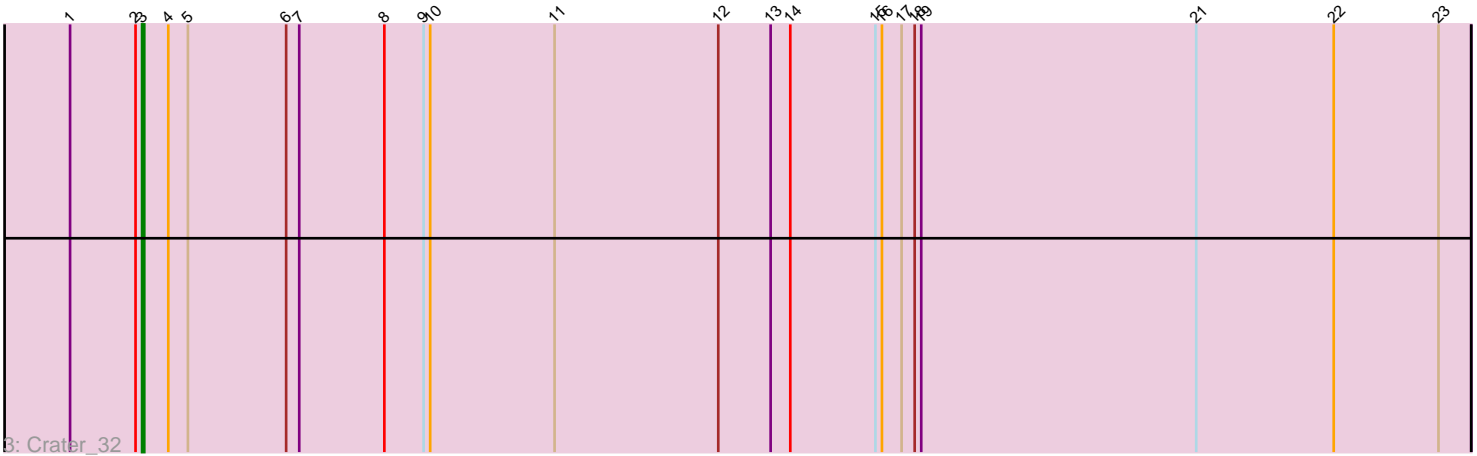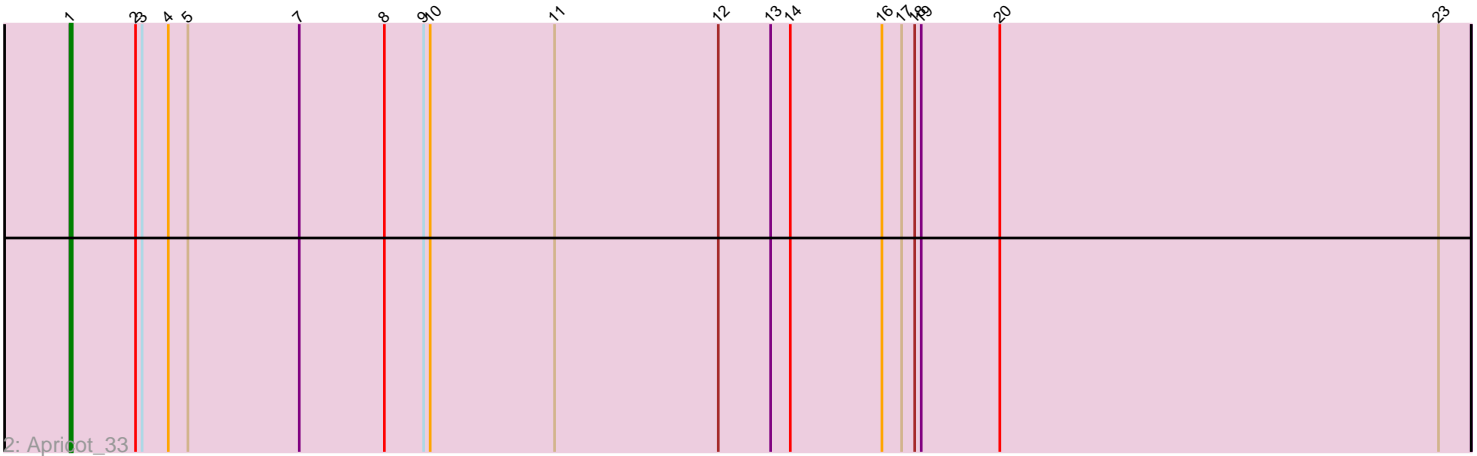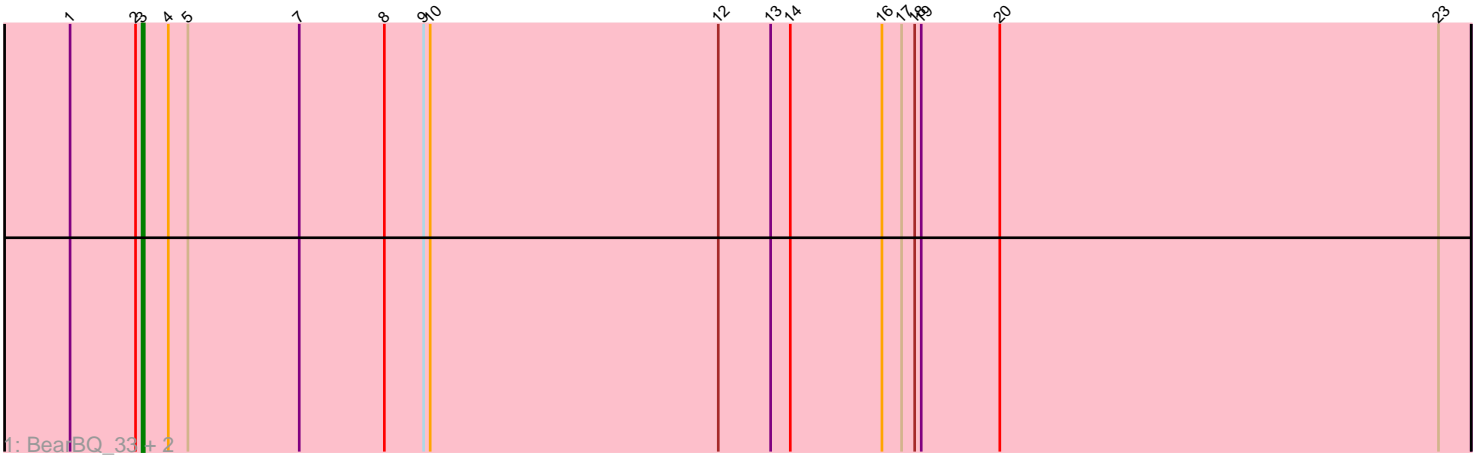# Pham 88571

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 88571 Report

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

Pham number 88571 has 5 members, 0 are drafts.

Phages represented in each track:
• Track 1 : BearBQ_33, Lutum_34, Kenna_33
• Track 2 : Apricot_33
• Track 3 : Crater_32

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

Genes that call this "Most Annotated" start:
• BearBQ_33, Crater_32, Kenna_33, Lutum_34,

Genes that have the "Most Annotated" start but do not call it:
• Apricot_33,

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

Summary by start number:

Start 1:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 5
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Apricot_33 (DN3),

Start 3:
• Found in 5 of 5 (100.0%) of genes in pham
• Manual Annotations of this start: 4 of 5
• Called 80.0% of time when present
• Phage (with cluster) where this start called: BearBQ_33 (DN), Crater_32 (DN3), Kenna_33 (DN1), Lutum_34 (DN1),

Summary by clusters:

There are 3 clusters represented in this pham: DN, DN1, DN3,

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

Info for manual annotations of cluster DN1:
•Start number 3 was manually annotated 2 times for cluster DN1.

Info for manual annotations of cluster DN3:
•Start number 1 was manually annotated 1 time for cluster DN3.
•Start number 3 was manually annotated 1 time for cluster DN3.

Gene Information:

Gene: Apricot_33 Start: 25864, Stop: 26505, Start Num: 1
Candidate Starts for Apricot_33:
(Start: 1 @25864 has 1 MA's), (2, 25894), (Start: 3 @25897 has 4 MA's), (4, 25909), (5, 25918), (7, 25969), (8, 26008), (9, 26026), (10, 26029), (11, 26086), (12, 26161), (13, 26185), (14, 26194), (16, 26236), (17, 26245), (18, 26251), (19, 26254), (20, 26290), (23, 26491),

Gene: BearBQ_33 Start: 27124, Stop: 27732, Start Num: 3
Candidate Starts for BearBQ_33:
(Start: 1 @27091 has 1 MA's), (2, 27121), (Start: 3 @27124 has 4 MA's), (4, 27136), (5, 27145), (7, 27196), (8, 27235), (9, 27253), (10, 27256), (12, 27388), (13, 27412), (14, 27421), (16, 27463), (17, 27472), (18, 27478), (19, 27481), (20, 27517), (23, 27718),

Gene: Crater_32 Start: 25872, Stop: 26480, Start Num: 3
Candidate Starts for Crater_32:
(Start: 1 @25839 has 1 MA's), (2, 25869), (Start: 3 @25872 has 4 MA's), (4, 25884), (5, 25893), (6, 25938), (7, 25944), (8, 25983), (9, 26001), (10, 26004), (11, 26061), (12, 26136), (13, 26160), (14, 26169), (15, 26208), (16, 26211), (17, 26220), (18, 26226), (19, 26229), (21, 26355), (22, 26418), (23, 26466),

Gene: Kenna_33 Start: 26501, Stop: 27109, Start Num: 3
Candidate Starts for Kenna_33:
(Start: 1 @26468 has 1 MA's), (2, 26498), (Start: 3 @26501 has 4 MA's), (4, 26513), (5, 26522), (7, 26573), (8, 26612), (9, 26630), (10, 26633), (12, 26765), (13, 26789), (14, 26798), (16, 26840), (17, 26849), (18, 26855), (19, 26858), (20, 26894), (23, 27095),

Gene: Lutum_34 Start: 26501, Stop: 27109, Start Num: 3
Candidate Starts for Lutum_34:
(Start: 1 @26468 has 1 MA's), (2, 26498), (Start: 3 @26501 has 4 MA's), (4, 26513), (5, 26522), (7, 26573), (8, 26612), (9, 26630), (10, 26633), (12, 26765), (13, 26789), (14, 26798), (16, 26840), (17, 26849), (18, 26855), (19, 26858), (20, 26894), (23, 27095),