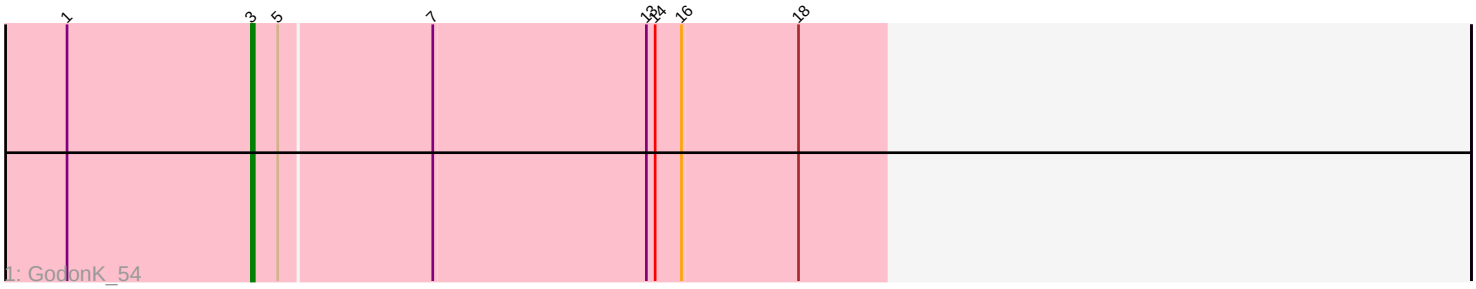
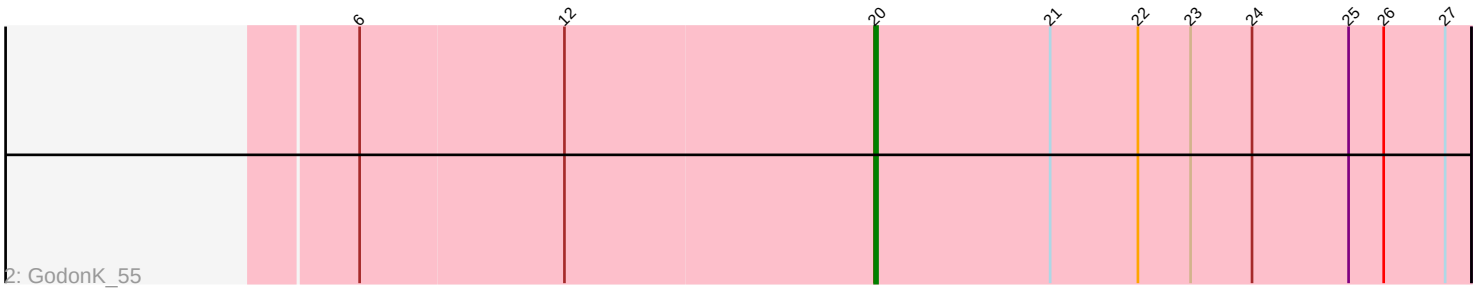
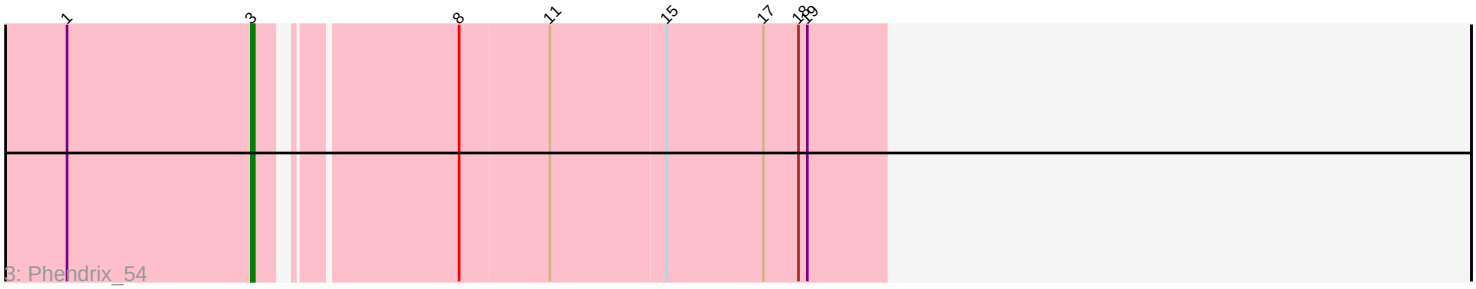
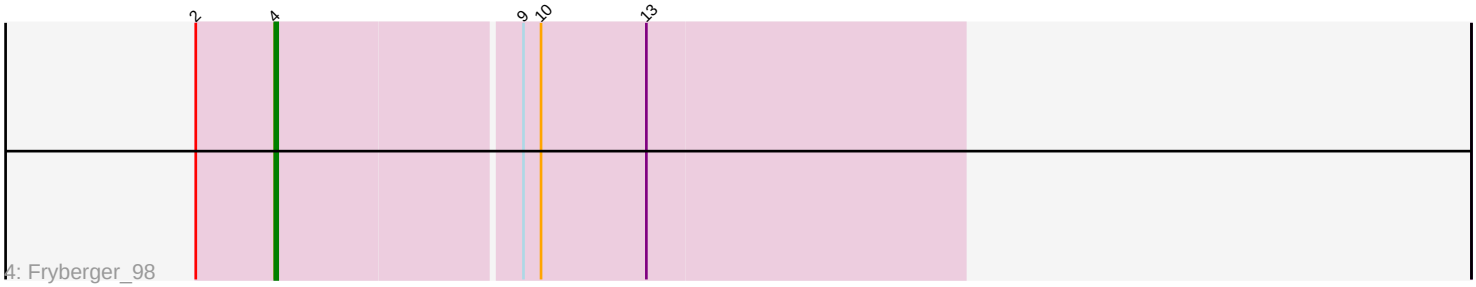
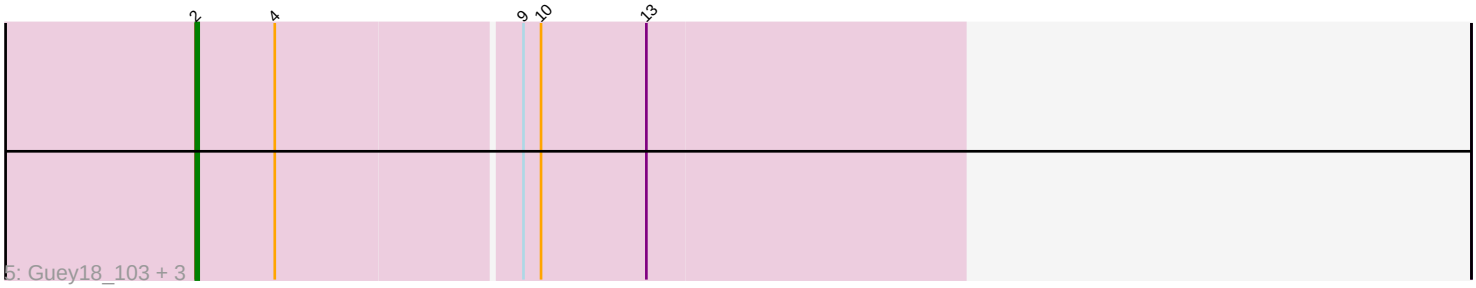
# Pham 188683


1
3
5
7
12
14
16
18
1: GodonK_54


6
12
20
21
22
23
24
25
26
27
2: GodonK_55


1
3
8
11
15
17
18
19
3: Phendrix_54


2
4
9
10
13
4: Fryberger_98


2
4
9
10
13
5: Guey18_103 + 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 188683 Report

This analysis was run 11/02/24 on database version 579.

Pham number 188683 has 8 members, 0 are drafts.

Phages represented in each track:
• Track 1 : GodonK_54
• Track 2 : GodonK_55
• Track 3 : Phendrix_54
• Track 4 : Fryberger_98
• Track 5 : Guey18_103, Ziko_100, Volt_102, Ronaldo_100

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Guey18_103, Ronaldo_100, Volt_102, Ziko_100,

Genes that have the "Most Annotated" start but do not call it:
• Fryberger_98,

Genes that do not have the "Most Annotated" start:
• GodonK_54, GodonK_55, Phendrix_54,

**Summary by start number:**

Start 2:
• Found in 5 of 8 ( 62.5% ) of genes in pham
• Manual Annotations of this start: 4 of 8
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Guey18_103 (DP), Ronaldo_100 (DP), Volt_102 (DP), Ziko_100 (DP),

Start 3:
• Found in 2 of 8 ( 25.0% ) of genes in pham
• Manual Annotations of this start: 2 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GodonK_54 (DK), Phendrix_54 (DK),

Start 4:
• Found in 5 of 8 ( 62.5% ) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Fryberger_98 (DP),

Start 20:
• Found in 1 of 8 ( 12.5% ) of genes in pham
• Manual Annotations of this start: 1 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GodonK_55 (DK),

**Summary by clusters:**

There are 2 clusters represented in this pham: DK, DP,

Info for manual annotations of cluster DK:
•Start number 3 was manually annotated 2 times for cluster DK.
•Start number 20 was manually annotated 1 time for cluster DK.

Info for manual annotations of cluster DP:
•Start number 2 was manually annotated 4 times for cluster DP.
•Start number 4 was manually annotated 1 time for cluster DP.

***Gene Information:***

Gene: Fryberger_98 Start: 48872, Stop: 49102, Start Num: 4
Candidate Starts for Fryberger_98:
(Start: 2 @48845 has 4 MA's), (Start: 4 @48872 has 1 MA's), (9, 48953), (10, 48959), (13, 48995),

Gene: GodonK_54 Start: 18720, Stop: 18932, Start Num: 3
Candidate Starts for GodonK_54:
(1, 18657), (Start: 3 @18720 has 2 MA's), (5, 18729), (7, 18780), (13, 18852), (14, 18855), (16, 18864), (18, 18903),

Gene: GodonK_55 Start: 18929, Stop: 19132, Start Num: 20
Candidate Starts for GodonK_55:
(6, 18755), (12, 18824), (Start: 20 @18929 has 1 MA's), (21, 18989), (22, 19019), (23, 19037), (24, 19058), (25, 19091), (26, 19103), (27, 19124),

Gene: Guey18_103 Start: 50165, Stop: 50422, Start Num: 2
Candidate Starts for Guey18_103:
(Start: 2 @50165 has 4 MA's), (Start: 4 @50192 has 1 MA's), (9, 50273), (10, 50279), (13, 50315),

Gene: Phendrix_54 Start: 18733, Stop: 18936, Start Num: 3
Candidate Starts for Phendrix_54:
(1, 18670), (Start: 3 @18733 has 2 MA's), (8, 18793), (11, 18823), (15, 18862), (17, 18895), (18, 18907), (19, 18910),

Gene: Ronaldo_100 Start: 49747, Stop: 50004, Start Num: 2

Candidate Starts for Ronaldo_100:
(Start: 2 @49747 has 4 MA's), (Start: 4 @49774 has 1 MA's), (9, 49855), (10, 49861), (13, 49897),

Gene: Volt_102 Start: 49911, Stop: 50168, Start Num: 2
Candidate Starts for Volt_102:
(Start: 2 @49911 has 4 MA's), (Start: 4 @49938 has 1 MA's), (9, 50019), (10, 50025), (13, 50061),

Gene: Ziko_100 Start: 49753, Stop: 50010, Start Num: 2
Candidate Starts for Ziko_100:
(Start: 2 @49753 has 4 MA's), (Start: 4 @49780 has 1 MA's), (9, 49861), (10, 49867), (13, 49903),