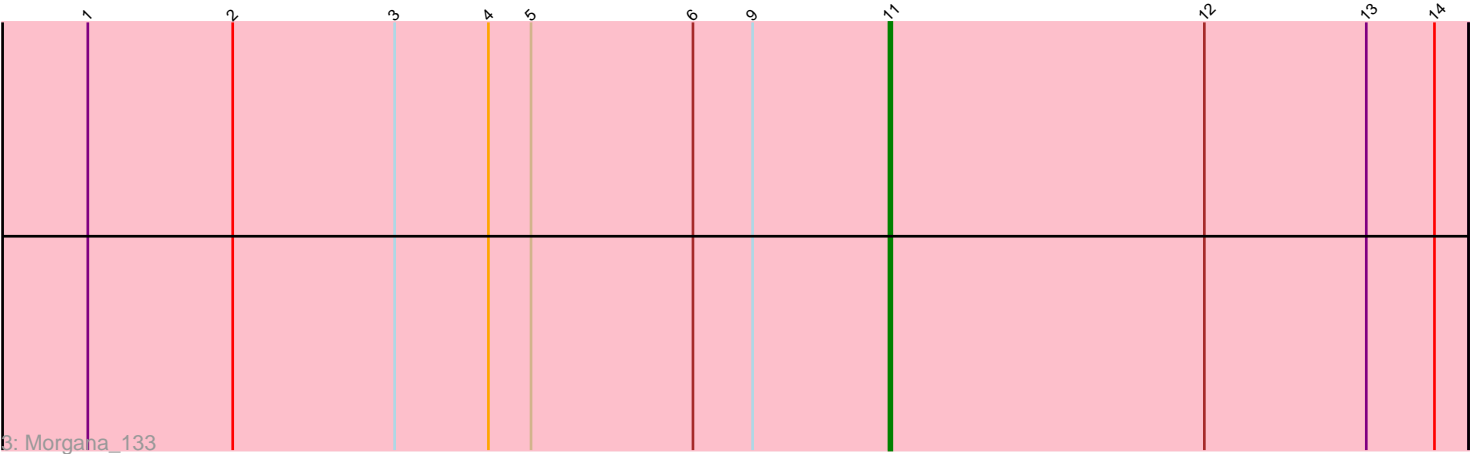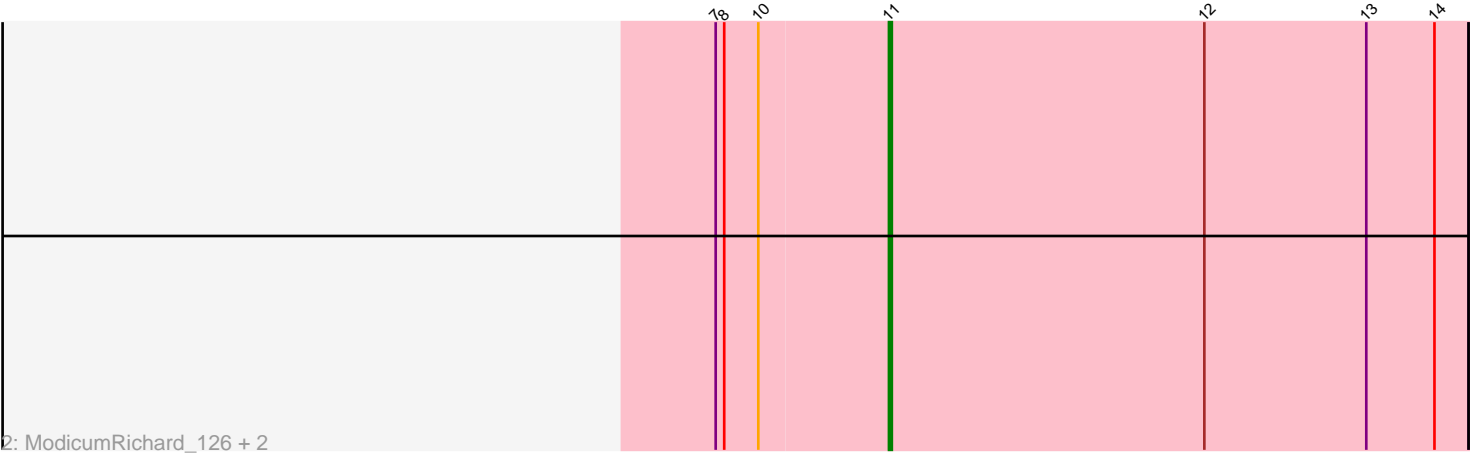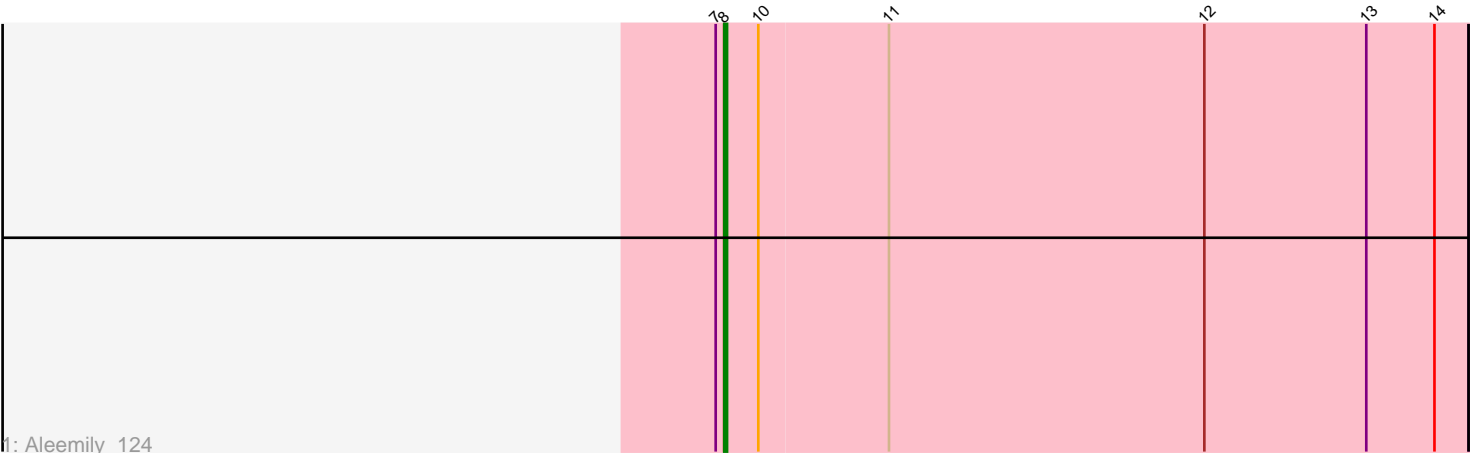# Pham 10543

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 10543 Report

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

Pham number 10543 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Aleemily_124
• Track 2 : ModicumRichard_126, Cafasso_126, ObLaDi_125
• Track 3 : Morgana_133

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

The start number called the most often in the published annotations is 11, it was called in 3 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cafasso_126, ModicumRichard_126, Morgana_133, ObLaDi_125,

Genes that have the "Most Annotated" start but do not call it:
• Aleemily_124,

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

Summary by start number:

Start 8:
• Found in 4 of 5 (80.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Aleemily_124 (DZ),

Start 11:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 3 of 4
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Cafasso_126 (DZ), ModicumRichard_126 (DZ), Morgana_133 (DZ), ObLaDi_125 (DZ),

Summary by clusters:

There is one cluster represented in this pham: DZ

Info for manual annotations of cluster DZ:
•Start number 8 was manually annotated 1 time for cluster DZ.
•Start number 11 was manually annotated 3 times for cluster DZ.

Gene Information:

Gene: Aleemily_124 Start: 67068, Stop: 66808, Start Num: 8
Candidate Starts for Aleemily_124:
(7, 67071), (Start: 8 @67068 has 1 MA's), (10, 67056), (Start: 11 @67011 has 3 MA's), (12, 66900), (13, 66843), (14, 66819),

Gene: Cafasso_126 Start: 67616, Stop: 67413, Start Num: 11
Candidate Starts for Cafasso_126:
(7, 67676), (Start: 8 @67673 has 1 MA's), (10, 67661), (Start: 11 @67616 has 3 MA's), (12, 67505), (13, 67448), (14, 67424),

Gene: ModicumRichard_126 Start: 67904, Stop: 67701, Start Num: 11
Candidate Starts for ModicumRichard_126:
(7, 67964), (Start: 8 @67961 has 1 MA's), (10, 67949), (Start: 11 @67904 has 3 MA's), (12, 67793), (13, 67736), (14, 67712),

Gene: Morgana_133 Start: 70075, Stop: 69872, Start Num: 11
Candidate Starts for Morgana_133:
(1, 70357), (2, 70306), (3, 70249), (4, 70216), (5, 70201), (6, 70144), (9, 70123), (Start: 11 @70075 has 3 MA's), (12, 69964), (13, 69907), (14, 69883),

Gene: ObLaDi_125 Start: 67306, Stop: 67103, Start Num: 11
Candidate Starts for ObLaDi_125:
(7, 67366), (Start: 8 @67363 has 1 MA's), (10, 67351), (Start: 11 @67306 has 3 MA's), (12, 67195), (13, 67138), (14, 67114),