# Pham 164225



1: Crosby_11

2: Bogota_11

3: Henoccus_11

4: Araceli_11 + 1

5: UNTPL_11
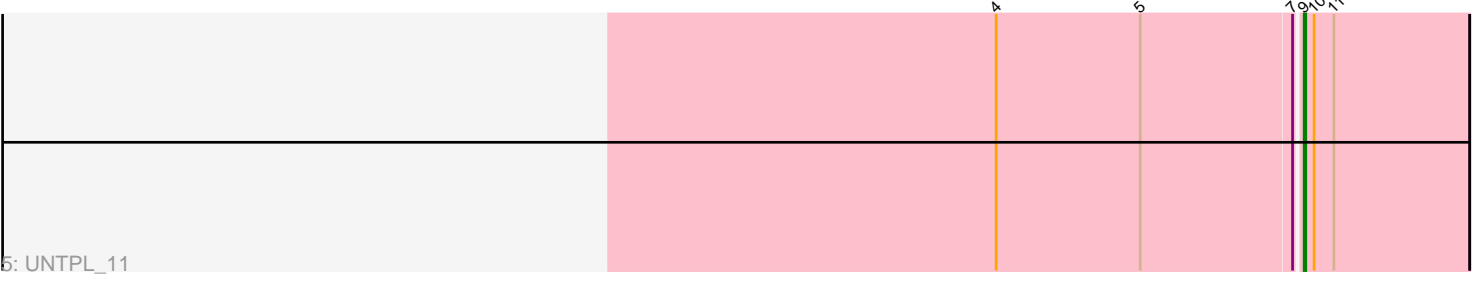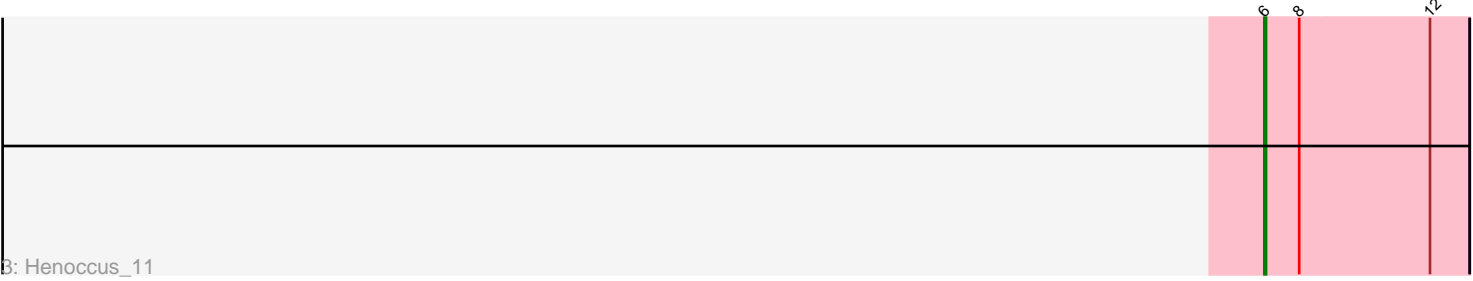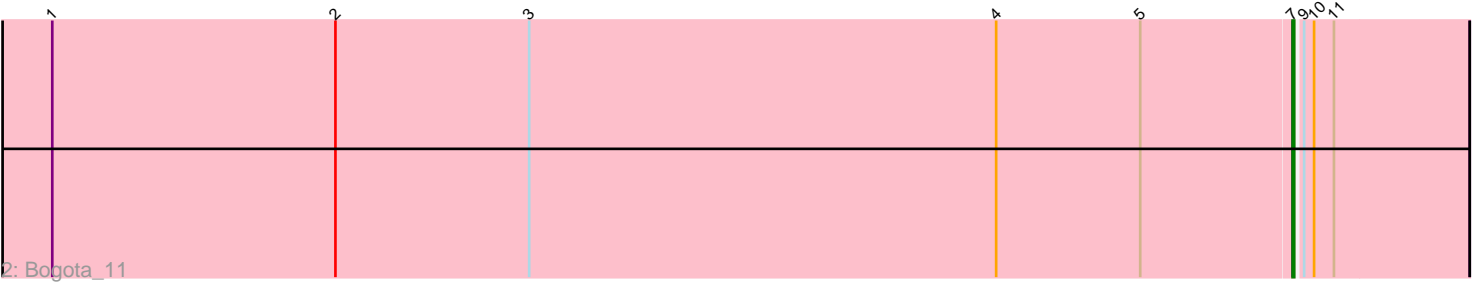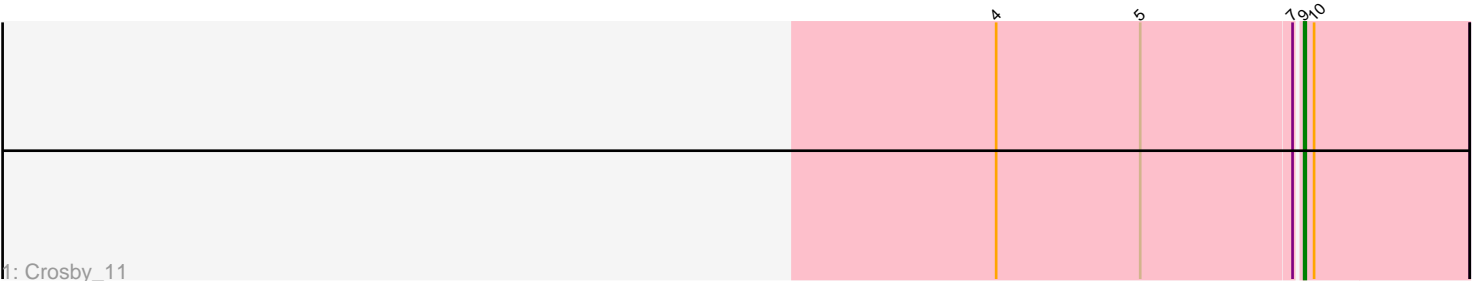
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 164225 Report

This analysis was run 05/04/24 on database version 560.

Pham number 164225 has 6 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Crosby_11
• Track 2 : Bogota_11
• Track 3 : Henoccus_11
• Track 4 : Araceli_11, JackieB_10
• Track 5 : UNTPL_11


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

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

Genes that call this "Most Annotated" start:
• Araceli_11, Henoccus_11, JackieB_10,

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

Genes that do not have the "Most Annotated" start:
• Bogota_11, Crosby_11, UNTPL_11,

**Summary by start number:**

Start 6:
• Found in 3 of 6 ( 50.0% ) of genes in pham
• Manual Annotations of this start: 3 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Araceli_11 (BH), Henoccus_11 (BH), JackieB_10 (BH),

Start 7:
• Found in 3 of 6 ( 50.0% ) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Bogota_11 (BH),

Start 9:
• Found in 3 of 6 ( 50.0% ) of genes in pham
• Manual Annotations of this start: 2 of 6
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Crosby_11 (BH), UNTPL_11 (BH),

**Summary by clusters:**

There is one cluster represented in this pham: BH

Info for manual annotations of cluster BH:
•Start number 6 was manually annotated 3 times for cluster BH.
•Start number 7 was manually annotated 1 time for cluster BH.
•Start number 9 was manually annotated 2 times for cluster BH.

*Gene Information:*
Gene: Araceli_11 Start: 8776, Stop: 8654, Start Num: 6
Candidate Starts for Araceli_11:
(Start: 6 @8776 has 3 MA's), (12, 8677),

Gene: Bogota_11 Start: 8850, Stop: 8749, Start Num: 7
Candidate Starts for Bogota_11:
(1, 9597), (2, 9426), (3, 9309), (4, 9027), (5, 8940), (Start: 7 @8850 has 1 MA's), (Start: 9 @8847 has 2 MA's), (10, 8841), (11, 8829),

Gene: Crosby_11 Start: 8869, Stop: 8771, Start Num: 9
Candidate Starts for Crosby_11:
(4, 9049), (5, 8962), (Start: 7 @8872 has 1 MA's), (Start: 9 @8869 has 2 MA's), (10, 8863),

Gene: Henoccus_11 Start: 8797, Stop: 8675, Start Num: 6
Candidate Starts for Henoccus_11:
(Start: 6 @8797 has 3 MA's), (8, 8776), (12, 8698),

Gene: JackieB_10 Start: 8652, Stop: 8530, Start Num: 6
Candidate Starts for JackieB_10:
(Start: 6 @8652 has 3 MA's), (12, 8553),

Gene: UNTPL_11 Start: 8850, Stop: 8752, Start Num: 9
Candidate Starts for UNTPL_11:
(4, 9030), (5, 8943), (Start: 7 @8853 has 1 MA's), (Start: 9 @8850 has 2 MA's), (10, 8844), (11, 8832),