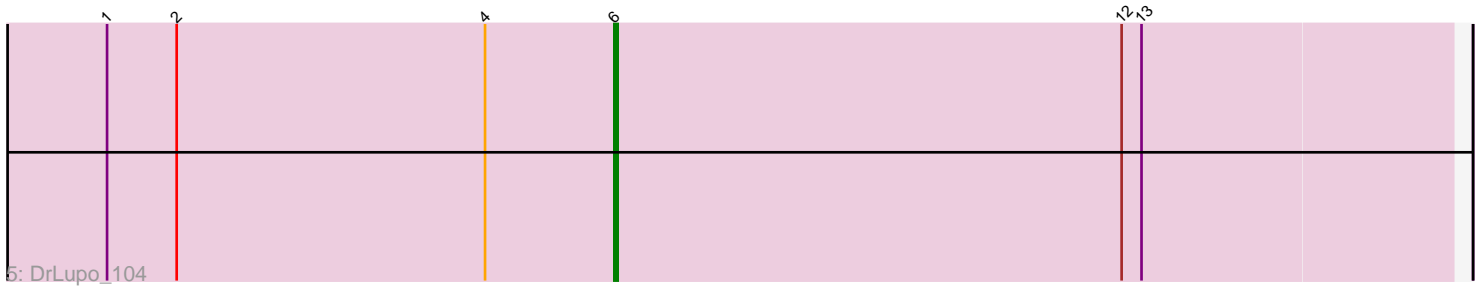
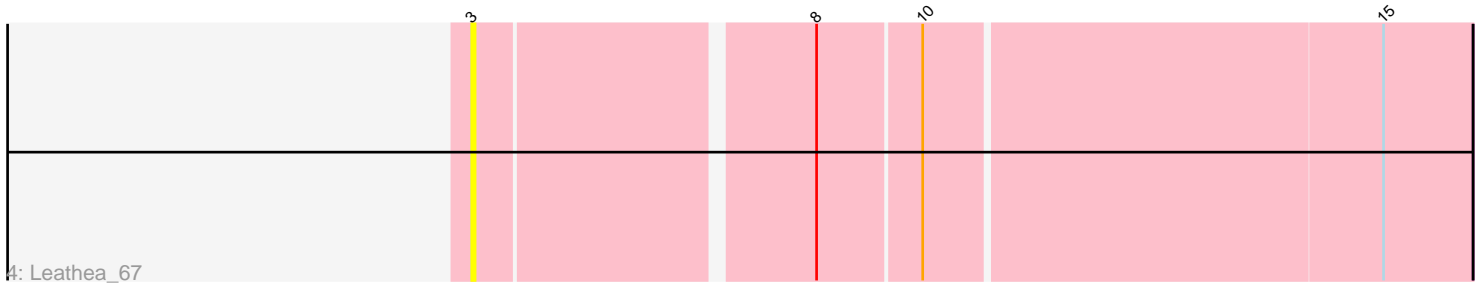
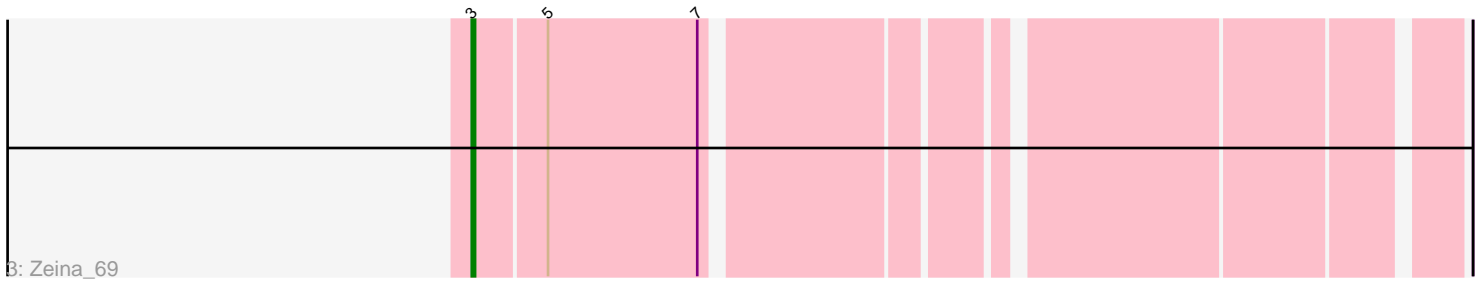
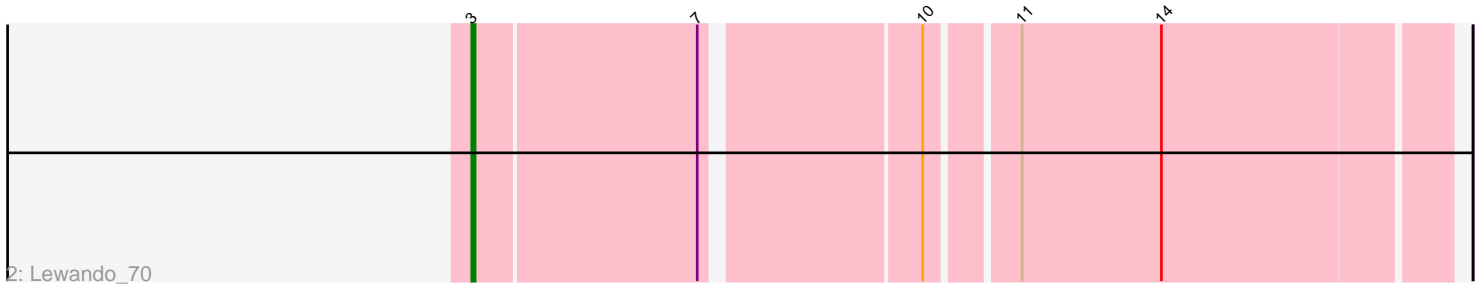
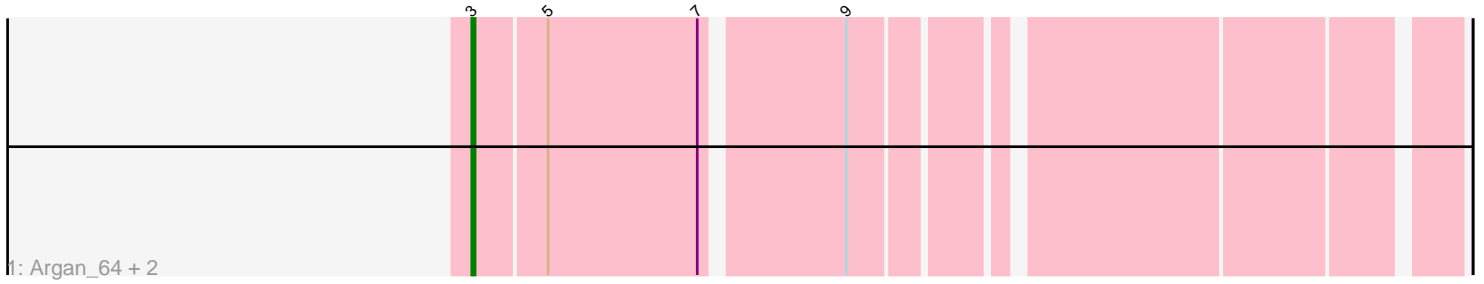


Pham 170621



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 170621 Report

This analysis was run 07/09/24 on database version 566.

Pham number 170621 has 7 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Argan_64, Uzumaki_64, GantcherGoblin_65
- Track 2 : Lewando_70
- Track 3 : Zeina_69
- Track 4 : Leathea_67
- Track 5 : DrLupo_104

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

The start number called the most often in the published annotations is 3, it was called in 5 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Argan_64, GantcherGoblin_65, Leathea_67, Lewando_70, Uzumaki_64, Zeina_69,

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

-

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

- DrLupo_104,

Summary by start number:

Start 3:

- Found in 6 of 7 (85.7%) of genes in pham
- Manual Annotations of this start: 5 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Argan_64 (AU6), GantcherGoblin_65 (AU6), Leathea_67 (AU6), Lewando_70 (AU6), Uzumaki_64 (AU6), Zeina_69 (AU6),

Start 6:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DrLupo_104 (H2),

Summary by clusters:

There are 2 clusters represented in this pham: H2, AU6,

Info for manual annotations of cluster AU6:

- Start number 3 was manually annotated 5 times for cluster AU6.

Info for manual annotations of cluster H2:

- Start number 6 was manually annotated 1 time for cluster H2.

Gene Information:

Gene: Argan_64 Start: 42700, Stop: 42966, Start Num: 3

Candidate Starts for Argan_64:

(Start: 3 @42700 has 5 MA's), (5, 42721), (7, 42766), (9, 42805),

Gene: DrLupo_104 Start: 65399, Stop: 65650, Start Num: 6

Candidate Starts for DrLupo_104:

(1, 65246), (2, 65267), (4, 65360), (Start: 6 @65399 has 1 MA's), (12, 65552), (13, 65558),

Gene: GantcherGoblin_65 Start: 42756, Stop: 43022, Start Num: 3

Candidate Starts for GantcherGoblin_65:

(Start: 3 @42756 has 5 MA's), (5, 42777), (7, 42822), (9, 42861),

Gene: Leathea_67 Start: 42633, Stop: 42920, Start Num: 3

Candidate Starts for Leathea_67:

(Start: 3 @42633 has 5 MA's), (8, 42729), (10, 42759), (15, 42894),

Gene: Lewando_70 Start: 44452, Stop: 44727, Start Num: 3

Candidate Starts for Lewando_70:

(Start: 3 @44452 has 5 MA's), (7, 44518), (10, 44578), (11, 44602), (14, 44644),

Gene: Uzumaki_64 Start: 42857, Stop: 43123, Start Num: 3

Candidate Starts for Uzumaki_64:

(Start: 3 @42857 has 5 MA's), (5, 42878), (7, 42923), (9, 42962),

Gene: Zeina_69 Start: 43551, Stop: 43817, Start Num: 3

Candidate Starts for Zeina_69:

(Start: 3 @43551 has 5 MA's), (5, 43572), (7, 43617),