Pham 6262
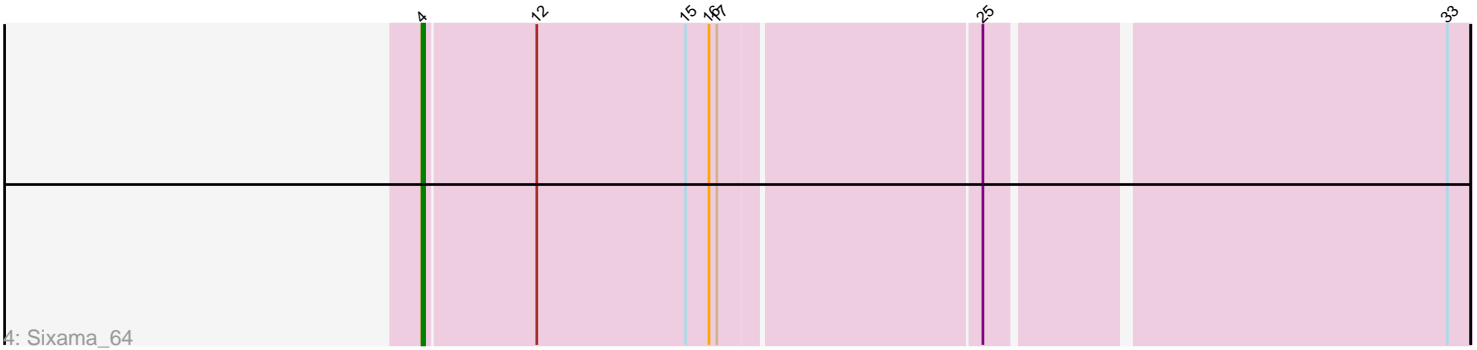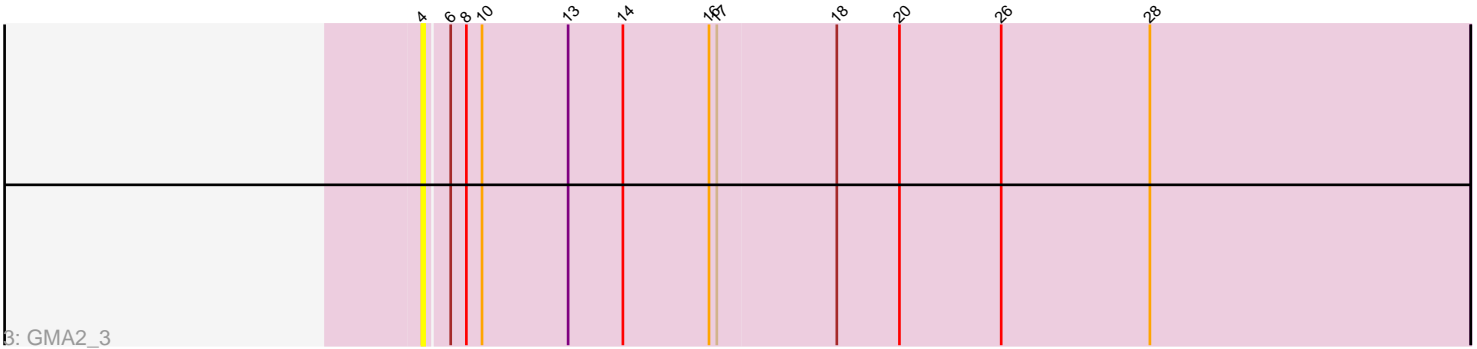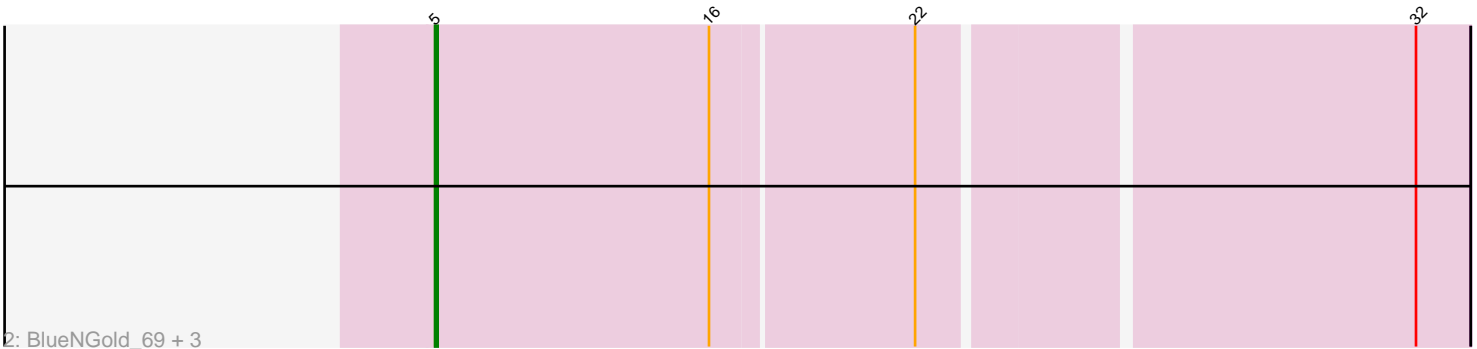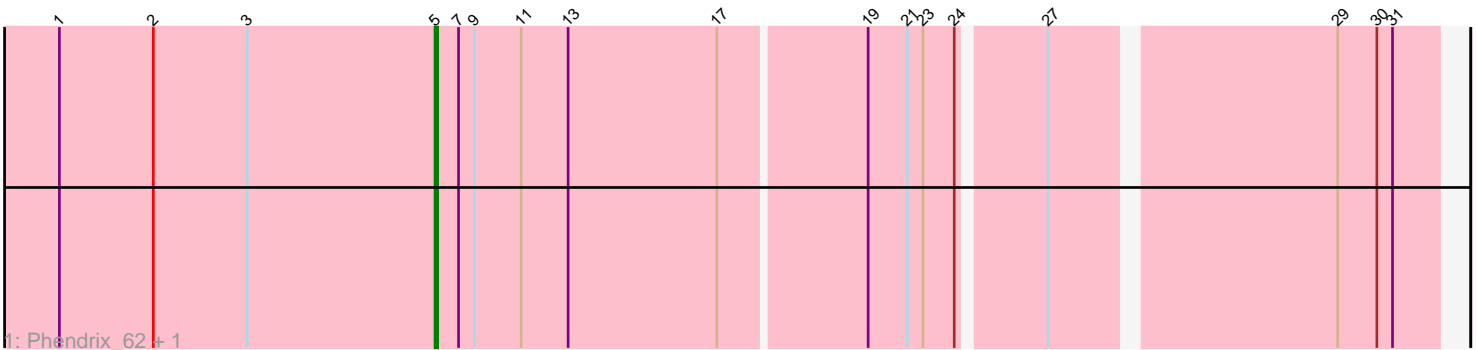

1: Phendrix_62 + 1

2: BlueNGold_69 + 3

3: GMA2_3

4: Sixama_64

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 6262 Report

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

Pham number 6262 has 8 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Phendrix_62, GodonK_63
• Track 2 : BlueNGold_69, Mareelih_69, Boopy_71, Forza_71
• Track 3 : GMA2_3
• Track 4 : Sixama_64

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

The start number called the most often in the published annotations is 5, it was called in 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• BlueNGold_69, Boopy_71, Forza_71, GodonK_63, Mareelih_69, Phendrix_62,

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

Genes that do not have the "Most Annotated" start:
• GMA2_3, Sixama_64,

Summary by start number:

Start 4:
• Found in 2 of 8 (25.0%) of genes in pham
• Manual Annotations of this start: 1 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GMA2_3 (DS), Sixama_64 (DS),

Start 5:
• Found in 6 of 8 (75.0%) of genes in pham
• Manual Annotations of this start: 6 of 7
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BlueNGold_69 (DS), Boopy_71 (DS), Forza_71 (DS), GodonK_63 (DK), Mareelih_69 (DS), Phendrix_62 (DK),

Summary by clusters:

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

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

Info for manual annotations of cluster DS:
•Start number 4 was manually annotated 1 time for cluster DS.
•Start number 5 was manually annotated 4 times for cluster DS.

Gene Information:
Gene: BlueNGold_69 Start: 28647, Stop: 29027, Start Num: 5
Candidate Starts for BlueNGold_69:
(Start: 5 @28647 has 6 MA's), (16, 28752), (22, 28827), (32, 29007),

Gene: Boopy_71 Start: 28659, Stop: 29039, Start Num: 5
Candidate Starts for Boopy_71:
(Start: 5 @28659 has 6 MA's), (16, 28764), (22, 28839), (32, 29019),

Gene: Forza_71 Start: 28575, Stop: 28955, Start Num: 5
Candidate Starts for Forza_71:
(Start: 5 @28575 has 6 MA's), (16, 28680), (22, 28755), (32, 28935),

Gene: GMA2_3 Start: 3580, Stop: 3978, Start Num: 4
Candidate Starts for GMA2_3:
(Start: 4 @3580 has 1 MA's), (6, 3589), (8, 3595), (10, 3601), (13, 3634), (14, 3655), (16, 3688), (17, 3691), (18, 3736), (20, 3760), (26, 3799), (28, 3856),

Gene: GodonK_63 Start: 23684, Stop: 24049, Start Num: 5
Candidate Starts for GodonK_63:
(1, 23540), (2, 23576), (3, 23612), (Start: 5 @23684 has 6 MA's), (7, 23693), (9, 23699), (11, 23717), (13, 23735), (17, 23792), (19, 23846), (21, 23861), (23, 23867), (24, 23879), (27, 23909), (29, 24011), (30, 24026), (31, 24032),

Gene: Mareelih_69 Start: 28077, Stop: 28457, Start Num: 5
Candidate Starts for Mareelih_69:
(Start: 5 @28077 has 6 MA's), (16, 28182), (22, 28257), (32, 28437),

Gene: Phendrix_62 Start: 23532, Stop: 23897, Start Num: 5
Candidate Starts for Phendrix_62:
(1, 23388), (2, 23424), (3, 23460), (Start: 5 @23532 has 6 MA's), (7, 23541), (9, 23547), (11, 23565), (13, 23583), (17, 23640), (19, 23694), (21, 23709), (23, 23715), (24, 23727), (27, 23757), (29, 23859), (30, 23874), (31, 23880),

Gene: Sixama_64 Start: 26639, Stop: 27022, Start Num: 4
Candidate Starts for Sixama_64:
(Start: 4 @26639 has 1 MA's), (12, 26681), (15, 26738), (16, 26747), (17, 26750), (25, 26846), (33, 27014),