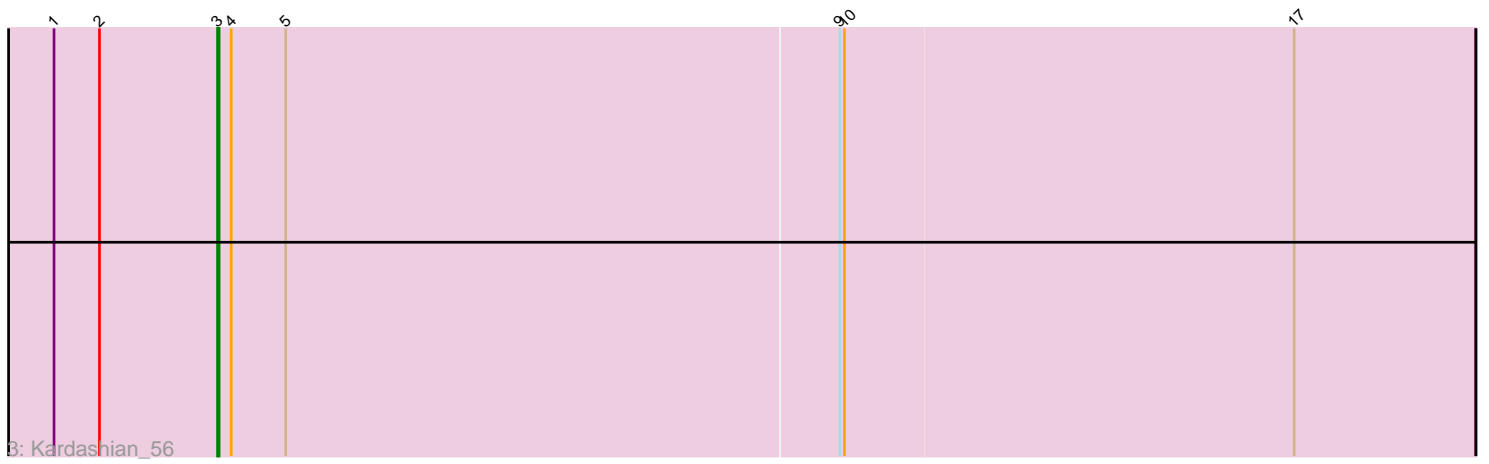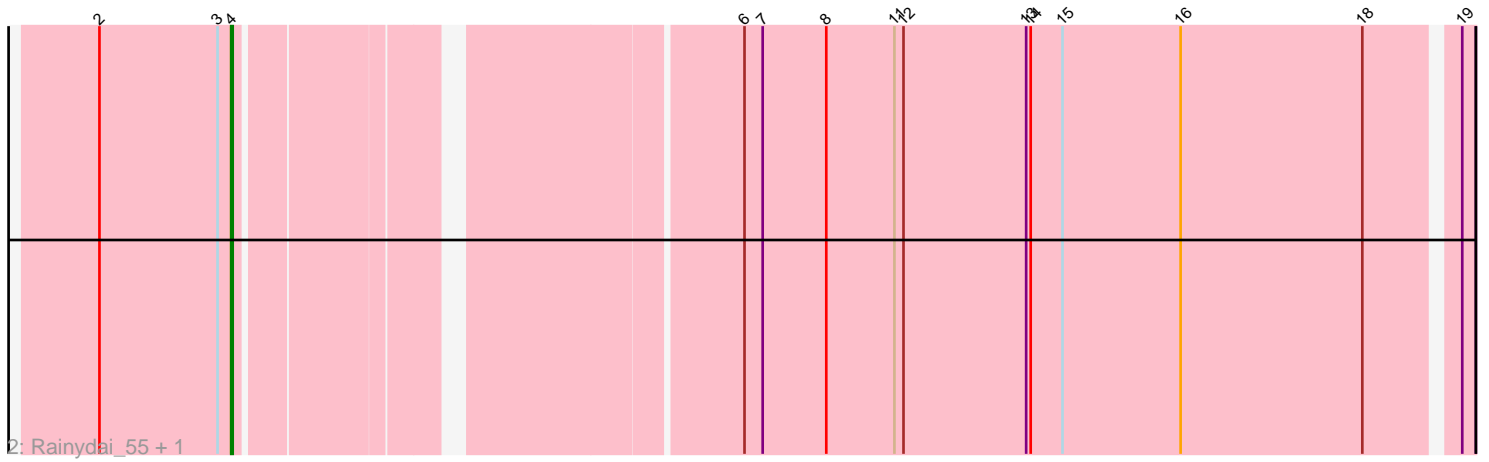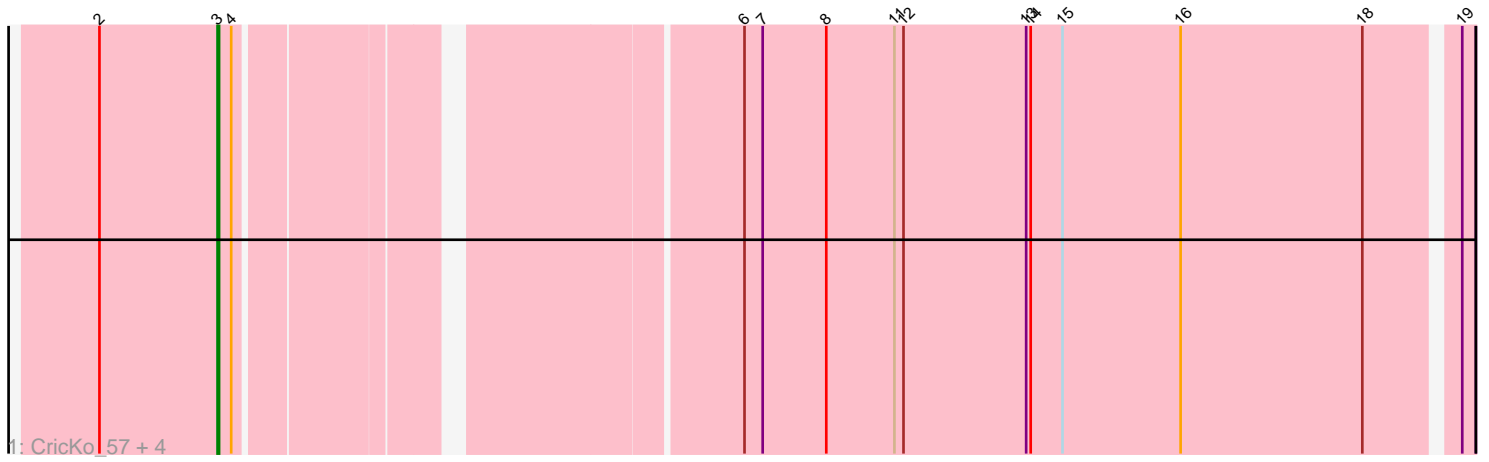# Pham 126111

1: CricKo_57 + 4

2: Rainydai_55 + 1

3: Kardashian_56

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 126111 Report

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

Pham number 126111 has 8 members, 2 are drafts.

Phages represented in each track:
• Track 1 : CricKo_57, Thiqqums_57, Regigigas_58, SendItCS_53, Miek_54
• Track 2 : Rainydai_55, FromIndy_57
• Track 3 : Kardashian_56

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 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• CricKo_57, Kardashian_56, Miek_54, Regigigas_58, SendItCS_53, Thiqqums_57,

Genes that have the "Most Annotated" start but do not call it:
• FromIndy_57, Rainydai_55,

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

Summary by start number:

Start 3:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 6
• Called 75.0% of time when present
• Phage (with cluster) where this start called: CricKo_57 (BI4), Kardashian_56 (BI6), Miek_54 (BI4), Regigigas_58 (BI4), SendItCS_53 (BI4), Thiqqums_57 (BI4),

Start 4:
• Found in 8 of 8 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 6
• Called 25.0% of time when present
• Phage (with cluster) where this start called: FromIndy_57 (BI4), Rainydai_55 (BI4),

Summary by clusters:

There are 2 clusters represented in this pham: BI6, BI4,

Info for manual annotations of cluster BI4:
•Start number 3 was manually annotated 4 times for cluster BI4.
•Start number 4 was manually annotated 1 time for cluster BI4.

Info for manual annotations of cluster BI6:
•Start number 3 was manually annotated 1 time for cluster BI6.

Gene Information:

Gene: CricKo_57 Start: 35630, Stop: 36406, Start Num: 3
Candidate Starts for CricKo_57:
(2, 35552), (Start: 3 @35630 has 5 MA's), (Start: 4 @35639 has 1 MA's), (6, 35936), (7, 35948), (8, 35990), (11, 36035), (12, 36041), (13, 36122), (14, 36125), (15, 36146), (16, 36224), (18, 36344), (19, 36398),

Gene: FromIndy_57 Start: 35245, Stop: 36012, Start Num: 4
Candidate Starts for FromIndy_57:
(2, 35158), (Start: 3 @35236 has 5 MA's), (Start: 4 @35245 has 1 MA's), (6, 35542), (7, 35554), (8, 35596), (11, 35641), (12, 35647), (13, 35728), (14, 35731), (15, 35752), (16, 35830), (18, 35950), (19, 36004),

Gene: Kardashian_56 Start: 37105, Stop: 37929, Start Num: 3
Candidate Starts for Kardashian_56:
(1, 36997), (2, 37027), (Start: 3 @37105 has 5 MA's), (Start: 4 @37114 has 1 MA's), (5, 37150), (9, 37513), (10, 37516), (17, 37810),

Gene: Miek_54 Start: 34955, Stop: 35731, Start Num: 3
Candidate Starts for Miek_54:
(2, 34877), (Start: 3 @34955 has 5 MA's), (Start: 4 @34964 has 1 MA's), (6, 35261), (7, 35273), (8, 35315), (11, 35360), (12, 35366), (13, 35447), (14, 35450), (15, 35471), (16, 35549), (18, 35669), (19, 35723),

Gene: Rainydai_55 Start: 35639, Stop: 36406, Start Num: 4
Candidate Starts for Rainydai_55:
(2, 35552), (Start: 3 @35630 has 5 MA's), (Start: 4 @35639 has 1 MA's), (6, 35936), (7, 35948), (8, 35990), (11, 36035), (12, 36041), (13, 36122), (14, 36125), (15, 36146), (16, 36224), (18, 36344), (19, 36398),

Gene: Regigigas_58 Start: 35631, Stop: 36407, Start Num: 3
Candidate Starts for Regigigas_58:
(2, 35553), (Start: 3 @35631 has 5 MA's), (Start: 4 @35640 has 1 MA's), (6, 35937), (7, 35949), (8, 35991), (11, 36036), (12, 36042), (13, 36123), (14, 36126), (15, 36147), (16, 36225), (18, 36345), (19, 36399),

Gene: SendItCS_53 Start: 34943, Stop: 35719, Start Num: 3
Candidate Starts for SendItCS_53:
(2, 34865), (Start: 3 @34943 has 5 MA's), (Start: 4 @34952 has 1 MA's), (6, 35249), (7, 35261), (8, 35303), (11, 35348), (12, 35354), (13, 35435), (14, 35438), (15, 35459), (16, 35537), (18, 35657), (19,

35711),

Gene: Thiqqums_57 Start: 35630, Stop: 36406, Start Num: 3
Candidate Starts for Thiqqums_57:
(2, 35552), (Start: 3 @35630 has 5 MA's), (Start: 4 @35639 has 1 MA's), (6, 35936), (7, 35948), (8, 35990), (11, 36035), (12, 36041), (13, 36122), (14, 36125), (15, 36146), (16, 36224), (18, 36344), (19, 36398),