Pham 153650

1: Miek_8 + 3
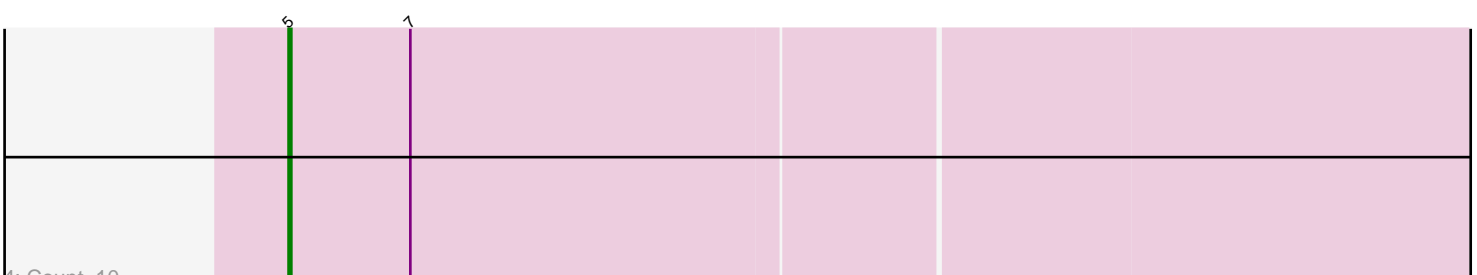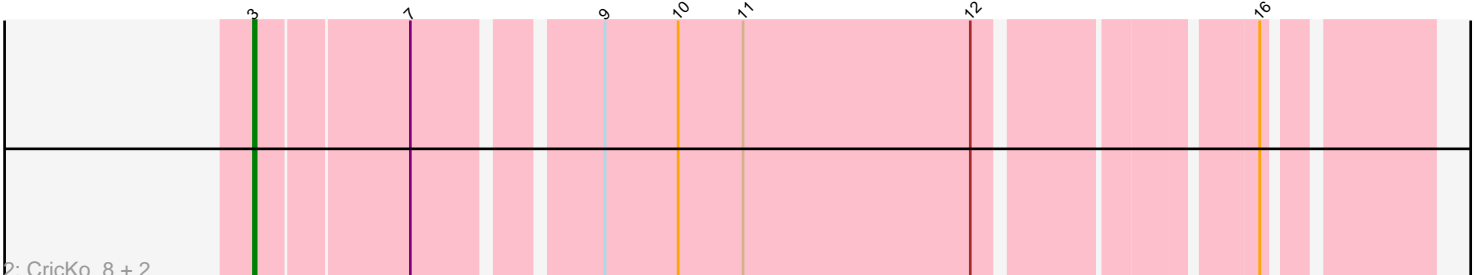
2: CricKo_8 + 2

3: Damascus_11 + 1

4: Count_10

5: Elver_21 + 2

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 153650 Report

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

Pham number 153650 has 13 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Miek_8, FromIndy_8, SendItCS_8, Regigigas_8
• Track 2 : CricKo_8, Thiqqums_8, Rainydai_8
• Track 3 : Damascus_11, DizzyRudy_11
• Track 4 : Count_10
• Track 5 : Elver_21, Paella_22, Qui_22

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

Genes that call this "Most Annotated" start:
• CricKo_8, FromIndy_8, Miek_8, Rainydai_8, Regigigas_8, SendItCS_8, Thiqqums_8,

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

Genes that do not have the "Most Annotated" start:
• Count_10, Damascus_11, DizzyRudy_11, Elver_21, Paella_22, Qui_22,

Summary by start number:

Start 2:
• Found in 2 of 13 (15.4%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Damascus_11 (EL), DizzyRudy_11 (EL),

Start 3:
• Found in 7 of 13 (53.8%) of genes in pham
• Manual Annotations of this start: 5 of 10
• Called 100.0% of time when present

• Phage (with cluster) where this start called: CricKo_8 (BI4), FromIndy_8 (BI4), Miek_8 (BI4), Rainydai_8 (BI4), Regigigas_8 (BI4), SendItCS_8 (BI4), Thiqqums_8 (BI4),

Start 4:
• Found in 3 of 13 (23.1%) of genes in pham
• Manual Annotations of this start: 2 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Elver_21 (FK), Paella_22 (FK), Qui_22 (FK),

Start 5:
• Found in 1 of 13 (7.7%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Count_10 (EL),

Summary by clusters:

There are 3 clusters represented in this pham: EL, BI4, FK,

Info for manual annotations of cluster BI4:
•Start number 3 was manually annotated 5 times for cluster BI4.

Info for manual annotations of cluster EL:
•Start number 2 was manually annotated 2 times for cluster EL.
•Start number 5 was manually annotated 1 time for cluster EL.

Info for manual annotations of cluster FK:
•Start number 4 was manually annotated 2 times for cluster FK.

Gene Information:
Gene: Count_10 Start: 3979, Stop: 4407, Start Num: 5
Candidate Starts for Count_10:
(Start: 5 @3979 has 1 MA's), (7, 4024),

Gene: CricKo_8 Start: 5150, Stop: 5542, Start Num: 3
Candidate Starts for CricKo_8:
(Start: 3 @5150 has 5 MA's), (7, 5204), (9, 5264), (10, 5291), (11, 5315), (12, 5399), (16, 5489),

Gene: Damascus_11 Start: 5598, Stop: 6050, Start Num: 2
Candidate Starts for Damascus_11:
(1, 5562), (Start: 2 @5598 has 2 MA's), (7, 5679), (8, 5691), (14, 5901), (17, 6006),

Gene: DizzyRudy_11 Start: 5596, Stop: 6048, Start Num: 2
Candidate Starts for DizzyRudy_11:
(1, 5560), (Start: 2 @5596 has 2 MA's), (7, 5677), (8, 5689), (14, 5899), (17, 6004),

Gene: Elver_21 Start: 12542, Stop: 12943, Start Num: 4
Candidate Starts for Elver_21:

(Start: 4 @12542 has 2 MA's), (6, 12581), (7, 12590), (13, 12785), (15, 12842), (18, 12908), (19, 12911),

Gene: FromIndy_8 Start: 5150, Stop: 5542, Start Num: 3
Candidate Starts for FromIndy_8:
(Start: 3 @5150 has 5 MA's), (7, 5204),

Gene: Miek_8 Start: 5150, Stop: 5542, Start Num: 3
Candidate Starts for Miek_8:
(Start: 3 @5150 has 5 MA's), (7, 5204),

Gene: Paella_22 Start: 12544, Stop: 12945, Start Num: 4
Candidate Starts for Paella_22:
(Start: 4 @12544 has 2 MA's), (6, 12583), (7, 12592), (13, 12787), (15, 12844), (18, 12910), (19, 12913),

Gene: Qui_22 Start: 12544, Stop: 12945, Start Num: 4
Candidate Starts for Qui_22:
(Start: 4 @12544 has 2 MA's), (6, 12583), (7, 12592), (13, 12787), (15, 12844), (18, 12910), (19, 12913),

Gene: Rainydai_8 Start: 5150, Stop: 5542, Start Num: 3
Candidate Starts for Rainydai_8:
(Start: 3 @5150 has 5 MA's), (7, 5204), (9, 5264), (10, 5291), (11, 5315), (12, 5399), (16, 5489),

Gene: Regigigas_8 Start: 5150, Stop: 5542, Start Num: 3
Candidate Starts for Regigigas_8:
(Start: 3 @5150 has 5 MA's), (7, 5204),

Gene: SendItCS_8 Start: 5150, Stop: 5542, Start Num: 3
Candidate Starts for SendItCS_8:
(Start: 3 @5150 has 5 MA's), (7, 5204),

Gene: Thiqqums_8 Start: 5150, Stop: 5542, Start Num: 3
Candidate Starts for Thiqqums_8:
(Start: 3 @5150 has 5 MA's), (7, 5204), (9, 5264), (10, 5291), (11, 5315), (12, 5399), (16, 5489),