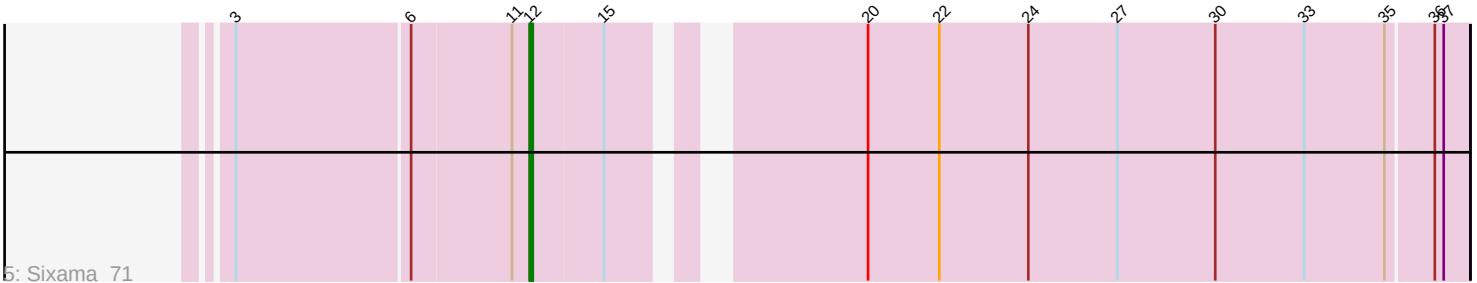
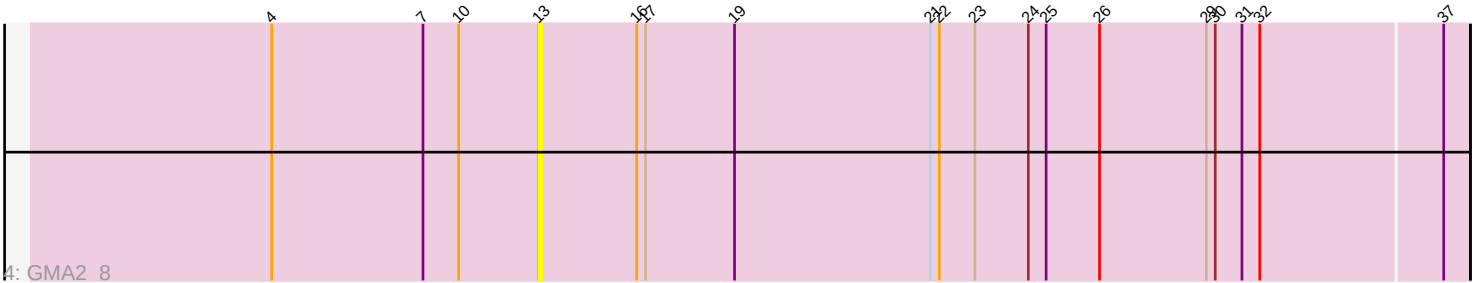
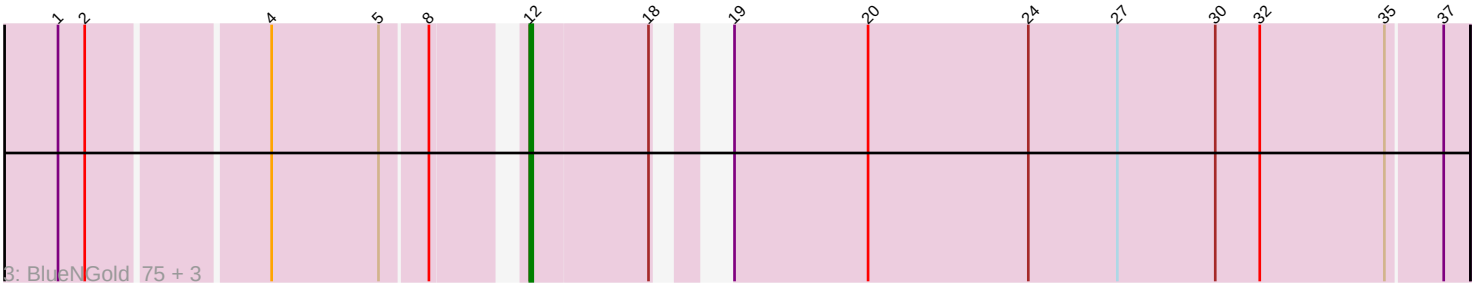
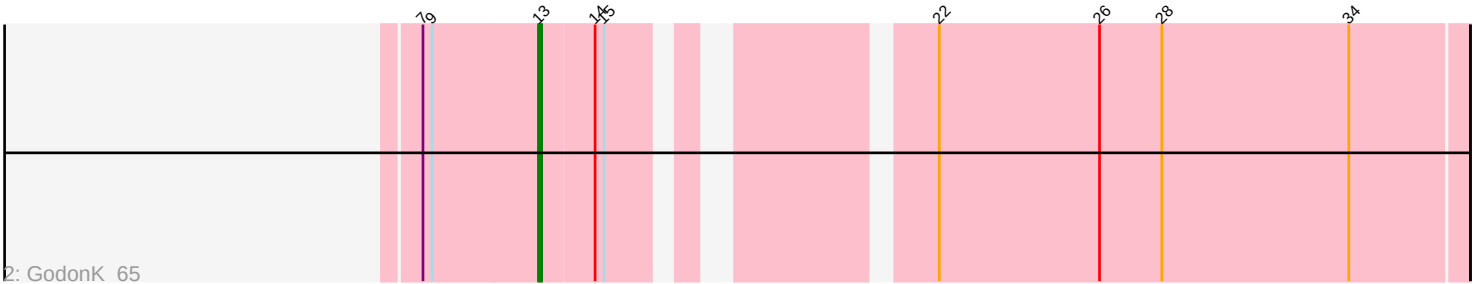
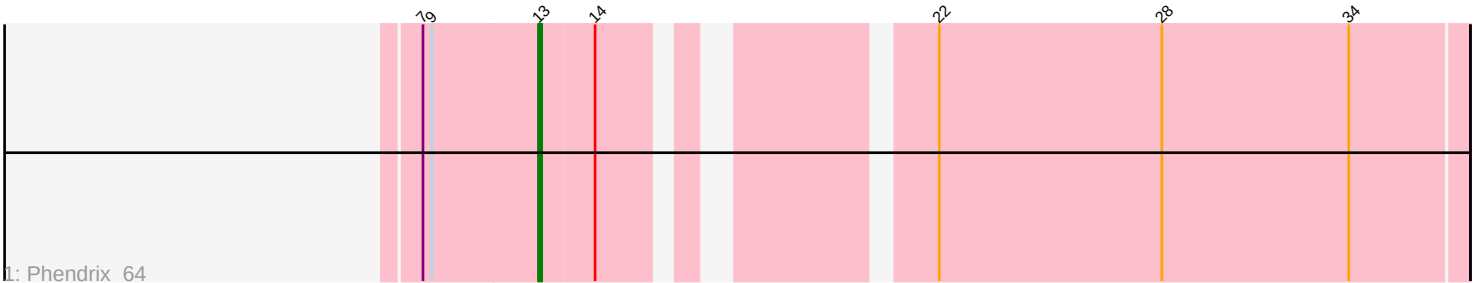


Pham 318295



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 318295 Report

This analysis was run 09/05/26 on database version 662.

Pham number 318295 has 8 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Phendrix_64
- Track 2 : GodonK_65
- Track 3 : BlueNGold_75, Mareelih_75, Boopy_76, Forza_76
- Track 4 : GMA2_8
- Track 5 : Sixama_71

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

The start number called the most often in the published annotations is 12, it was called in 5 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BlueNGold_75, Boopy_76, Forza_76, Mareelih_75, Sixama_71,

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

-

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

- GMA2_8, GodonK_65, Phendrix_64,

Summary by start number:

Start 12:

- Found in 5 of 8 (62.5%) of genes in pham
- Manual Annotations of this start: 5 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlueNGold_75 (DS), Boopy_76 (DS), Forza_76 (DS), Mareelih_75 (DS), Sixama_71 (DS),

Start 13:

- Found in 3 of 8 (37.5%) 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: GMA2_8 (DS), GodonK_65 (DK), Phendrix_64 (DK),

Summary by clusters:

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

Info for manual annotations of cluster DK:

- Start number 13 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DS:

- Start number 12 was manually annotated 5 times for cluster DS.

Gene Information:

Gene: BlueNGold_75 Start: 31069, Stop: 31362, Start Num: 12

Candidate Starts for BlueNGold_75:

(1, 30928), (2, 30937), (4, 30994), (5, 31030), (8, 31045), (Start: 12 @31069 has 5 MA's), (18, 31108), (19, 31117), (20, 31162), (24, 31216), (27, 31246), (30, 31279), (32, 31294), (35, 31336), (37, 31354),

Gene: Boopy_76 Start: 31081, Stop: 31374, Start Num: 12

Candidate Starts for Boopy_76:

(1, 30940), (2, 30949), (4, 31006), (5, 31042), (8, 31057), (Start: 12 @31081 has 5 MA's), (18, 31120), (19, 31129), (20, 31174), (24, 31228), (27, 31258), (30, 31291), (32, 31306), (35, 31348), (37, 31366),

Gene: Forza_76 Start: 30997, Stop: 31290, Start Num: 12

Candidate Starts for Forza_76:

(1, 30856), (2, 30865), (4, 30922), (5, 30958), (8, 30973), (Start: 12 @30997 has 5 MA's), (18, 31036), (19, 31045), (20, 31090), (24, 31144), (27, 31174), (30, 31207), (32, 31222), (35, 31264), (37, 31282),

Gene: GMA2_8 Start: 5906, Stop: 6217, Start Num: 13

Candidate Starts for GMA2_8:

(4, 5816), (7, 5867), (10, 5879), (Start: 13 @5906 has 2 MA's), (16, 5939), (17, 5942), (19, 5972), (21, 6038), (22, 6041), (23, 6053), (24, 6071), (25, 6077), (26, 6095), (29, 6131), (30, 6134), (31, 6143), (32, 6149), (37, 6209),

Gene: GodonK_65 Start: 24414, Stop: 24695, Start Num: 13

Candidate Starts for GodonK_65:

(7, 24390), (9, 24393), (Start: 13 @24414 has 2 MA's), (14, 24432), (15, 24435), (22, 24519), (26, 24573), (28, 24594), (34, 24657),

Gene: Mareelih_75 Start: 30499, Stop: 30792, Start Num: 12

Candidate Starts for Mareelih_75:

(1, 30358), (2, 30367), (4, 30424), (5, 30460), (8, 30475), (Start: 12 @30499 has 5 MA's), (18, 30538), (19, 30547), (20, 30592), (24, 30646), (27, 30676), (30, 30709), (32, 30724), (35, 30766), (37, 30784),

Gene: Phendrix_64 Start: 24262, Stop: 24543, Start Num: 13

Candidate Starts for Phendrix_64:

(7, 24238), (9, 24241), (Start: 13 @24262 has 2 MA's), (14, 24280), (22, 24367), (28, 24442), (34, 24505),

Gene: Sixama_71 Start: 29707, Stop: 30000, Start Num: 12

Candidate Starts for Sixama_71:

(3, 29611), (6, 29668), (11, 29701), (Start: 12 @29707 has 5 MA's), (15, 29731), (20, 29800), (22, 29824), (24, 29854), (27, 29884), (30, 29917), (33, 29947), (35, 29974), (36, 29989), (37, 29992),