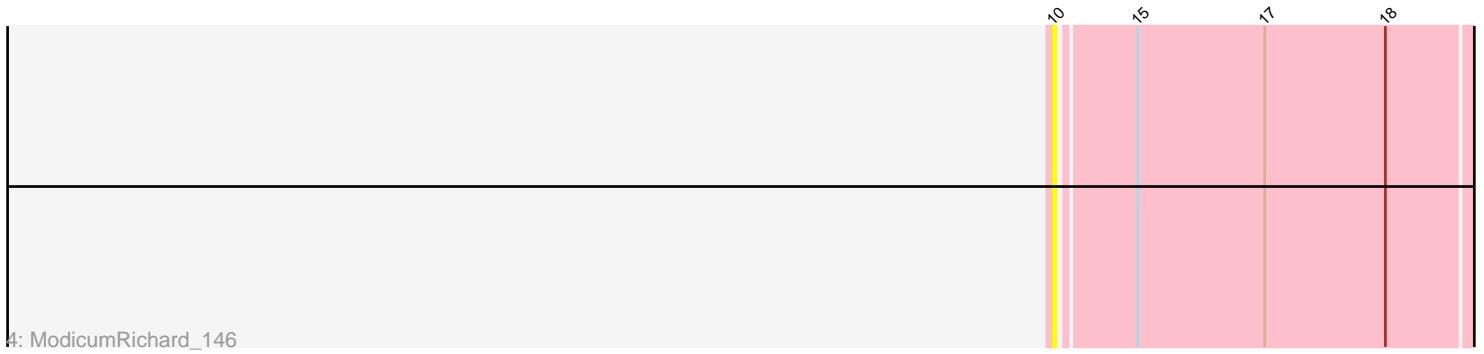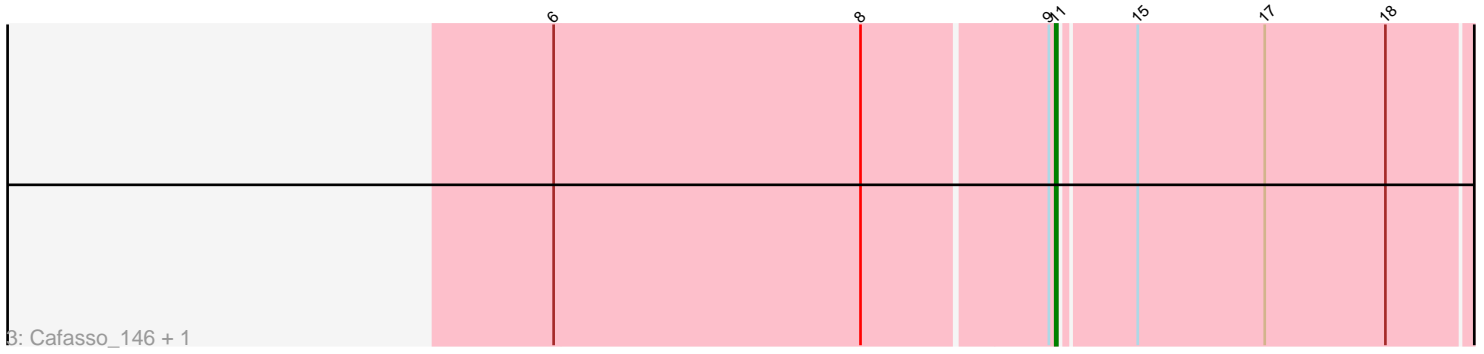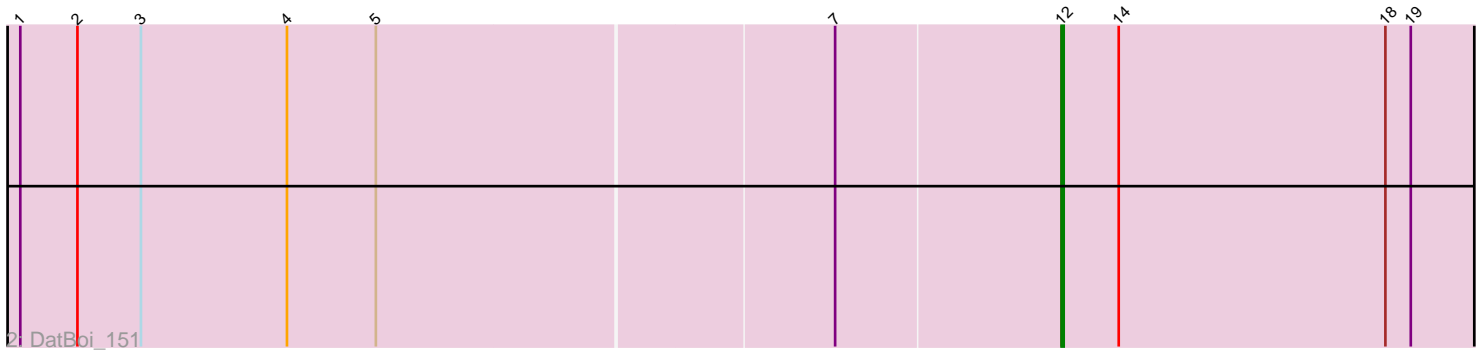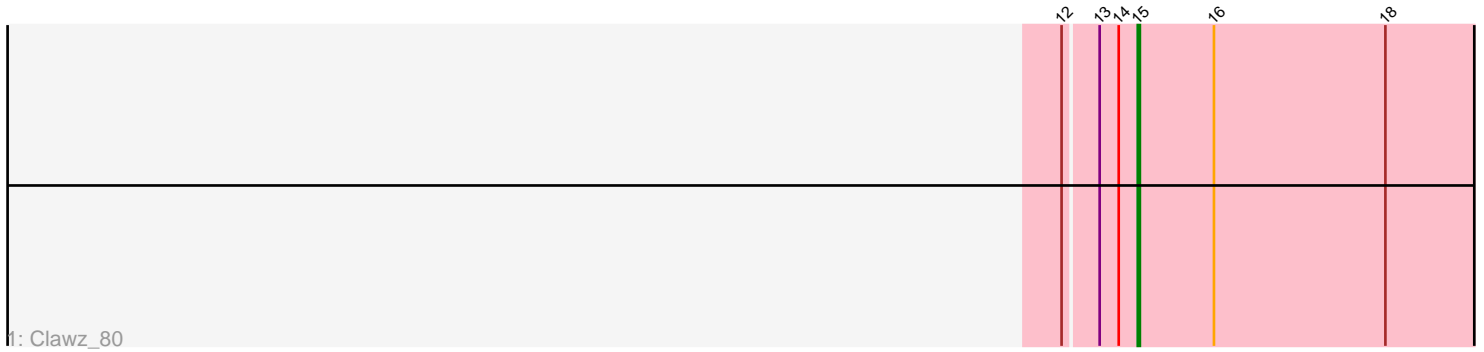# Pham 167377

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 167377 Report

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

Pham number 167377 has 5 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Clawz_80
• Track 2 : DatBoi_151
• Track 3 : Cafasso_146, Aleemily_144
• Track 4 : ModicumRichard_146

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 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Aleemily_144, Cafasso_146,

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

Genes that do not have the "Most Annotated" start:
• Clawz_80, DatBoi_151, ModicumRichard_146,

Summary by start number:

Start 10:
• Found in 1 of 5 (20.0%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ModicumRichard_146 (DZ),

Start 11:
• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Aleemily_144 (DZ), Cafasso_146 (DZ),

Start 12:

• Found in 2 of 5 (40.0%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 50.0% of time when present
• Phage (with cluster) where this start called: DatBoi_151 (DL),

Start 15:
• 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: Clawz_80 (CP),

Summary by clusters:

There are 3 clusters represented in this pham: DL, CP, DZ,

Info for manual annotations of cluster CP:
•Start number 15 was manually annotated 1 time for cluster CP.

Info for manual annotations of cluster DL:
•Start number 12 was manually annotated 1 time for cluster DL.

Info for manual annotations of cluster DZ:
•Start number 11 was manually annotated 2 times for cluster DZ.

Gene Information:
Gene: Aleemily_144 Start: 76654, Stop: 76460, Start Num: 11
Candidate Starts for Aleemily_144:
(6, 76885), (8, 76741), (9, 76657), (Start: 11 @76654 has 2 MA's), (Start: 15 @76621 has 1 MA's),
(17, 76561), (18, 76504),

Gene: Cafasso_146 Start: 77064, Stop: 76870, Start Num: 11
Candidate Starts for Cafasso_146:
(6, 77295), (8, 77151), (9, 77067), (Start: 11 @77064 has 2 MA's), (Start: 15 @77031 has 1 MA's),
(17, 76971), (18, 76914),

Gene: Clawz_80 Start: 52077, Stop: 52247, Start Num: 15
Candidate Starts for Clawz_80:
(Start: 12 @52044 has 1 MA's), (13, 52059), (14, 52068), (Start: 15 @52077 has 1 MA's), (16, 52113),
(18, 52194),

Gene: DatBoi_151 Start: 84901, Stop: 84692, Start Num: 12
Candidate Starts for DatBoi_151:
(1, 85384), (2, 85357), (3, 85327), (4, 85258), (5, 85216), (7, 85006), (Start: 12 @84901 has 1 MA's),
(14, 84874), (18, 84748), (19, 84736),

Gene: ModicumRichard_146 Start: 77550, Stop: 77356, Start Num: 10
Candidate Starts for ModicumRichard_146:
(10, 77550), (Start: 15 @77517 has 1 MA's), (17, 77457), (18, 77400),