# Pham 107544



1: Blueeyedbeauty_147

2: Beuffert_144

3: Annadreamy_188

4: Limpid_145
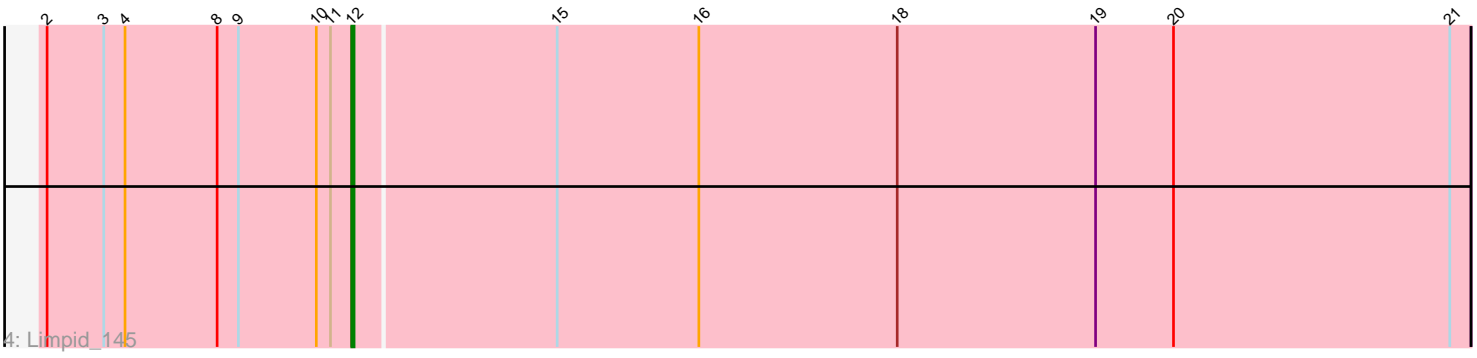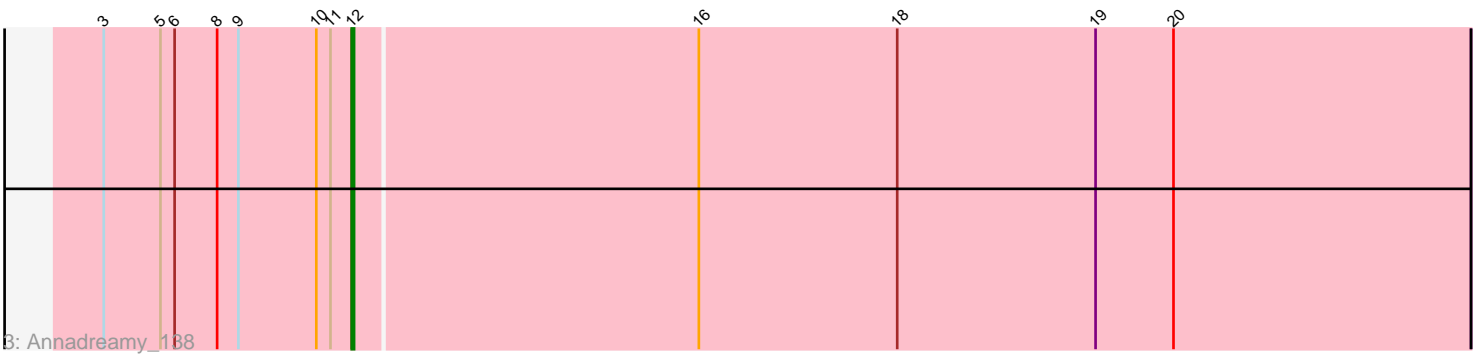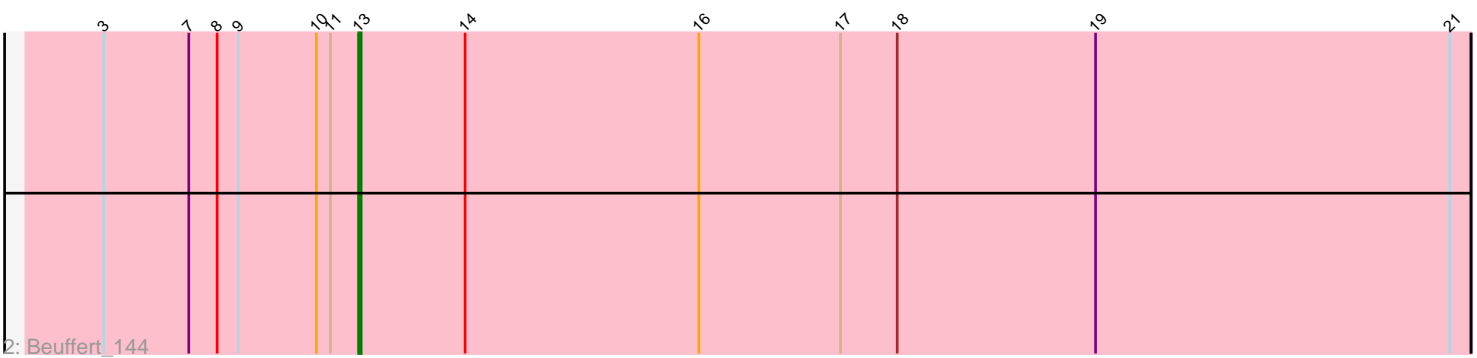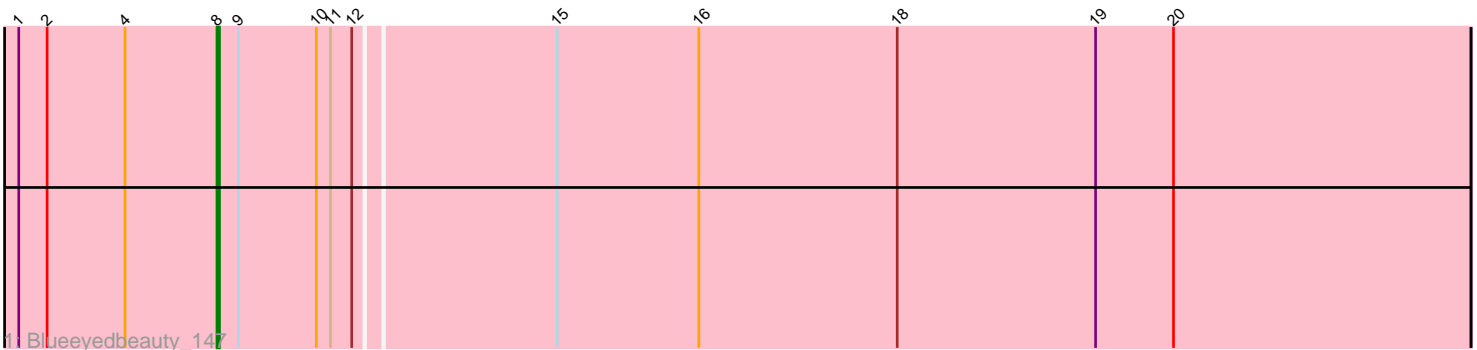
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 107544 Report

This analysis was run 04/05/24 on database version 557.

Pham number 107544 has 4 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Blueeyedbeauty_147
• Track 2 : Beuffert_144
• Track 3 : Annadreamy_138
• Track 4 : Limpid_145


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


The start number called the most often in the published annotations is 12, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Annadreamy_138, Limpid_145,

Genes that have the "Most Annotated" start but do not call it:
• Blueeyedbeauty_147,

Genes that do not have the "Most Annotated" start:
• Beuffert_144,

**Summary by start number:**

Start 8:
• Found in 4 of 4 ( 100.0% ) 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: Blueeyedbeauty_147 (BK1),

Start 12:
• Found in 3 of 4 ( 75.0% ) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Annadreamy_138 (BK1), Limpid_145 (BK1),

Start 13:
• Found in 1 of 4 ( 25.0% ) 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: Beuffert_144 (BK1),

**Summary by clusters:**

There is one cluster represented in this pham: BK1

Info for manual annotations of cluster BK1:
•Start number 8 was manually annotated 1 time for cluster BK1.
•Start number 12 was manually annotated 2 times for cluster BK1.
•Start number 13 was manually annotated 1 time for cluster BK1.

*Gene Information:*

Gene: Annadreamy_138 Start: 78712, Stop: 79182, Start Num: 12
Candidate Starts for Annadreamy_138:
(3, 78607), (5, 78631), (6, 78637), (Start: 8 @78655 has 1 MA's), (9, 78664), (10, 78697), (11, 78703), (Start: 12 @78712 has 2 MA's), (16, 78856), (18, 78940), (19, 79024), (20, 79057),

Gene: Beuffert_144 Start: 83266, Stop: 83736, Start Num: 13
Candidate Starts for Beuffert_144:
(3, 83158), (7, 83194), (Start: 8 @83206 has 1 MA's), (9, 83215), (10, 83248), (11, 83254), (Start: 13 @83266 has 1 MA's), (14, 83311), (16, 83410), (17, 83470), (18, 83494), (19, 83578), (21, 83728),

Gene: Blueeyedbeauty_147 Start: 83086, Stop: 83610, Start Num: 8
Candidate Starts for Blueeyedbeauty_147:
(1, 83002), (2, 83014), (4, 83047), (Start: 8 @83086 has 1 MA's), (9, 83095), (10, 83128), (11, 83134), (Start: 12 @83143 has 2 MA's), (15, 83224), (16, 83284), (18, 83368), (19, 83452), (20, 83485),

Gene: Limpid_145 Start: 84013, Stop: 84483, Start Num: 12
Candidate Starts for Limpid_145:
(2, 83884), (3, 83908), (4, 83917), (Start: 8 @83956 has 1 MA's), (9, 83965), (10, 83998), (11, 84004), (Start: 12 @84013 has 2 MA's), (15, 84097), (16, 84157), (18, 84241), (19, 84325), (20, 84358), (21, 84475),