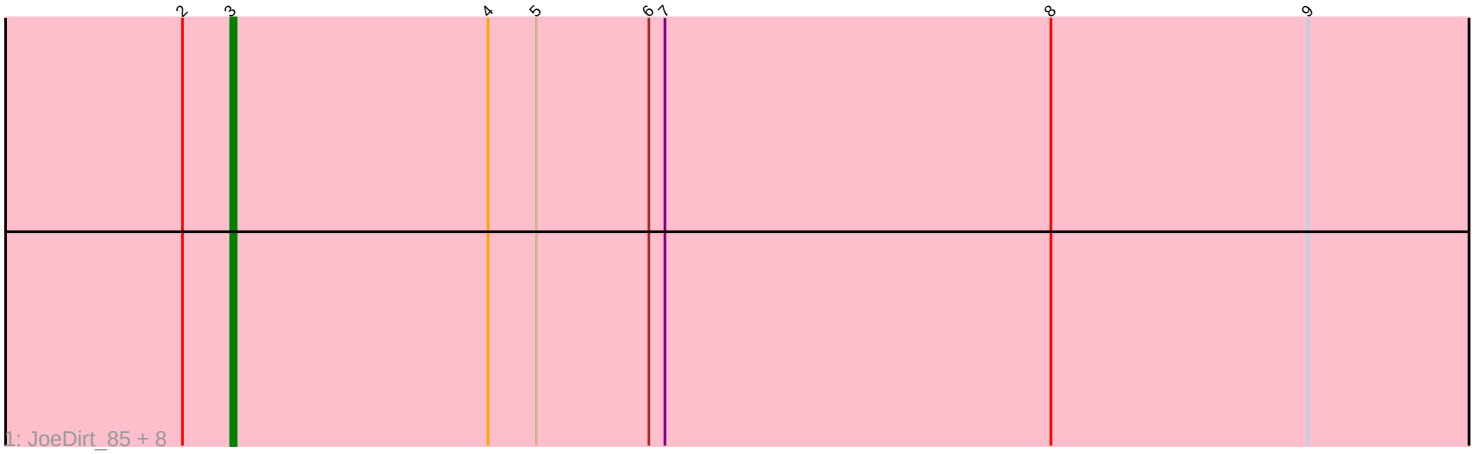
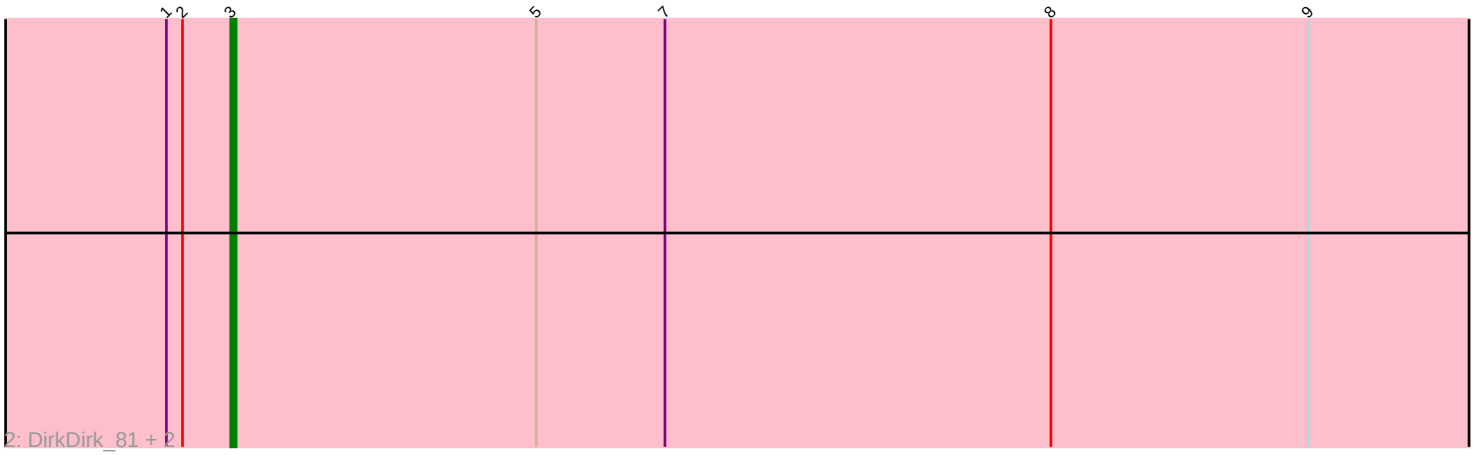
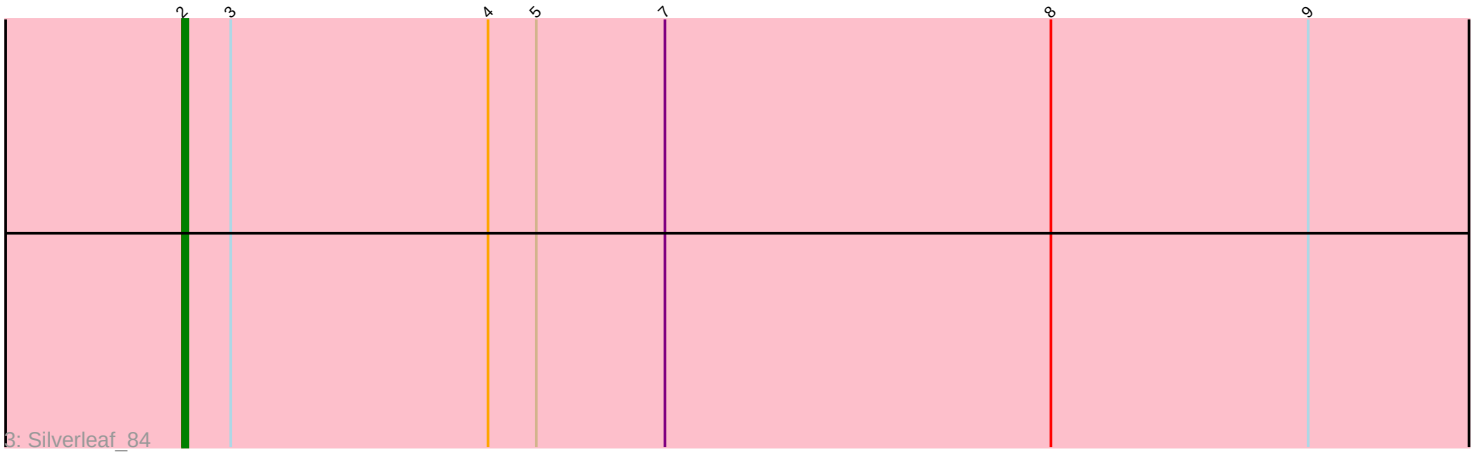
Pham 4828


2
3
4
5
6
7
8
9
1: JoeDirt_85 + 8


1
2
3
5
7
8
9
2: DirkDirk_81 + 2


2
3
4
5
7
8
9
3: Silverleaf_84

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 4828 Report

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

Pham number 4828 has 13 members, 0 are drafts.

Phages represented in each track:
• Track 1 : JoeDirt_85, Acquire49_84, AvadaKedavra_84, CicholasNage_81, Tyson_85, Wyatt2_85, LeBron_83, Rose5_85, UPIE_83
• Track 2 : DirkDirk_81, Enceladus_81, Appletree2_83
• Track 3 : Silverleaf_84

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 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Acquire49_84, Appletree2_83, AvadaKedavra_84, CicholasNage_81, DirkDirk_81, Enceladus_81, JoeDirt_85, LeBron_83, Rose5_85, Tyson_85, UPIE_83, Wyatt2_85,

Genes that have the "Most Annotated" start but do not call it:
• Silverleaf_84,

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

Summary by start number:

Start 2:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 1 of 13
• Called 7.7% of time when present
• Phage (with cluster) where this start called: Silverleaf_84 (L1),

Start 3:
• Found in 13 of 13 (100.0%) of genes in pham
• Manual Annotations of this start: 12 of 13
• Called 92.3% of time when present
• Phage (with cluster) where this start called: Acquire49_84 (L1), Appletree2_83 (L1), AvadaKedavra_84 (L1), CicholasNage_81 (L1), DirkDirk_81 (L1), Enceladus_81 (L1),

JoeDirt_85 (L1), LeBron_83 (L1), Rose5_85 (L1), Tyson_85 (L1), UPIE_83 (L1), Wyatt2_85 (L1),

Summary by clusters:

There is one cluster represented in this pham: L1

Info for manual annotations of cluster L1:
•Start number 2 was manually annotated 1 time for cluster L1.
•Start number 3 was manually annotated 12 times for cluster L1.

Gene Information:

Gene: Acquire49_84 Start: 54191, Stop: 54439, Start Num: 3
Candidate Starts for Acquire49_84:
(Start: 2 @54182 has 1 MA's), (Start: 3 @54191 has 12 MA's), (4, 54239), (5, 54248), (6, 54269), (7, 54272), (8, 54344), (9, 54392),

Gene: Appletree2_83 Start: 53802, Stop: 54044, Start Num: 3
Candidate Starts for Appletree2_83:
(1, 53790), (Start: 2 @53793 has 1 MA's), (Start: 3 @53802 has 12 MA's), (5, 53859), (7, 53883), (8, 53955), (9, 54003),

Gene: AvadaKedavra_84 Start: 54270, Stop: 54518, Start Num: 3
Candidate Starts for AvadaKedavra_84:
(Start: 2 @54261 has 1 MA's), (Start: 3 @54270 has 12 MA's), (4, 54318), (5, 54327), (6, 54348), (7, 54351), (8, 54423), (9, 54471),

Gene: CicholasNage_81 Start: 53855, Stop: 54103, Start Num: 3
Candidate Starts for CicholasNage_81:
(Start: 2 @53846 has 1 MA's), (Start: 3 @53855 has 12 MA's), (4, 53903), (5, 53912), (6, 53933), (7, 53936), (8, 54008), (9, 54056),

Gene: DirkDirk_81 Start: 53382, Stop: 53624, Start Num: 3
Candidate Starts for DirkDirk_81:
(1, 53370), (Start: 2 @53373 has 1 MA's), (Start: 3 @53382 has 12 MA's), (5, 53439), (7, 53463), (8, 53535), (9, 53583),

Gene: Enceladus_81 Start: 54159, Stop: 54404, Start Num: 3
Candidate Starts for Enceladus_81:
(1, 54147), (Start: 2 @54150 has 1 MA's), (Start: 3 @54159 has 12 MA's), (5, 54216), (7, 54240), (8, 54312), (9, 54360),

Gene: JoeDirt_85 Start: 54757, Stop: 55005, Start Num: 3
Candidate Starts for JoeDirt_85:
(Start: 2 @54748 has 1 MA's), (Start: 3 @54757 has 12 MA's), (4, 54805), (5, 54814), (6, 54835), (7, 54838), (8, 54910), (9, 54958),

Gene: LeBron_83 Start: 53428, Stop: 53676, Start Num: 3
Candidate Starts for LeBron_83:

(Start: 2 @53419 has 1 MA's), (Start: 3 @53428 has 12 MA's), (4, 53476), (5, 53485), (6, 53506), (7, 53509), (8, 53581), (9, 53629),

Gene: Rose5_85 Start: 54602, Stop: 54850, Start Num: 3
Candidate Starts for Rose5_85:
(Start: 2 @54593 has 1 MA's), (Start: 3 @54602 has 12 MA's), (4, 54650), (5, 54659), (6, 54680), (7, 54683), (8, 54755), (9, 54803),

Gene: Silverleaf_84 Start: 54049, Stop: 54303, Start Num: 2
Candidate Starts for Silverleaf_84:
(Start: 2 @54049 has 1 MA's), (Start: 3 @54058 has 12 MA's), (4, 54106), (5, 54115), (7, 54139), (8, 54211), (9, 54259),

Gene: Tyson_85 Start: 54528, Stop: 54776, Start Num: 3
Candidate Starts for Tyson_85:
(Start: 2 @54519 has 1 MA's), (Start: 3 @54528 has 12 MA's), (4, 54576), (5, 54585), (6, 54606), (7, 54609), (8, 54681), (9, 54729),

Gene: UPIE_83 Start: 54124, Stop: 54372, Start Num: 3
Candidate Starts for UPIE_83:
(Start: 2 @54115 has 1 MA's), (Start: 3 @54124 has 12 MA's), (4, 54172), (5, 54181), (6, 54202), (7, 54205), (8, 54277), (9, 54325),

Gene: Wyatt2_85 Start: 54526, Stop: 54774, Start Num: 3
Candidate Starts for Wyatt2_85:
(Start: 2 @54517 has 1 MA's), (Start: 3 @54526 has 12 MA's), (4, 54574), (5, 54583), (6, 54604), (7, 54607), (8, 54679), (9, 54727),