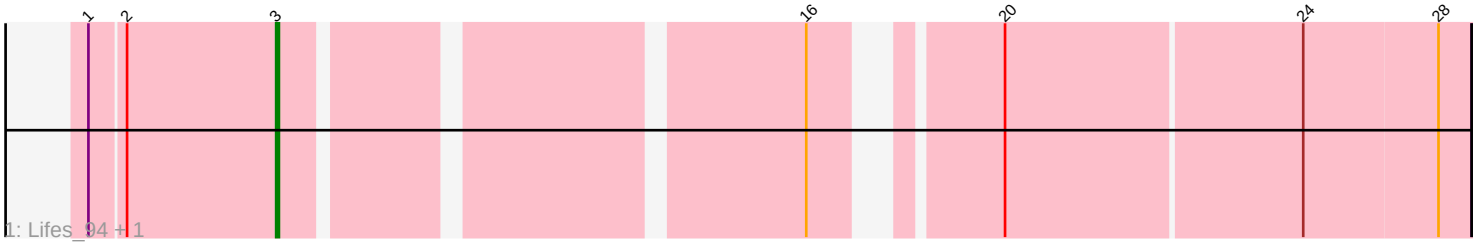
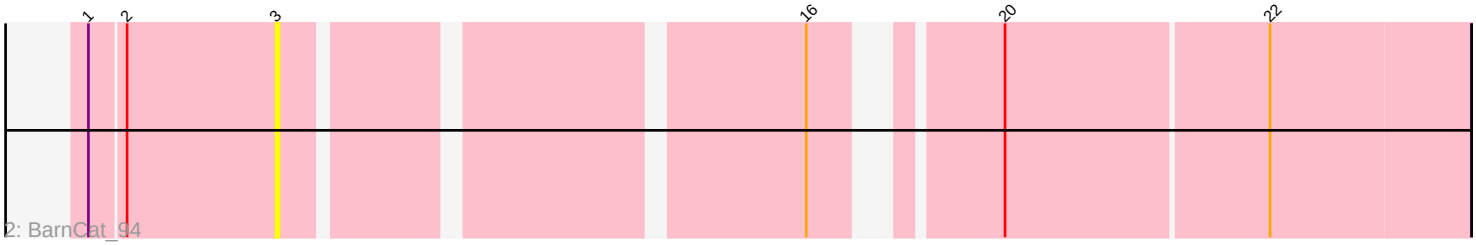
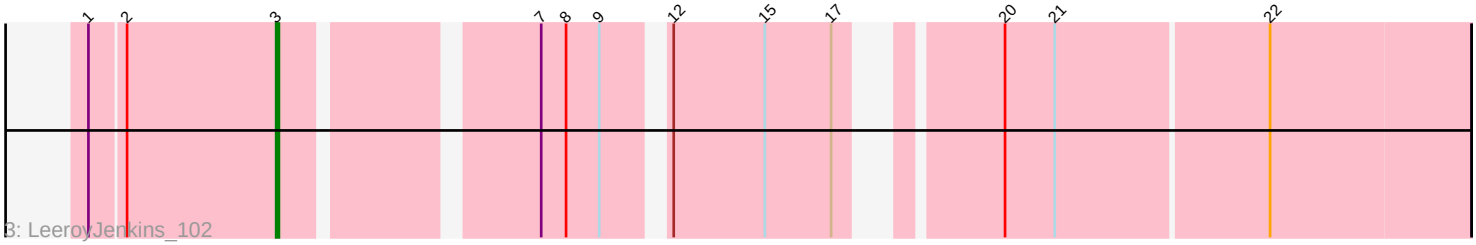
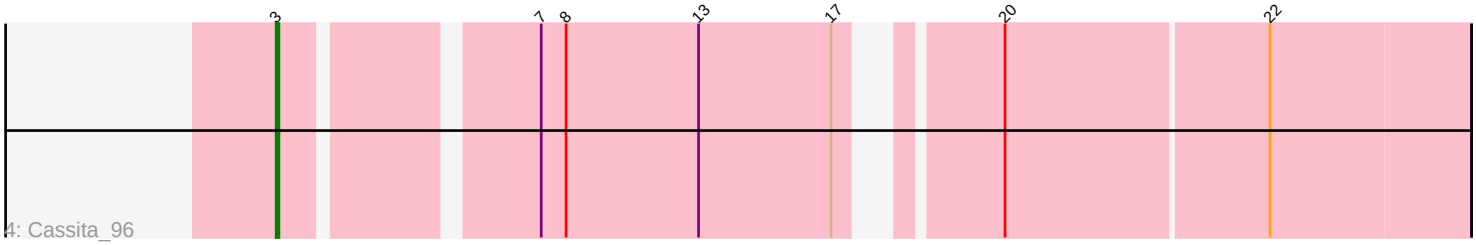
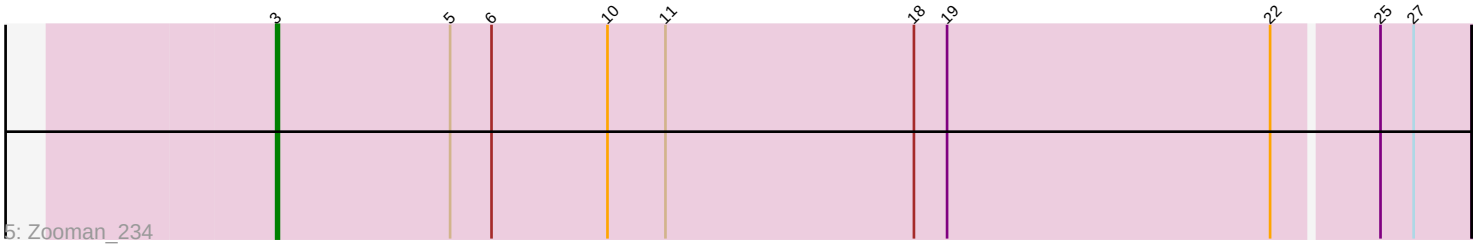
Pham 88096

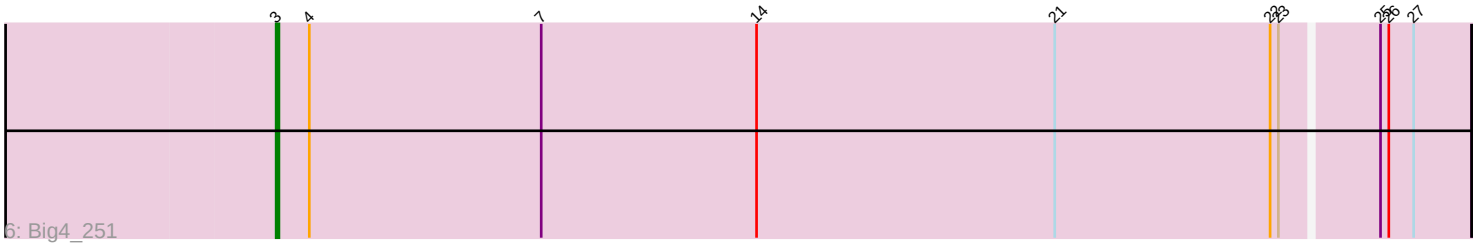

1
2
3
16
20
24
28
1: Lifes_94 + 1


1
2
3
16
20
22
2: BarnCat_94


1
2
3
7
8
9
12
15
17
20
21
22
3: LeeroyJenkins_102


3
7
8
13
17
20
22
4: Cassita_96


3
5
6
10
11
18
19
22
25
27
5: Zooman_234


3
4
7
14
21
22
23
25
26
27
6: Big4_251

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 88096 Report

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

Pham number 88096 has 7 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Lifes_94, WaterT_98
• Track 2 : BarnCat_94
• Track 3 : LeeroyJenkins_102
• Track 4 : Cassita_96
• Track 5 : Zooman_234
• Track 6 : Big4_251

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 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BarnCat_94, Big4_251, Cassita_96, LeeroyJenkins_102, Lifes_94, WaterT_98, Zooman_234,

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

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

Summary by start number:

Start 3:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 6 of 6
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BarnCat_94 (GB), Big4_251 (GD2), Cassita_96 (GB), LeeroyJenkins_102 (GB), Lifes_94 (GB), WaterT_98 (GB), Zooman_234 (GD2),

Summary by clusters:

There are 2 clusters represented in this pham: GD2, GB,

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

Info for manual annotations of cluster GD2:
•Start number 3 was manually annotated 2 times for cluster GD2.

Gene Information:

Gene: BarnCat_94 Start: 51338, Stop: 50955, Start Num: 3
Candidate Starts for BarnCat_94:
(1, 51404), (2, 51392), (Start: 3 @51338 has 6 MA's), (16, 51170), (20, 51119), (22, 51026),

Gene: Big4_251 Start: 144012, Stop: 144440, Start Num: 3
Candidate Starts for Big4_251:
(Start: 3 @144012 has 6 MA's), (4, 144024), (7, 144108), (14, 144186), (21, 144294), (22, 144372), (23, 144375), (25, 144408), (26, 144411), (27, 144420),

Gene: Cassita_96 Start: 52186, Stop: 51794, Start Num: 3
Candidate Starts for Cassita_96:
(Start: 3 @52186 has 6 MA's), (7, 52105), (8, 52096), (13, 52048), (17, 52000), (20, 51958), (22, 51865),

Gene: LeeroyJenkins_102 Start: 53214, Stop: 52831, Start Num: 3
Candidate Starts for LeeroyJenkins_102:
(1, 53280), (2, 53268), (Start: 3 @53214 has 6 MA's), (7, 53133), (8, 53124), (9, 53112), (12, 53094), (15, 53061), (17, 53037), (20, 52995), (21, 52977), (22, 52902),

Gene: Lifes_94 Start: 50208, Stop: 49825, Start Num: 3
Candidate Starts for Lifes_94:
(1, 50274), (2, 50262), (Start: 3 @50208 has 6 MA's), (16, 50040), (20, 49989), (24, 49884), (28, 49836),

Gene: WaterT_98 Start: 52153, Stop: 51770, Start Num: 3
Candidate Starts for WaterT_98:
(1, 52219), (2, 52207), (Start: 3 @52153 has 6 MA's), (16, 51985), (20, 51934), (24, 51829), (28, 51781),

Gene: Zooman_234 Start: 142710, Stop: 143138, Start Num: 3
Candidate Starts for Zooman_234:
(Start: 3 @142710 has 6 MA's), (5, 142773), (6, 142788), (10, 142830), (11, 142851), (18, 142941), (19, 142953), (22, 143070), (25, 143106), (27, 143118),