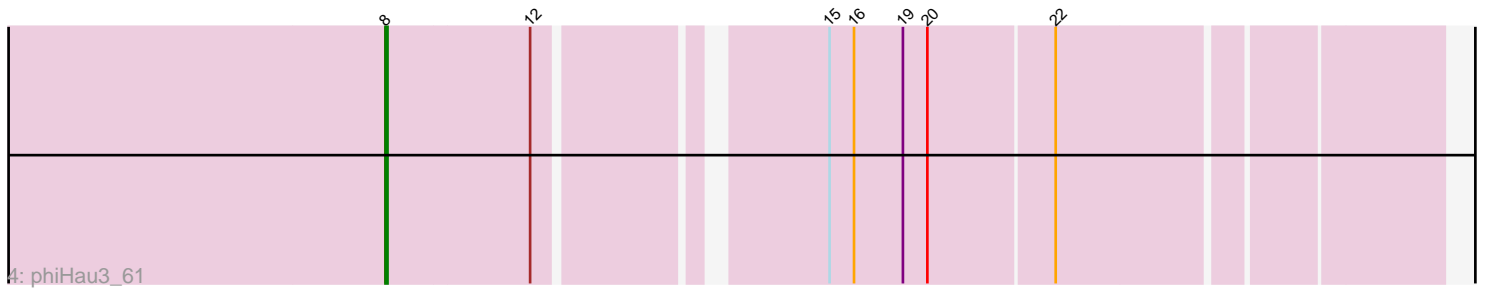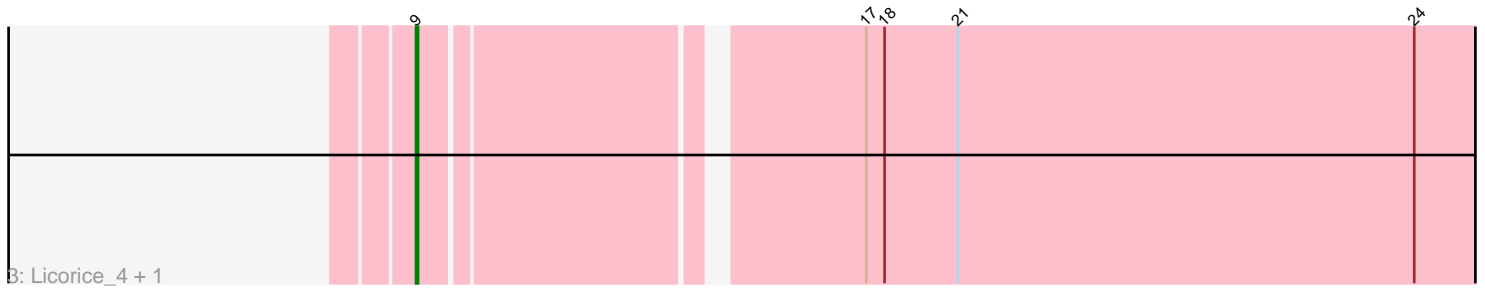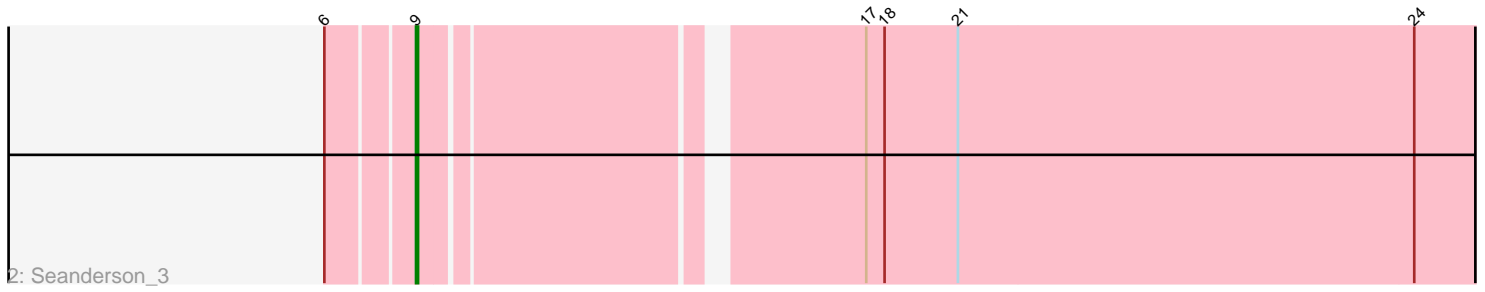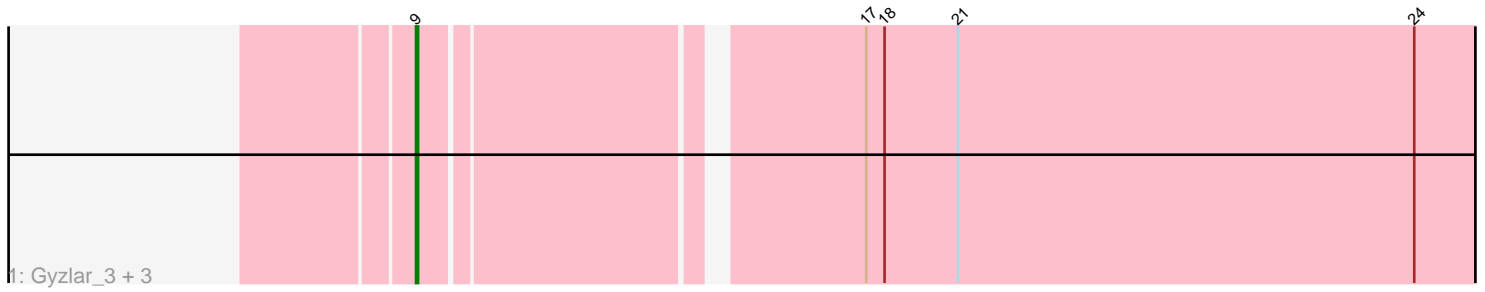# Pham 171978

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 171978 Report

This analysis was run 07/10/24 on database version 566.

Pham number 171978 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Gyzlar_3, Dexes_3, Smairt_2, Smeagol_2
• Track 2 : Seanderson_3
• Track 3 : Licorice_4, BigPaolini_3
• Track 4 : phiHau3_61
• Track 5 : Frickyeah_74

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

The start number called the most often in the published annotations is 9, it was called in 7 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BigPaolini_3, Dexes_3, Gyzlar_3, Licorice_4, Seanderson_3, Smairt_2, Smeagol_2,

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

Genes that do not have the "Most Annotated" start:
• Frickyeah_74, phiHau3_61,

Summary by start number:

Start 1:
• Found in 1 of 9 (11.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Frickyeah_74 (DN1),

Start 8:
• Found in 1 of 9 (11.1%) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: phiHau3_61 (BD4),

Start 9:
• Found in 7 of 9 (77.8%) of genes in pham
• Manual Annotations of this start: 7 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BigPaolini_3 (A1), Dexes_3 (A1), Gyzlar_3 (A1), Licorice_4 (A1), Seanderson_3 (A1), Smairt_2 (A1), Smeagol_2 (A1),

Summary by clusters:

There are 3 clusters represented in this pham: A1, BD4, DN1,

Info for manual annotations of cluster A1:
•Start number 9 was manually annotated 7 times for cluster A1.

Info for manual annotations of cluster BD4:
•Start number 8 was manually annotated 1 time for cluster BD4.

Gene Information:

Gene: BigPaolini_3 Start: 1128, Stop: 1637, Start Num: 9
Candidate Starts for BigPaolini_3:
(Start: 9 @1128 has 7 MA's), (17, 1323), (18, 1332), (21, 1368), (24, 1590),

Gene: Dexes_3 Start: 1113, Stop: 1622, Start Num: 9
Candidate Starts for Dexes_3:
(Start: 9 @1113 has 7 MA's), (17, 1308), (18, 1317), (21, 1353), (24, 1575),

Gene: Frickyeah_74 Start: 42300, Stop: 42941, Start Num: 1
Candidate Starts for Frickyeah_74:
(1, 42300), (2, 42318), (3, 42330), (4, 42405), (5, 42420), (7, 42426), (10, 42477), (11, 42510), (13, 42624), (14, 42657), (16, 42678), (20, 42714), (23, 42792),

Gene: Gyzlar_3 Start: 1073, Stop: 1582, Start Num: 9
Candidate Starts for Gyzlar_3:
(Start: 9 @1073 has 7 MA's), (17, 1268), (18, 1277), (21, 1313), (24, 1535),

Gene: Licorice_4 Start: 1283, Stop: 1792, Start Num: 9
Candidate Starts for Licorice_4:
(Start: 9 @1283 has 7 MA's), (17, 1478), (18, 1487), (21, 1523), (24, 1745),

Gene: Seanderson_3 Start: 1096, Stop: 1605, Start Num: 9
Candidate Starts for Seanderson_3:
(6, 1057), (Start: 9 @1096 has 7 MA's), (17, 1291), (18, 1300), (21, 1336), (24, 1558),

Gene: Smairt_2 Start: 926, Stop: 1435, Start Num: 9
Candidate Starts for Smairt_2:
(Start: 9 @926 has 7 MA's), (17, 1121), (18, 1130), (21, 1166), (24, 1388),

Gene: Smeagol_2 Start: 927, Stop: 1436, Start Num: 9
Candidate Starts for Smeagol_2:

(Start: 9 @927 has 7 MA's), (17, 1122), (18, 1131), (21, 1167), (24, 1389),

Gene: phiHau3_61 Start: 41644, Stop: 41168, Start Num: 8
Candidate Starts for phiHau3_61:
(Start: 8 @41644 has 1 MA's), (12, 41575), (15, 41452), (16, 41440), (19, 41416), (20, 41404), (22, 41344),