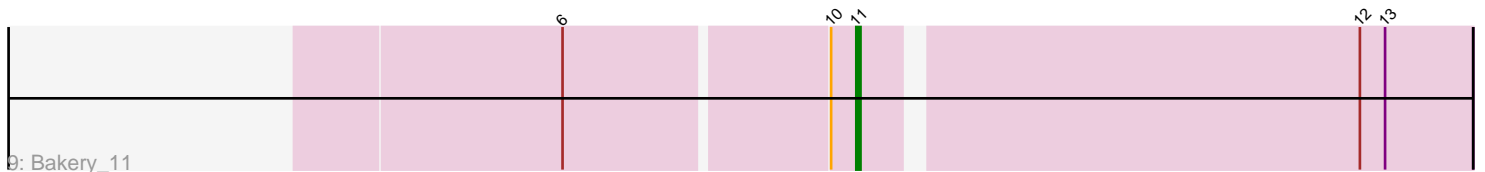
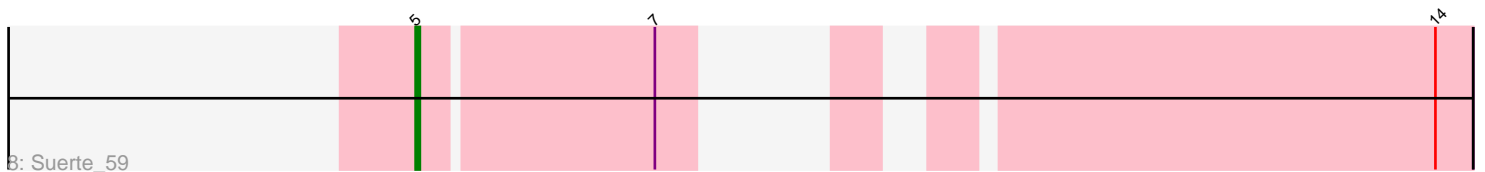
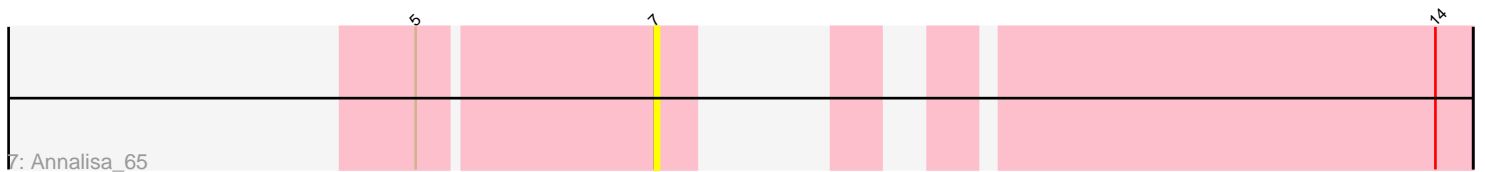
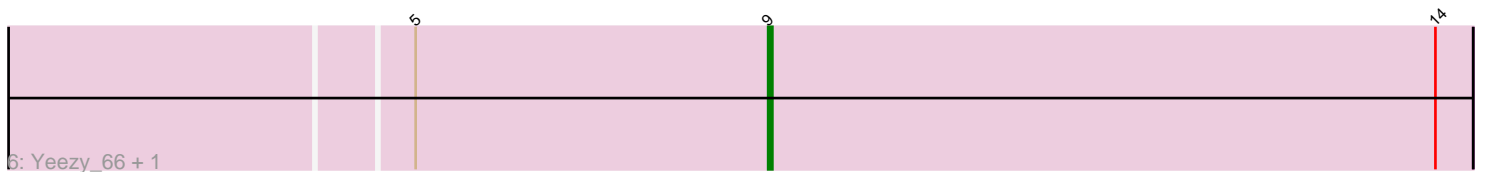
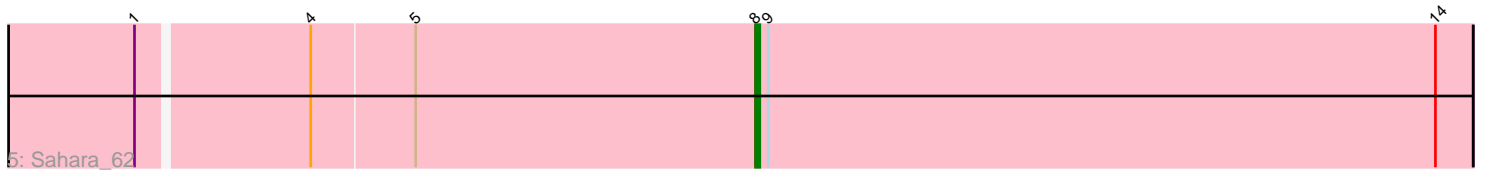
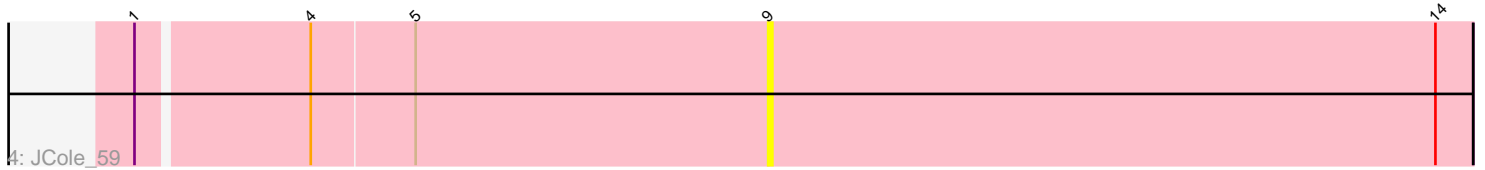
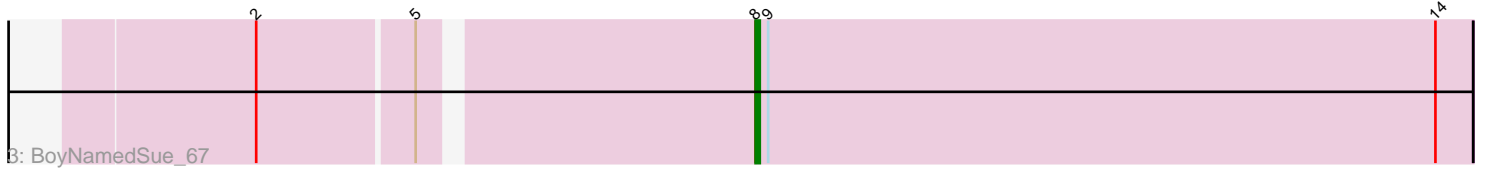
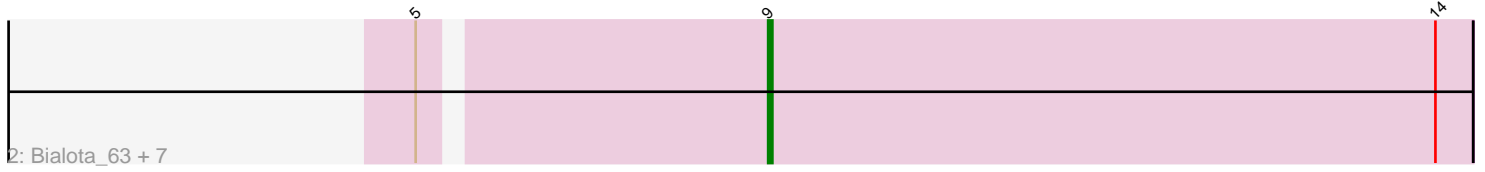
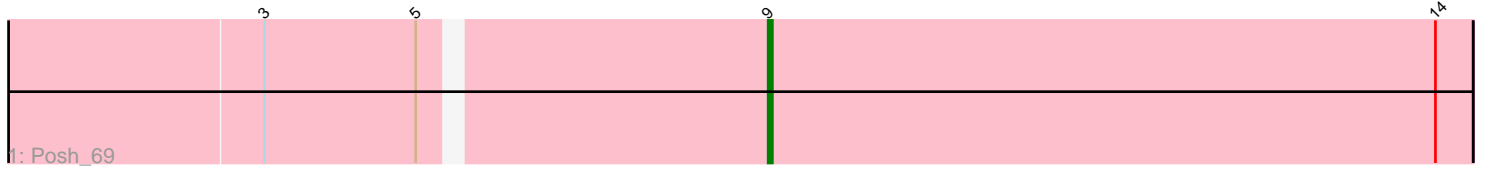


Pham 190158



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 190158 Report

This analysis was run 11/02/24 on database version 579.

Pham number 190158 has 17 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Posh_69
- Track 2 : Bialota_63, GemG_63, Whiteclaw_63, Savage_63, Sproutie_63, Zirinka_63, Hugley_67, Ebert_67
- Track 3 : BoyNamedSue_67
- Track 4 : JCole_59
- Track 5 : Sahara_62
- Track 6 : Yeezy_66, Eudoria_65
- Track 7 : Annalisa_65
- Track 8 : Suerte_59
- Track 9 : Bakery_11

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 10 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Bialota_63, Ebert_67, Eudoria_65, GemG_63, Hugley_67, JCole_59, Posh_69, Savage_63, Sproutie_63, Whiteclaw_63, Yeezy_66, Zirinka_63,

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

- BoyNamedSue_67, Sahara_62,

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

- Annalisa_65, Bakery_11, Suerte_59,

Summary by start number:

Start 5:

- Found in 16 of 17 (94.1%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 6.2% of time when present
- Phage (with cluster) where this start called: Suerte_59 (CZ4),

Start 7:

- Found in 2 of 17 (11.8%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Annalisa_65 (CZ4),

Start 8:

- Found in 2 of 17 (11.8%) of genes in pham
- Manual Annotations of this start: 2 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BoyNamedSue_67 (CZ1), Sahara_62 (CZ2),

Start 9:

- Found in 14 of 17 (82.4%) of genes in pham
- Manual Annotations of this start: 10 of 14
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Bialota_63 (CZ1), Ebert_67 (CZ2), Eudoria_65 (CZ1), GemG_63 (CZ2), Hugley_67 (CZ1), JCole_59 (CZ2), Posh_69 (CY), Savage_63 (CZ2), Sproutie_63 (CZ2), Whiteclaw_63 (CZ2), Yeezy_66 (CZ3), Zirinka_63 (CZ1),

Start 11:

- Found in 1 of 17 (5.9%) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bakery_11 (DC1),

Summary by clusters:

There are 6 clusters represented in this pham: CZ2, CZ3, CZ1, CZ4, CY, DC1,

Info for manual annotations of cluster CY:

- Start number 9 was manually annotated 1 time for cluster CY.

Info for manual annotations of cluster CZ1:

- Start number 8 was manually annotated 1 time for cluster CZ1.
- Start number 9 was manually annotated 3 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 8 was manually annotated 1 time for cluster CZ2.
- Start number 9 was manually annotated 5 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 9 was manually annotated 1 time for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 5 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster DC1:

- Start number 11 was manually annotated 1 time for cluster DC1.

Gene Information:

Gene: Annalisa_65 Start: 42156, Stop: 42302, Start Num: 7

Candidate Starts for Annalisa_65:

(Start: 5 @42102 has 1 MA's), (7, 42156), (14, 42294),

Gene: Bakery_11 Start: 4737, Stop: 4877, Start Num: 11

Candidate Starts for Bakery_11:

(6, 4671), (10, 4731), (Start: 11 @4737 has 1 MA's), (12, 4851), (13, 4857),

Gene: Bialota_63 Start: 45097, Stop: 45264, Start Num: 9

Candidate Starts for Bialota_63:

(Start: 5 @45019 has 1 MA's), (Start: 9 @45097 has 10 MA's), (14, 45256),

Gene: BoyNamedSue_67 Start: 46862, Stop: 47032, Start Num: 8

Candidate Starts for BoyNamedSue_67:

(2, 46751), (Start: 5 @46787 has 1 MA's), (Start: 8 @46862 has 2 MA's), (Start: 9 @46865 has 10 MA's), (14, 47024),

Gene: Ebert_67 Start: 41404, Stop: 41571, Start Num: 9

Candidate Starts for Ebert_67:

(Start: 5 @41326 has 1 MA's), (Start: 9 @41404 has 10 MA's), (14, 41563),

Gene: Eudoria_65 Start: 44093, Stop: 44260, Start Num: 9

Candidate Starts for Eudoria_65:

(Start: 5 @44009 has 1 MA's), (Start: 9 @44093 has 10 MA's), (14, 44252),

Gene: GemG_63 Start: 40976, Stop: 41143, Start Num: 9

Candidate Starts for GemG_63:

(Start: 5 @40898 has 1 MA's), (Start: 9 @40976 has 10 MA's), (14, 41135),

Gene: Hugley_67 Start: 47787, Stop: 47954, Start Num: 9

Candidate Starts for Hugley_67:

(Start: 5 @47709 has 1 MA's), (Start: 9 @47787 has 10 MA's), (14, 47946),

Gene: JCole_59 Start: 38911, Stop: 39078, Start Num: 9

Candidate Starts for JCole_59:

(1, 38764), (4, 38803), (Start: 5 @38827 has 1 MA's), (Start: 9 @38911 has 10 MA's), (14, 39070),

Gene: Posh_69 Start: 47283, Stop: 47450, Start Num: 9

Candidate Starts for Posh_69:

(3, 47169), (Start: 5 @47205 has 1 MA's), (Start: 9 @47283 has 10 MA's), (14, 47442),

Gene: Sahara_62 Start: 40374, Stop: 40544, Start Num: 8

Candidate Starts for Sahara_62:

(1, 40230), (4, 40269), (Start: 5 @40293 has 1 MA's), (Start: 8 @40374 has 2 MA's), (Start: 9 @40377 has 10 MA's), (14, 40536),

Gene: Savage_63 Start: 40972, Stop: 41139, Start Num: 9

Candidate Starts for Savage_63:

(Start: 5 @40894 has 1 MA's), (Start: 9 @40972 has 10 MA's), (14, 41131),

Gene: Sproutie_63 Start: 40972, Stop: 41139, Start Num: 9

Candidate Starts for Sproutie_63:

(Start: 5 @40894 has 1 MA's), (Start: 9 @40972 has 10 MA's), (14, 41131),

Gene: Suerte_59 Start: 41651, Stop: 41851, Start Num: 5

Candidate Starts for Suerte_59:

(Start: 5 @41651 has 1 MA's), (7, 41705), (14, 41843),

Gene: Whiteclaw_63 Start: 40972, Stop: 41139, Start Num: 9

Candidate Starts for Whiteclaw_63:

(Start: 5 @40894 has 1 MA's), (Start: 9 @40972 has 10 MA's), (14, 41131),

Gene: Yeezy_66 Start: 43272, Stop: 43439, Start Num: 9

Candidate Starts for Yeezy_66:

(Start: 5 @43188 has 1 MA's), (Start: 9 @43272 has 10 MA's), (14, 43431),

Gene: Zirinka_63 Start: 45085, Stop: 45252, Start Num: 9

Candidate Starts for Zirinka_63:

(Start: 5 @45007 has 1 MA's), (Start: 9 @45085 has 10 MA's), (14, 45244),