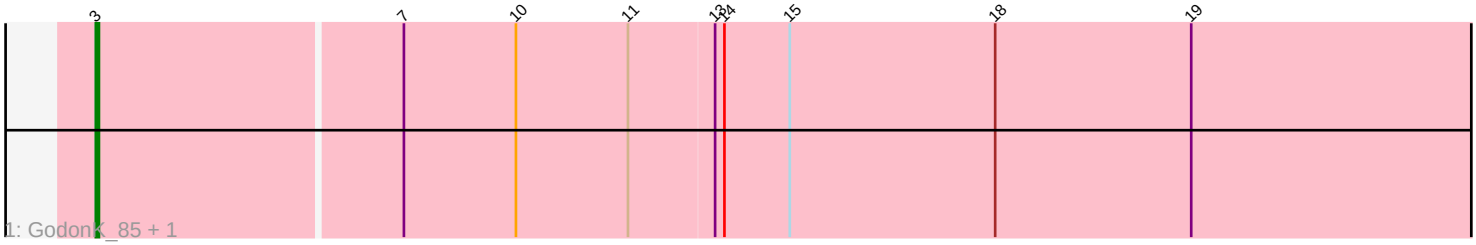
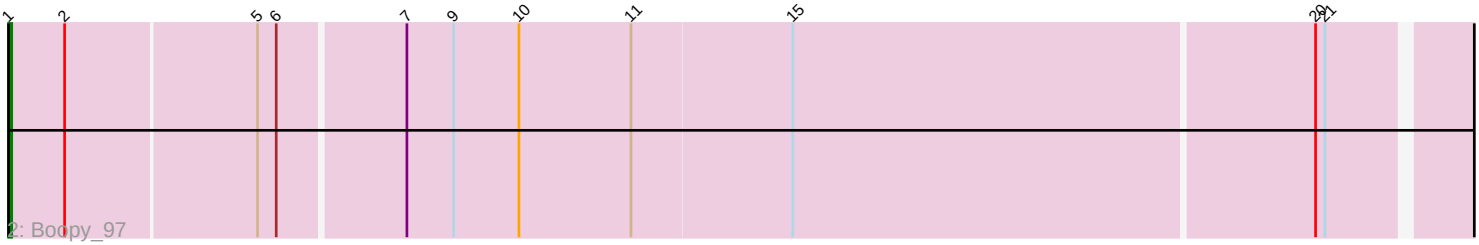
Pham 203631


3
7
10
11
13
14
15
18
19
1: GodonK_85 + 1


1
2
5
6
7
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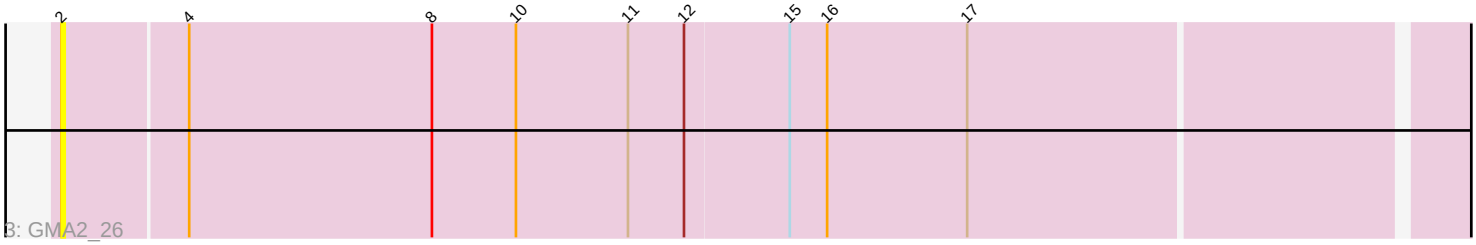
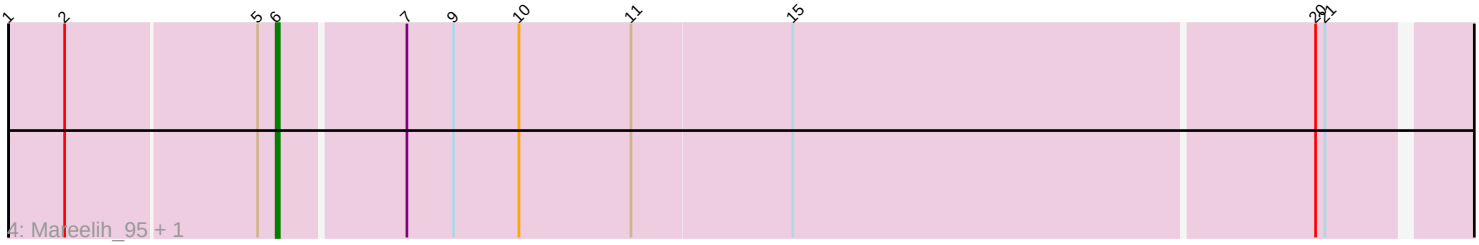
20
21
2: Boopy_97


2
4
8
10
11
12
15
16
17
3: GMA2_26


1
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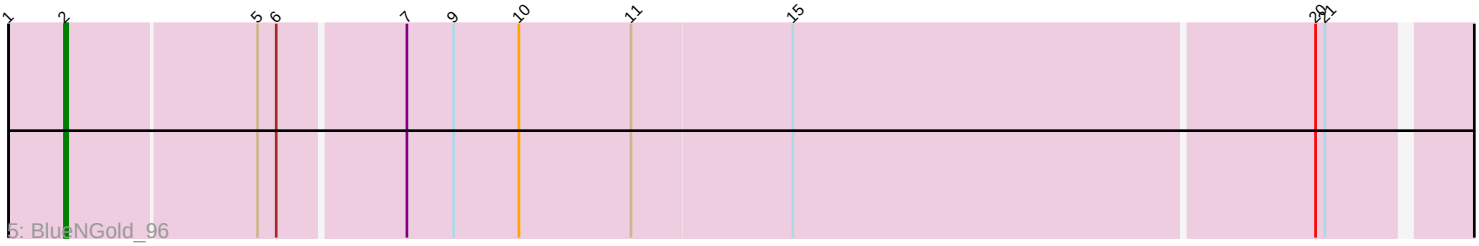
21
4: Mateelih_95 + 1


1
2
5
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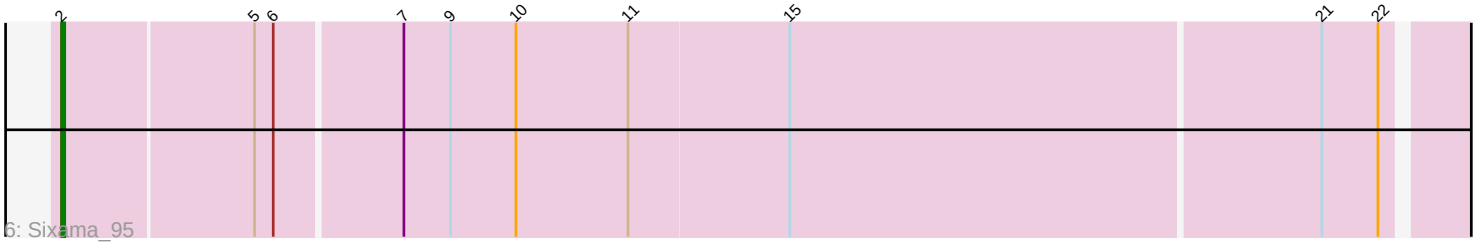
20
21
5: BlueNGold_96


2
5
6
7
9
10
11
15
21
22
6: Sixama_95

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 203631 Report

This analysis was run 01/18/25 on database version 583.

Pham number 203631 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : GodonK_85, Phendrix_83
• Track 2 : Boopy_97
• Track 3 : GMA2_26
• Track 4 : Mareelih_95, Forza_97
• Track 5 : BlueNGold_96
• Track 6 : Sixama_95

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 2 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlueNGold_96, GMA2_26, Sixama_95,

Genes that have the "Most Annotated" start but do not call it:
• Boopy_97, Forza_97, Mareelih_95,

Genes that do not have the "Most Annotated" start:
• GodonK_85, Phendrix_83,

Summary by start number:

Start 1:
• Found in 4 of 8 (50.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Boopy_97 (DS),

Start 2:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 50.0% of time when present

• Phage (with cluster) where this start called: BlueNGold_96 (DS), GMA2_26 (DS), Sixama_95 (DS),

Start 3:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GodonK_85 (DK), Phendrix_83 (DK),

Start 6:
• Found in 5 of 8 (62.5%) of genes in pham
• Manual Annotations of this start: 2 of 7
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Forza_97 (DS), Mareelih_95 (DS),

Summary by clusters:

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

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

Info for manual annotations of cluster DS:
•Start number 1 was manually annotated 1 time for cluster DS.
•Start number 2 was manually annotated 2 times for cluster DS.
•Start number 6 was manually annotated 2 times for cluster DS.

Gene Information:

Gene: BlueNGold_96 Start: 52383, Stop: 52823, Start Num: 2
Candidate Starts for BlueNGold_96:
(Start: 1 @52365 has 1 MA's), (Start: 2 @52383 has 2 MA's), (5, 52443), (Start: 6 @52449 has 2 MA's), (7, 52488), (9, 52503), (10, 52524), (11, 52560), (15, 52611), (20, 52776), (21, 52779),

Gene: Boopy_97 Start: 52377, Stop: 52835, Start Num: 1
Candidate Starts for Boopy_97:
(Start: 1 @52377 has 1 MA's), (Start: 2 @52395 has 2 MA's), (5, 52455), (Start: 6 @52461 has 2 MA's), (7, 52500), (9, 52515), (10, 52536), (11, 52572), (15, 52623), (20, 52788), (21, 52791),

Gene: Forza_97 Start: 52377, Stop: 52751, Start Num: 6
Candidate Starts for Forza_97:
(Start: 1 @52293 has 1 MA's), (Start: 2 @52311 has 2 MA's), (5, 52371), (Start: 6 @52377 has 2 MA's), (7, 52416), (9, 52431), (10, 52452), (11, 52488), (15, 52539), (20, 52704), (21, 52707),

Gene: GMA2_26 Start: 22675, Stop: 23118, Start Num: 2
Candidate Starts for GMA2_26:
(Start: 2 @22675 has 2 MA's), (4, 22714), (8, 22792), (10, 22819), (11, 22855), (12, 22873), (15, 22906), (16, 22918), (17, 22963),

Gene: GodonK_85 Start: 44030, Stop: 44485, Start Num: 3
Candidate Starts for GodonK_85:

(Start: 3 @44030 has 2 MA's), (7, 44126), (10, 44162), (11, 44198), (13, 44225), (14, 44228), (15, 44249), (18, 44315), (19, 44378),

Gene: Mareelih_95 Start: 51879, Stop: 52253, Start Num: 6
Candidate Starts for Mareelih_95:
(Start: 1 @51795 has 1 MA's), (Start: 2 @51813 has 2 MA's), (5, 51873), (Start: 6 @51879 has 2 MA's), (7, 51918), (9, 51933), (10, 51954), (11, 51990), (15, 52041), (20, 52206), (21, 52209),

Gene: Phendrix_83 Start: 43898, Stop: 44353, Start Num: 3
Candidate Starts for Phendrix_83:
(Start: 3 @43898 has 2 MA's), (7, 43994), (10, 44030), (11, 44066), (13, 44093), (14, 44096), (15, 44117), (18, 44183), (19, 44246),

Gene: Sixama_95 Start: 51920, Stop: 52360, Start Num: 2
Candidate Starts for Sixama_95:
(Start: 2 @51920 has 2 MA's), (5, 51980), (Start: 6 @51986 has 2 MA's), (7, 52025), (9, 52040), (10, 52061), (11, 52097), (15, 52148), (21, 52316), (22, 52334),