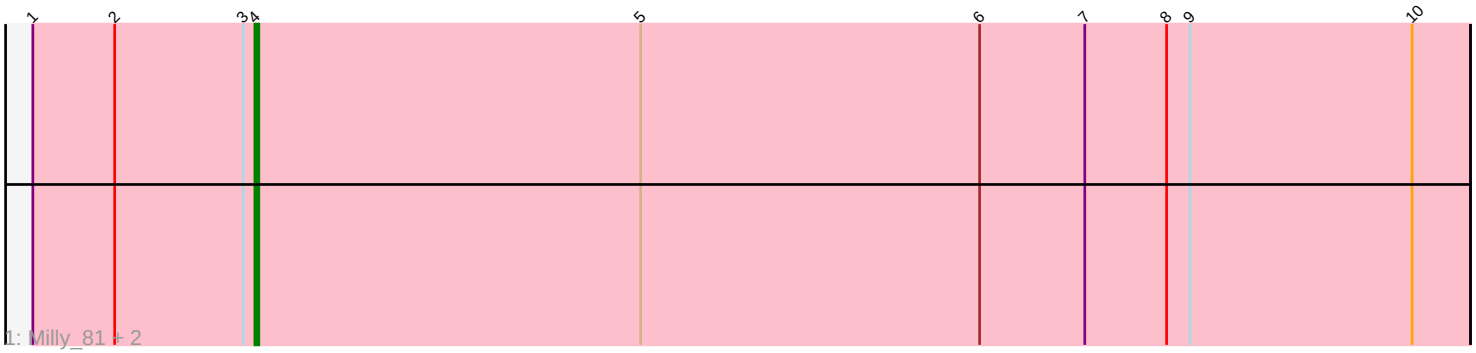
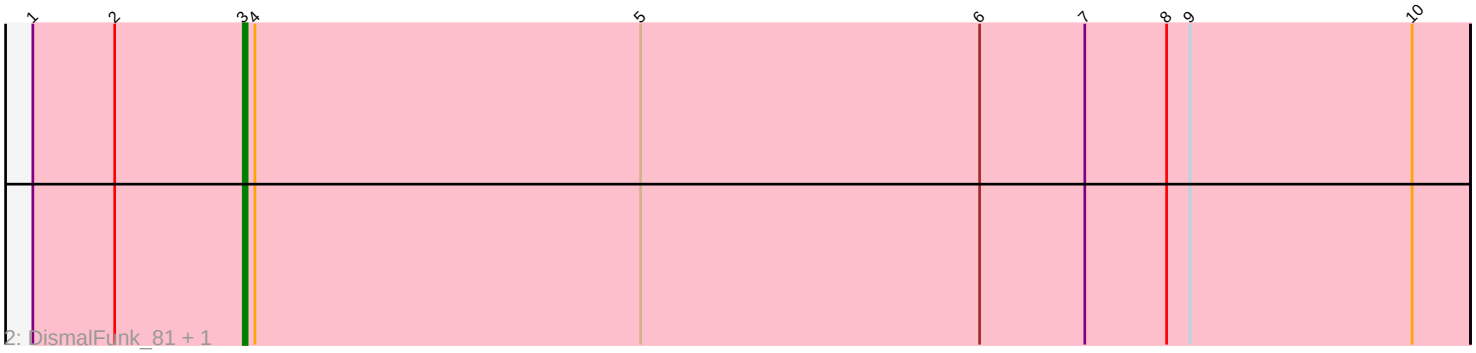
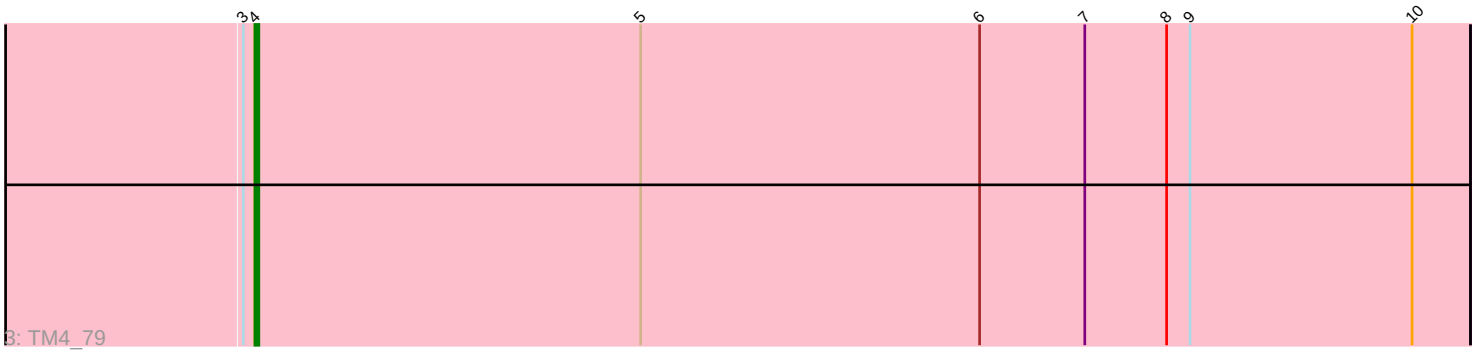
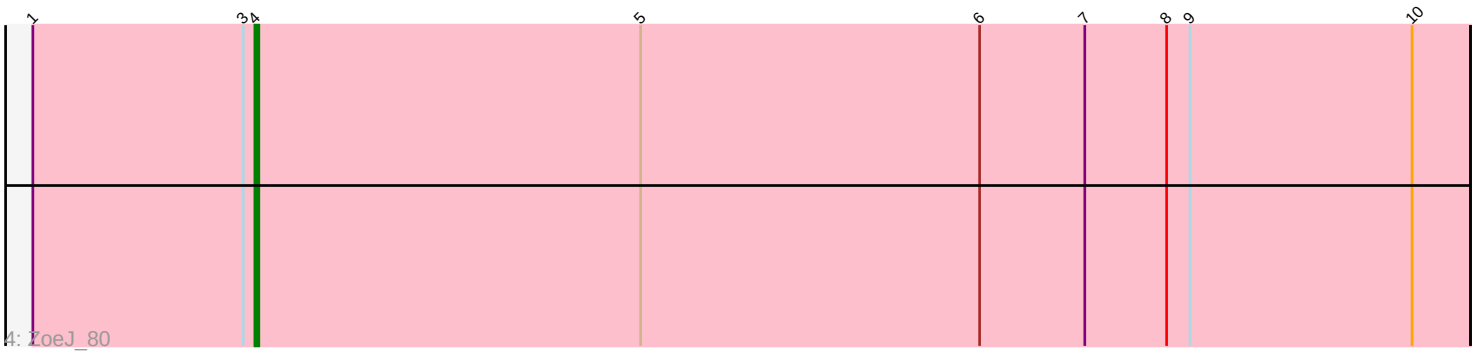
Pham 107054


1
2
3
4
5
6
7
8
9
10
1: Milly_81 + 2


1
2
3
4
5
6
7
8
9
10
2: DismalFunk_81 + 1


3
4
5
6
7
8
9
10
3: TM4_79


1
3
4
5
6
7
8
9
10
4: ZoeJ_80

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 107054 Report

This analysis was run 04/05/24 on database version 557.

Pham number 107054 has 7 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Milly_81, Mufasa_80, Findley_81
• Track 2 : DismalFunk_81, BoostSeason_80
• Track 3 : TM4_79
• Track 4 : ZoeJ_80

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

The start number called the most often in the published annotations is 4, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Findley_81, Milly_81, Mufasa_80, TM4_79, ZoeJ_80,

Genes that have the "Most Annotated" start but do not call it:
• BoostSeason_80, DismalFunk_81,

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: 2 of 7
• Called 28.6% of time when present
• Phage (with cluster) where this start called: BoostSeason_80 (K2), DismalFunk_81 (K2),

Start 4:
• Found in 7 of 7 (100.0%) of genes in pham
• Manual Annotations of this start: 5 of 7
• Called 71.4% of time when present
• Phage (with cluster) where this start called: Findley_81 (K2), Milly_81 (K2), Mufasa_80 (K2), TM4_79 (K2), ZoeJ_80 (K2),

Summary by clusters:

There is one cluster represented in this pham: K2

Info for manual annotations of cluster K2:
•Start number 3 was manually annotated 2 times for cluster K2.
•Start number 4 was manually annotated 5 times for cluster K2.

Gene Information:

Gene: BoostSeason_80 Start: 52428, Stop: 52742, Start Num: 3
Candidate Starts for BoostSeason_80:
(1, 52374), (2, 52395), (Start: 3 @52428 has 2 MA's), (Start: 4 @52431 has 5 MA's), (5, 52530), (6, 52617), (7, 52644), (8, 52665), (9, 52671), (10, 52728),

Gene: DismalFunk_81 Start: 52957, Stop: 53271, Start Num: 3
Candidate Starts for DismalFunk_81:
(1, 52903), (2, 52924), (Start: 3 @52957 has 2 MA's), (Start: 4 @52960 has 5 MA's), (5, 53059), (6, 53146), (7, 53173), (8, 53194), (9, 53200), (10, 53257),

Gene: Findley_81 Start: 52978, Stop: 53289, Start Num: 4
Candidate Starts for Findley_81:
(1, 52921), (2, 52942), (Start: 3 @52975 has 2 MA's), (Start: 4 @52978 has 5 MA's), (5, 53077), (6, 53164), (7, 53191), (8, 53212), (9, 53218), (10, 53275),

Gene: Milly_81 Start: 52951, Stop: 53262, Start Num: 4
Candidate Starts for Milly_81:
(1, 52894), (2, 52915), (Start: 3 @52948 has 2 MA's), (Start: 4 @52951 has 5 MA's), (5, 53050), (6, 53137), (7, 53164), (8, 53185), (9, 53191), (10, 53248),

Gene: Mufasa_80 Start: 52418, Stop: 52729, Start Num: 4
Candidate Starts for Mufasa_80:
(1, 52361), (2, 52382), (Start: 3 @52415 has 2 MA's), (Start: 4 @52418 has 5 MA's), (5, 52517), (6, 52604), (7, 52631), (8, 52652), (9, 52658), (10, 52715),

Gene: TM4_79 Start: 47389, Stop: 47700, Start Num: 4
Candidate Starts for TM4_79:
(Start: 3 @47386 has 2 MA's), (Start: 4 @47389 has 5 MA's), (5, 47488), (6, 47575), (7, 47602), (8, 47623), (9, 47629), (10, 47686),

Gene: ZoeJ_80 Start: 52392, Stop: 52703, Start Num: 4
Candidate Starts for ZoeJ_80:
(1, 52335), (Start: 3 @52389 has 2 MA's), (Start: 4 @52392 has 5 MA's), (5, 52491), (6, 52578), (7, 52605), (8, 52626), (9, 52632), (10, 52689),