Pham 5722

1: Shotgun_13

2: Cranjis_14 + 9

3: Jollipop_14

4: Pulchra_15

5: Matzah_20
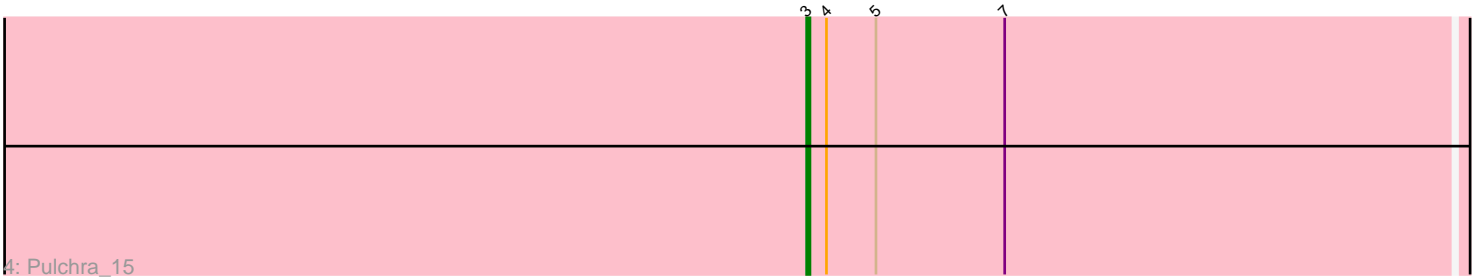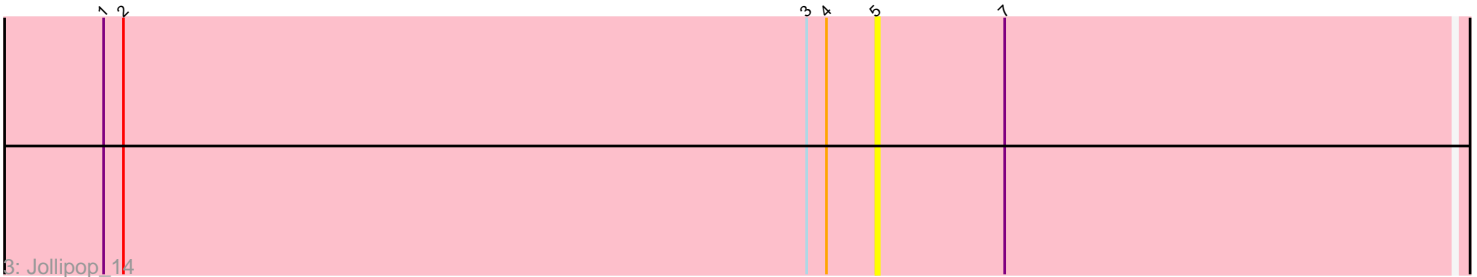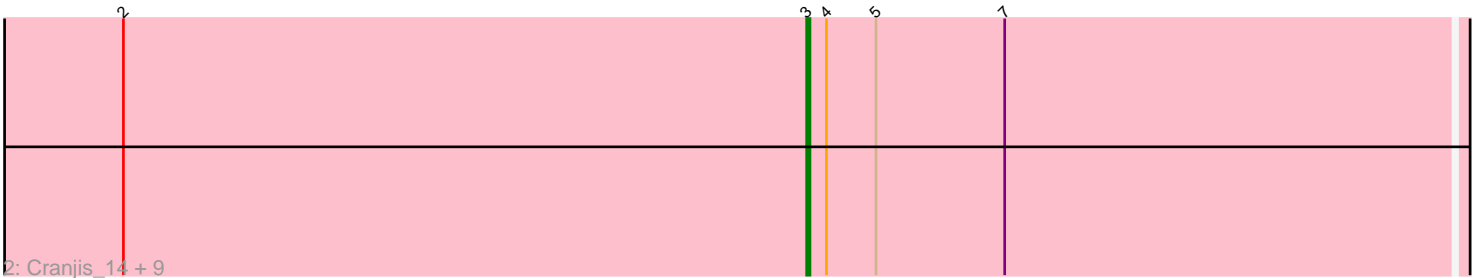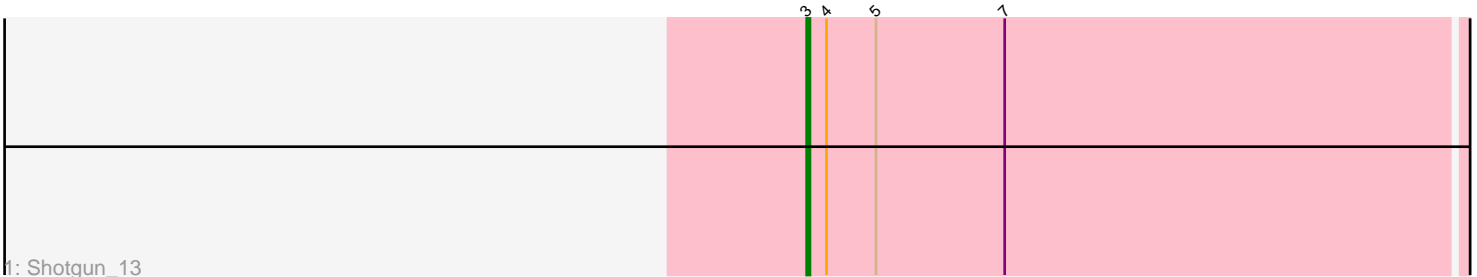
Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 5722 Report

This analysis was run 04/28/24 on database version 559.

Pham number 5722 has 14 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Shotgun_13
• Track 2 : Cranjis_14, Jefe_14, Yeti_14, Hermeonysus_13, Piperis_14, Phorgeous_13, Selwyn23_15, Honeyfin_15, Scumberland_15, LittleFortune_14
• Track 3 : Jollipop_14
• Track 4 : Pulchra_15
• Track 5 : Matzah_20

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

The start number called the most often in the published annotations is 3, it was called in 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Cranjis_14, Hermeonysus_13, Honeyfin_15, Jefe_14, LittleFortune_14, Matzah_20, Phorgeous_13, Piperis_14, Pulchra_15, Scumberland_15, Selwyn23_15, Shotgun_13, Yeti_14,

Genes that have the "Most Annotated" start but do not call it:
• Jollipop_14,

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

Summary by start number:

Start 3:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 12
• Called 92.9% of time when present
• Phage (with cluster) where this start called: Cranjis_14 (EC), Hermeonysus_13 (EC), Honeyfin_15 (EC), Jefe_14 (EC), LittleFortune_14 (EC), Matzah_20 (EI), Phorgeous_13 (EC), Piperis_14 (EC), Pulchra_15 (EC), Scumberland_15 (EC), Selwyn23_15 (EC), Shotgun_13 (EC), Yeti_14 (EC),

Start 5:
• Found in 14 of 14 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 7.1% of time when present
• Phage (with cluster) where this start called: Jollipop_14 (EC),

Summary by clusters:

There are 2 clusters represented in this pham: EI, EC,

Info for manual annotations of cluster EC:
•Start number 3 was manually annotated 11 times for cluster EC.

Info for manual annotations of cluster EI:
•Start number 3 was manually annotated 1 time for cluster EI.

Gene Information:

Gene: Cranjis_14 Start: 6128, Stop: 6358, Start Num: 3
Candidate Starts for Cranjis_14:
(2, 5921), (Start: 3 @6128 has 12 MA's), (4, 6134), (5, 6149), (7, 6188),

Gene: Hermeonysus_13 Start: 5964, Stop: 6194, Start Num: 3
Candidate Starts for Hermeonysus_13:
(2, 5757), (Start: 3 @5964 has 12 MA's), (4, 5970), (5, 5985), (7, 6024),

Gene: Honeyfin_15 Start: 6337, Stop: 6567, Start Num: 3
Candidate Starts for Honeyfin_15:
(2, 6130), (Start: 3 @6337 has 12 MA's), (4, 6343), (5, 6358), (7, 6397),

Gene: Jefe_14 Start: 6176, Stop: 6406, Start Num: 3
Candidate Starts for Jefe_14:
(2, 5969), (Start: 3 @6176 has 12 MA's), (4, 6182), (5, 6197), (7, 6236),

Gene: Jollipop_14 Start: 6416, Stop: 6625, Start Num: 5
Candidate Starts for Jollipop_14:
(1, 6182), (2, 6188), (Start: 3 @6395 has 12 MA's), (4, 6401), (5, 6416), (7, 6455),

Gene: LittleFortune_14 Start: 6263, Stop: 6493, Start Num: 3
Candidate Starts for LittleFortune_14:
(2, 6056), (Start: 3 @6263 has 12 MA's), (4, 6269), (5, 6284), (7, 6323),

Gene: Matzah_20 Start: 11051, Stop: 11287, Start Num: 3
Candidate Starts for Matzah_20:
(Start: 3 @11051 has 12 MA's), (5, 11072), (6, 11093), (8, 11117), (9, 11174), (10, 11222),

Gene: Phorgeous_13 Start: 5973, Stop: 6203, Start Num: 3
Candidate Starts for Phorgeous_13:
(2, 5766), (Start: 3 @5973 has 12 MA's), (4, 5979), (5, 5994), (7, 6033),

Gene: Piperis_14 Start: 6128, Stop: 6358, Start Num: 3

Candidate Starts for Piperis_14:
(2, 5921), (Start: 3 @6128 has 12 MA's), (4, 6134), (5, 6149), (7, 6188),

Gene: Pulchra_15 Start: 6358, Stop: 6588, Start Num: 3
Candidate Starts for Pulchra_15:
(Start: 3 @6358 has 12 MA's), (4, 6364), (5, 6379), (7, 6418),

Gene: Scumberland_15 Start: 6346, Stop: 6576, Start Num: 3
Candidate Starts for Scumberland_15:
(2, 6139), (Start: 3 @6346 has 12 MA's), (4, 6352), (5, 6367), (7, 6406),

Gene: Selwyn23_15 Start: 6358, Stop: 6588, Start Num: 3
Candidate Starts for Selwyn23_15:
(2, 6151), (Start: 3 @6358 has 12 MA's), (4, 6364), (5, 6379), (7, 6418),

Gene: Shotgun_13 Start: 5964, Stop: 6194, Start Num: 3
Candidate Starts for Shotgun_13:
(Start: 3 @5964 has 12 MA's), (4, 5970), (5, 5985), (7, 6024),

Gene: Yeti_14 Start: 6128, Stop: 6358, Start Num: 3
Candidate Starts for Yeti_14:
(2, 5921), (Start: 3 @6128 has 12 MA's), (4, 6134), (5, 6149), (7, 6188),