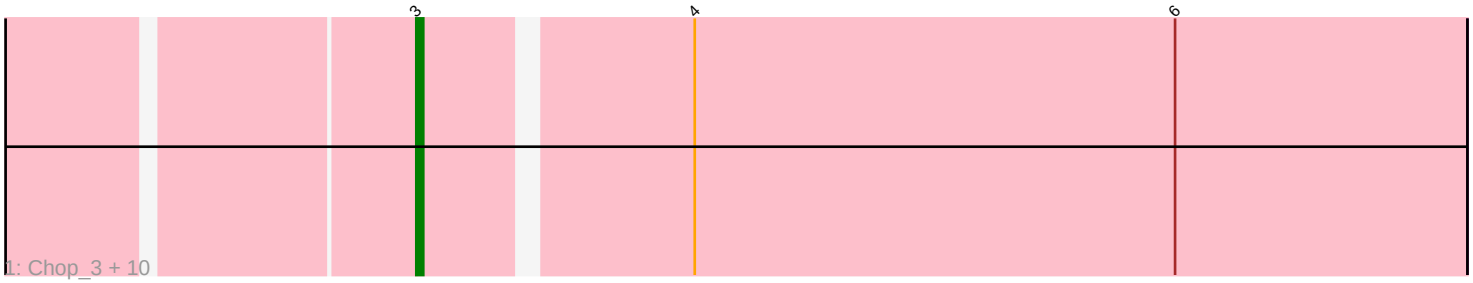
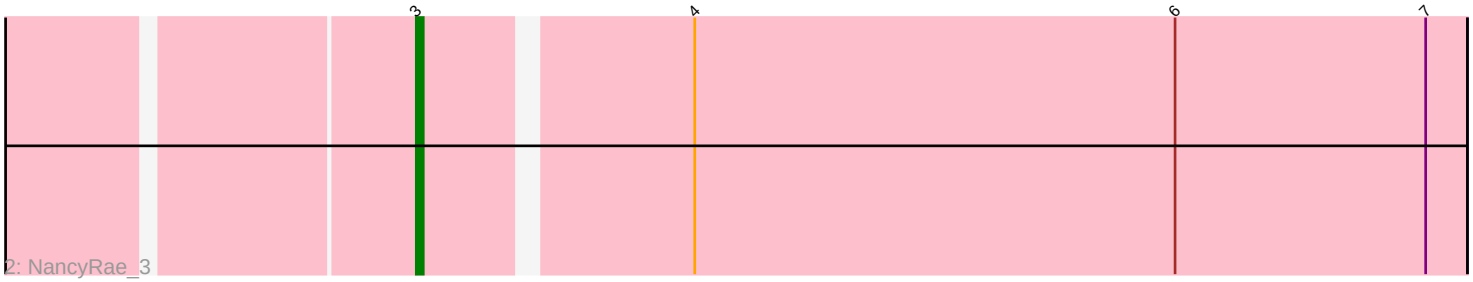
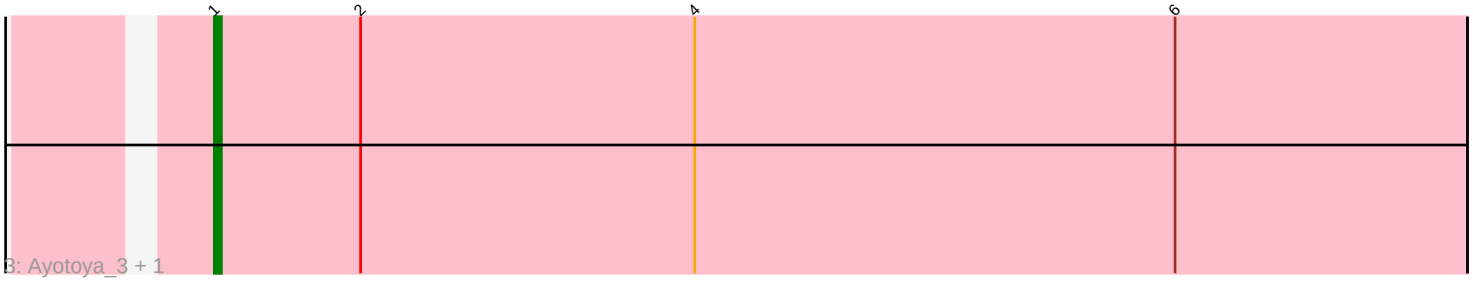
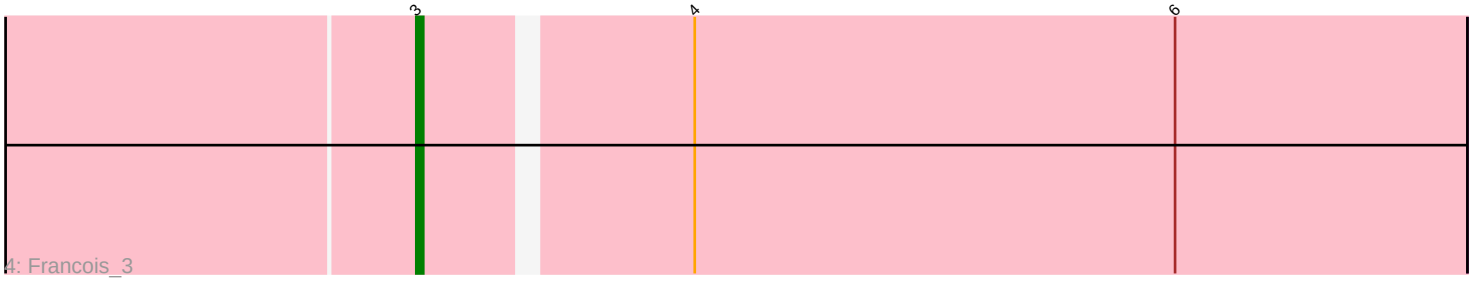
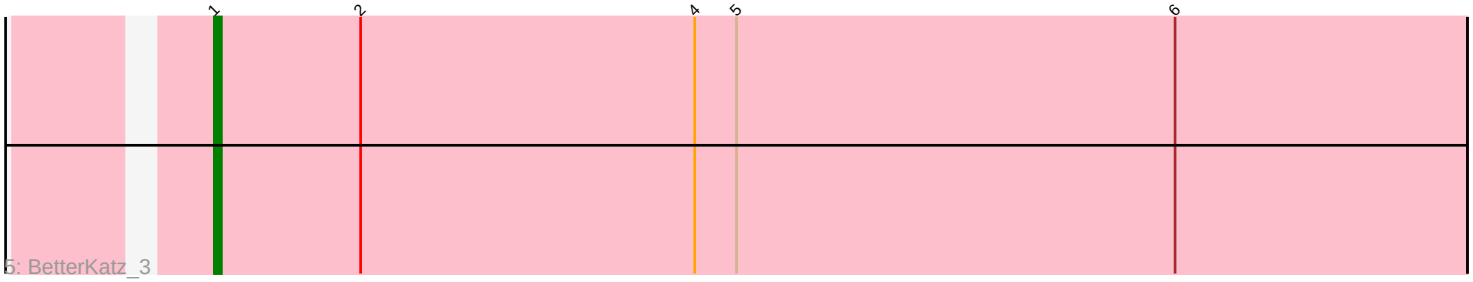
Pham 344508


3
4
6
1: Chop_3 + 10


3
4
6
7
2: NancyRae_3


1
2
4
6
3: Ayotoya_3 + 1


3
4
6
4: Francois_3


1
2
4
5
6
5: BetterKatz_3

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 344508 Report

This analysis was run 11/14/26 on database version 672.

Pham number 344508 has 16 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Chop_3, Pimento_3, Brylie_3, Nadeem_3, Hamood_3, Mulch_3, WheatThin_3, GrandSlam_3, Parada_3, Bock_3, SussRoloMann_3
• Track 2 : NancyRae_3
• Track 3 : Ayotoya_3, DelRio_3
• Track 4 : Francois_3
• Track 5 : BetterKatz_3

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 15 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Bock_3, Brylie_3, Chop_3, Francois_3, GrandSlam_3, Hamood_3, Mulch_3, Nadeem_3, NancyRae_3, Parada_3, Pimento_3, SussRoloMann_3, WheatThin_3,

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

Genes that do not have the "Most Annotated" start:
• Ayotoya_3, BetterKatz_3, DelRio_3,

Summary by start number:

Start 1:
• Found in 3 of 16 (18.8%) of genes in pham
• Manual Annotations of this start: 3 of 15
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ayotoya_3 (DI), BetterKatz_3 (DI), DelRio_3 (DI),

Start 3:
• Found in 13 of 16 (81.2%) of genes in pham
• Manual Annotations of this start: 12 of 15

• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bock_3 (DI), Brylie_3 (DI), Chop_3 (DI), Francois_3 (DI), GrandSlam_3 (DI), Hamood_3 (DI), Mulch_3 (DI), Nadeem_3 (DI), NancyRae_3 (DI), Parada_3 (DI), Pimento_3 (DI), SussRoloMann_3 (DI), WheatThin_3 (DI),

Summary by clusters:

There is one cluster represented in this pham: DI

Info for manual annotations of cluster DI:
•Start number 1 was manually annotated 3 times for cluster DI.
•Start number 3 was manually annotated 12 times for cluster DI.

Gene Information:

Gene: Ayotoya_3 Start: 1142, Stop: 1321, Start Num: 1
Candidate Starts for Ayotoya_3:
(Start: 1 @1142 has 3 MA's), (2, 1163), (4, 1211), (6, 1280),

Gene: BetterKatz_3 Start: 1143, Stop: 1322, Start Num: 1
Candidate Starts for BetterKatz_3:
(Start: 1 @1143 has 3 MA's), (2, 1164), (4, 1212), (5, 1218), (6, 1281),

Gene: Bock_3 Start: 923, Stop: 1069, Start Num: 3
Candidate Starts for Bock_3:
(Start: 3 @923 has 12 MA's), (4, 959), (6, 1028),

Gene: Brylie_3 Start: 923, Stop: 1069, Start Num: 3
Candidate Starts for Brylie_3:
(Start: 3 @923 has 12 MA's), (4, 959), (6, 1028),

Gene: Chop_3 Start: 923, Stop: 1069, Start Num: 3
Candidate Starts for Chop_3:
(Start: 3 @923 has 12 MA's), (4, 959), (6, 1028),

Gene: DelRio_3 Start: 1142, Stop: 1321, Start Num: 1
Candidate Starts for DelRio_3:
(Start: 1 @1142 has 3 MA's), (2, 1163), (4, 1211), (6, 1280),

Gene: Francois_3 Start: 925, Stop: 1071, Start Num: 3
Candidate Starts for Francois_3:
(Start: 3 @925 has 12 MA's), (4, 961), (6, 1030),

Gene: GrandSlam_3 Start: 923, Stop: 1069, Start Num: 3
Candidate Starts for GrandSlam_3:
(Start: 3 @923 has 12 MA's), (4, 959), (6, 1028),

Gene: Hamood_3 Start: 923, Stop: 1069, Start Num: 3
Candidate Starts for Hamood_3:
(Start: 3 @923 has 12 MA's), (4, 959), (6, 1028),

Gene: Mulch_3 Start: 923, Stop: 1069, Start Num: 3
Candidate Starts for Mulch_3:
(Start: 3 @923 has 12 MA's), (4, 959), (6, 1028),

Gene: Nadeem_3 Start: 923, Stop: 1069, Start Num: 3
Candidate Starts for Nadeem_3:
(Start: 3 @923 has 12 MA's), (4, 959), (6, 1028),

Gene: NancyRae_3 Start: 923, Stop: 1069, Start Num: 3
Candidate Starts for NancyRae_3:
(Start: 3 @923 has 12 MA's), (4, 959), (6, 1028), (7, 1064),

Gene: Parada_3 Start: 923, Stop: 1069, Start Num: 3
Candidate Starts for Parada_3:
(Start: 3 @923 has 12 MA's), (4, 959), (6, 1028),

Gene: Pimento_3 Start: 923, Stop: 1069, Start Num: 3
Candidate Starts for Pimento_3:
(Start: 3 @923 has 12 MA's), (4, 959), (6, 1028),

Gene: SussRoloMann_3 Start: 923, Stop: 1069, Start Num: 3
Candidate Starts for SussRoloMann_3:
(Start: 3 @923 has 12 MA's), (4, 959), (6, 1028),

Gene: WheatThin_3 Start: 923, Stop: 1069, Start Num: 3
Candidate Starts for WheatThin_3:
(Start: 3 @923 has 12 MA's), (4, 959), (6, 1028),