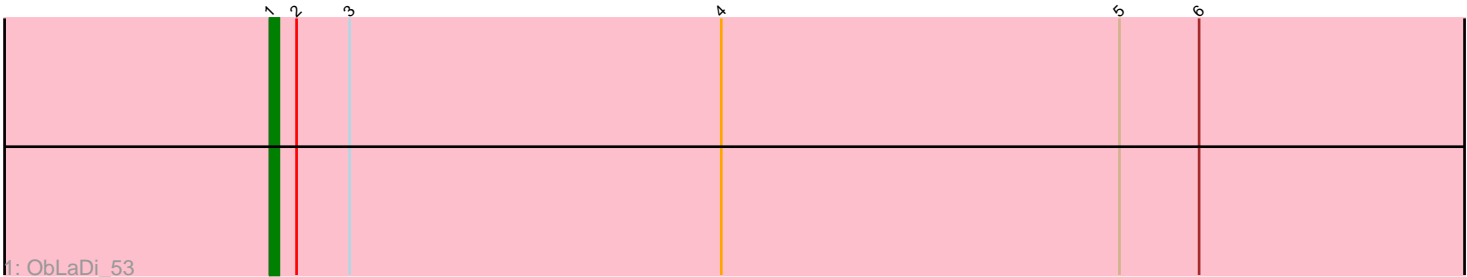


Pham 12084



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 12084 Report

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

Pham number 12084 has 5 members, 1 are drafts.

Phages represented in each track:

- Track 1 : ObLaDi_53
- Track 2 : Aleemily_52
- Track 3 : ModicumRichard_53
- Track 4 : Morgana_53
- Track 5 : Cafasso_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 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ModicumRichard_53, Morgana_53, ObLaDi_53,

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

- Aleemily_52, Cafasso_53,

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

-

Summary by start number:

Start 1:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 4
- Called 60.0% of time when present
- Phage (with cluster) where this start called: ModicumRichard_53 (DZ), Morgana_53 (DZ), ObLaDi_53 (DZ),

Start 2:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Cafasso_53 (DZ),

Start 3:

- Found in 5 of 5 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 4
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Aleemily_52 (DZ),

Summary by clusters:

There is one cluster represented in this pham: DZ

Info for manual annotations of cluster DZ:

- Start number 1 was manually annotated 2 times for cluster DZ.
- Start number 2 was manually annotated 1 time for cluster DZ.
- Start number 3 was manually annotated 1 time for cluster DZ.

Gene Information:

Gene: Aleemily_52 Start: 39255, Stop: 39398, Start Num: 3

Candidate Starts for Aleemily_52:

(Start: 1 @39246 has 2 MA's), (Start: 2 @39249 has 1 MA's), (Start: 3 @39255 has 1 MA's), (4, 39297), (5, 39342), (6, 39351),

Gene: Cafasso_53 Start: 39823, Stop: 39972, Start Num: 2

Candidate Starts for Cafasso_53:

(Start: 1 @39820 has 2 MA's), (Start: 2 @39823 has 1 MA's), (Start: 3 @39829 has 1 MA's), (4, 39871), (5, 39916), (6, 39925),

Gene: ModicumRichard_53 Start: 39819, Stop: 39971, Start Num: 1

Candidate Starts for ModicumRichard_53:

(Start: 1 @39819 has 2 MA's), (Start: 2 @39822 has 1 MA's), (Start: 3 @39828 has 1 MA's), (4, 39870), (5, 39915), (6, 39924),

Gene: Morgana_53 Start: 39773, Stop: 39925, Start Num: 1

Candidate Starts for Morgana_53:

(Start: 1 @39773 has 2 MA's), (Start: 2 @39776 has 1 MA's), (Start: 3 @39782 has 1 MA's), (4, 39824), (5, 39869), (6, 39878),

Gene: ObLaDi_53 Start: 39810, Stop: 39962, Start Num: 1

Candidate Starts for ObLaDi_53:

(Start: 1 @39810 has 2 MA's), (Start: 2 @39813 has 1 MA's), (Start: 3 @39819 has 1 MA's), (4, 39861), (5, 39906), (6, 39915),