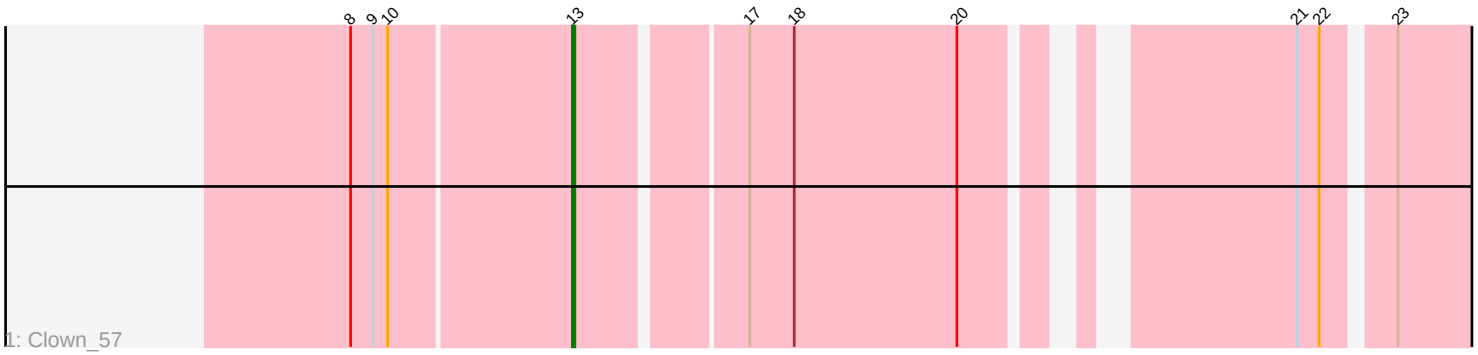
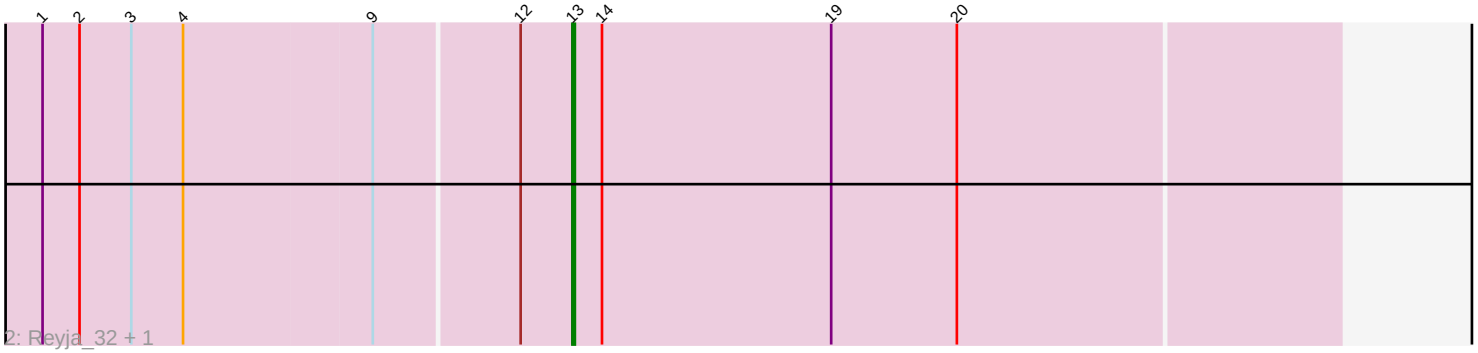
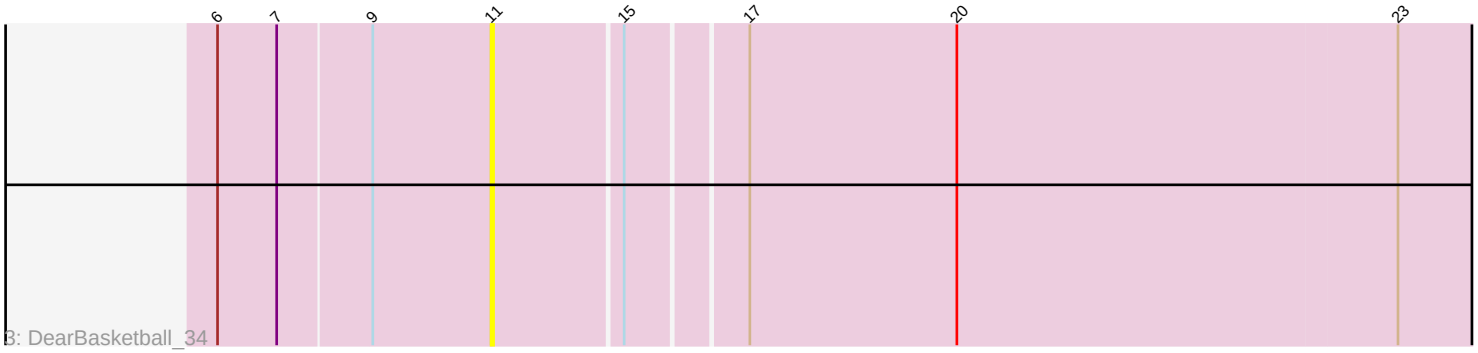
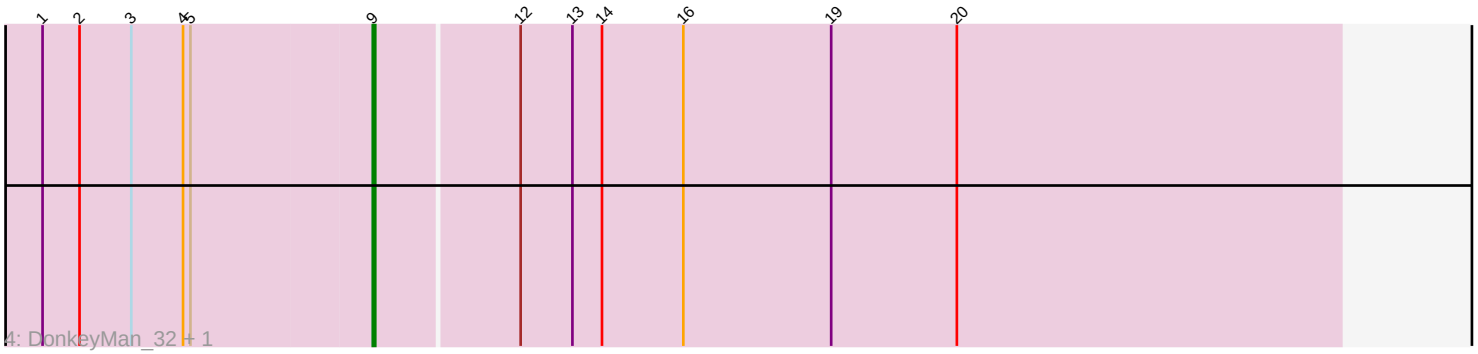
Pham 348413


8
9
10
13
17
18
20
21
22
23
1: Clown_57


1
2
3
4
9
12
13
14
19
20
2: Reyja_32 + 1


6
7
9
11
15
17
20
23
3: DearBasketball_34


1
2
3
4
5
9
12
13
14
16
19
20
4: DonkeyMan_32 + 1

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 348413 Report

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

Pham number 348413 has 6 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Clown_57
• Track 2 : Reyja_32, DinoNuggs_32
• Track 3 : DearBasketball_34
• Track 4 : DonkeyMan_32, Tarzan_32

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 9, it was called in 2 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• DonkeyMan_32, Tarzan_32,

Genes that have the "Most Annotated" start but do not call it:
• Clown_57, DearBasketball_34, DinoNuggs_32, Reyja_32,

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

Summary by start number:

Start 9:
• Found in 6 of 6 (100.0%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 33.3% of time when present
• Phage (with cluster) where this start called: DonkeyMan_32 (DY), Tarzan_32 (DY),

Start 11:
• Found in 1 of 6 (16.7%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DearBasketball_34 (DY),

Start 13:

• Found in 5 of 6 (83.3%) of genes in pham
• Manual Annotations of this start: 2 of 4
• Called 60.0% of time when present
• Phage (with cluster) where this start called: Clown_57 (DC2), DinoNuggs_32 (DY), Reyja_32 (DY),

Summary by clusters:

There are 2 clusters represented in this pham: DC2, DY,

Info for manual annotations of cluster DC2:
•Start number 13 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DY:
•Start number 9 was manually annotated 2 times for cluster DY.
•Start number 13 was manually annotated 1 time for cluster DY.

Gene Information:

Gene: Clown_57 Start: 43040, Stop: 42723, Start Num: 13
Candidate Starts for Clown_57:
(8, 43127), (Start: 9 @43118 has 2 MA's), (10, 43112), (Start: 13 @43040 has 2 MA's), (17, 42977), (18, 42959), (20, 42893), (21, 42788), (22, 42779), (23, 42755),

Gene: DearBasketball_34 Start: 26807, Stop: 26418, Start Num: 11
Candidate Starts for DearBasketball_34:
(6, 26915), (7, 26891), (Start: 9 @26855 has 2 MA's), (11, 26807), (15, 26756), (17, 26711), (20, 26627), (23, 26450),

Gene: DinoNuggs_32 Start: 26445, Stop: 26137, Start Num: 13
Candidate Starts for DinoNuggs_32:
(1, 26655), (2, 26640), (3, 26619), (4, 26598), (Start: 9 @26523 has 2 MA's), (12, 26466), (Start: 13 @26445 has 2 MA's), (14, 26433), (19, 26340), (20, 26289),

Gene: DonkeyMan_32 Start: 27574, Stop: 27185, Start Num: 9
Candidate Starts for DonkeyMan_32:
(1, 27706), (2, 27691), (3, 27670), (4, 27649), (5, 27646), (Start: 9 @27574 has 2 MA's), (12, 27517), (Start: 13 @27496 has 2 MA's), (14, 27484), (16, 27451), (19, 27391), (20, 27340),

Gene: Reyja_32 Start: 26445, Stop: 26137, Start Num: 13
Candidate Starts for Reyja_32:
(1, 26655), (2, 26640), (3, 26619), (4, 26598), (Start: 9 @26523 has 2 MA's), (12, 26466), (Start: 13 @26445 has 2 MA's), (14, 26433), (19, 26340), (20, 26289),

Gene: Tarzan_32 Start: 26056, Stop: 25667, Start Num: 9
Candidate Starts for Tarzan_32:
(1, 26188), (2, 26173), (3, 26152), (4, 26131), (5, 26128), (Start: 9 @26056 has 2 MA's), (12, 25999), (Start: 13 @25978 has 2 MA's), (14, 25966), (16, 25933), (19, 25873), (20, 25822),