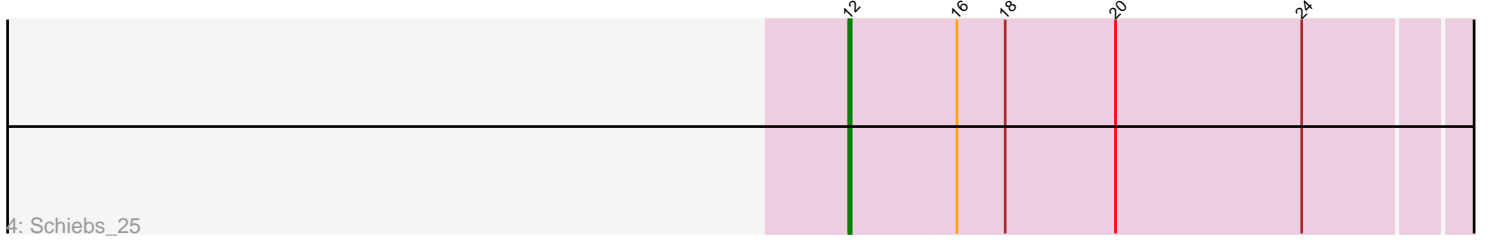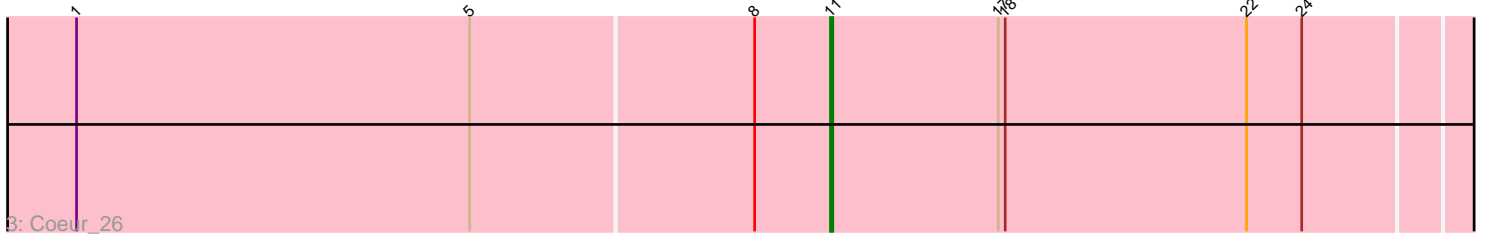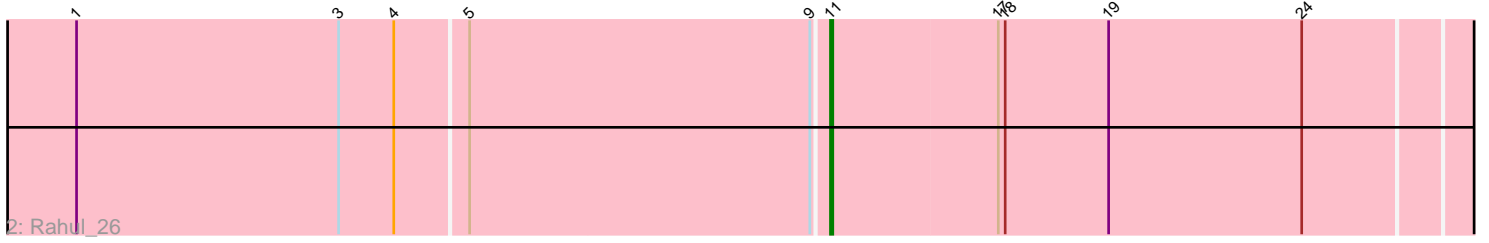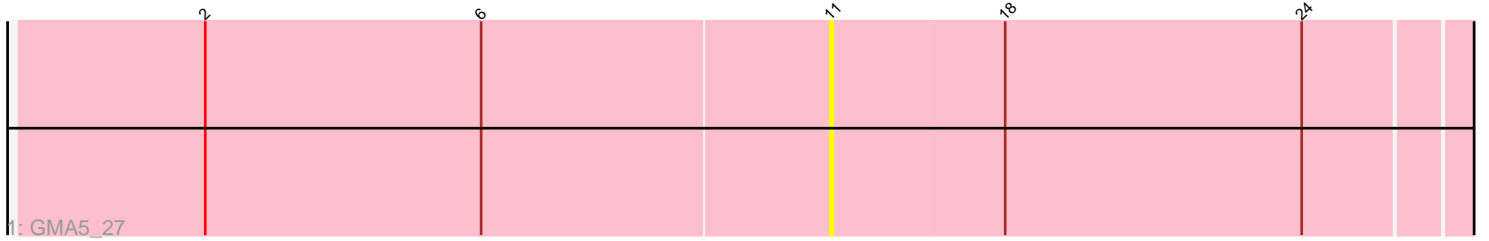Pham 203703

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 203703 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203703 has 6 members, 2 are drafts.

Phages represented in each track:
• Track 1 : GMA5_27
• Track 2 : Rahul_26
• Track 3 : Coeur_26
• Track 4 : Schiebs_25
• Track 5 : EpicDab_24
• Track 6 : RRH1_20

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:
• Coeur_26, GMA5_27, Rahul_26,

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

Genes that do not have the "Most Annotated" start:
• EpicDab_24, RRH1_20, Schiebs_25,

Summary by start number:

Start 10:
• Found in 1 of 6 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: RRH1_20 (singleton),

Start 11:
• Found in 3 of 6 (50.0%) 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: Coeur_26 (CW2), GMA5_27 (CW2), Rahul_26 (CW2),

Start 12:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Schiebs_25 (CW3),

Start 13:
• Found in 1 of 6 (16.7%) of genes in pham
• Manual Annotations of this start: 1 of 4
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EpicDab_24 (DM),

Summary by clusters:

There are 4 clusters represented in this pham: CW3, DM, CW2, singleton,

Info for manual annotations of cluster CW2:
•Start number 11 was manually annotated 2 times for cluster CW2.

Info for manual annotations of cluster CW3:
•Start number 12 was manually annotated 1 time for cluster CW3.

Info for manual annotations of cluster DM:
•Start number 13 was manually annotated 1 time for cluster DM.

Gene Information:
Gene: Coeur_26 Start: 15840, Stop: 16118, Start Num: 11
Candidate Starts for Coeur_26:
(1, 15516), (5, 15687), (8, 15807), (Start: 11 @15840 has 2 MA's), (17, 15912), (18, 15915), (22, 16020), (24, 16044),

Gene: EpicDab_24 Start: 16340, Stop: 16612, Start Num: 13
Candidate Starts for EpicDab_24:
(7, 16259), (Start: 13 @16340 has 1 MA's), (14, 16370), (15, 16373), (21, 16478), (23, 16520), (24, 16532),

Gene: GMA5_27 Start: 17062, Stop: 17340, Start Num: 11
Candidate Starts for GMA5_27:
(2, 16792), (6, 16912), (Start: 11 @17062 has 2 MA's), (18, 17137), (24, 17266),

Gene: RRH1_20 Start: 13909, Stop: 14184, Start Num: 10
Candidate Starts for RRH1_20:
(10, 13909), (18, 13987), (24, 14116), (25, 14152),

Gene: Rahul_26 Start: 15845, Stop: 16123, Start Num: 11
Candidate Starts for Rahul_26:

(1, 15524), (3, 15638), (4, 15662), (5, 15692), (9, 15839), (Start: 11 @15845 has 2 MA's), (17, 15917), (18, 15920), (19, 15965), (24, 16049),

Gene: Schiebs_25 Start: 14310, Stop: 14615, Start Num: 12
Candidate Starts for Schiebs_25:
(Start: 12 @14310 has 1 MA's), (16, 14355), (18, 14376), (20, 14424), (24, 14505),