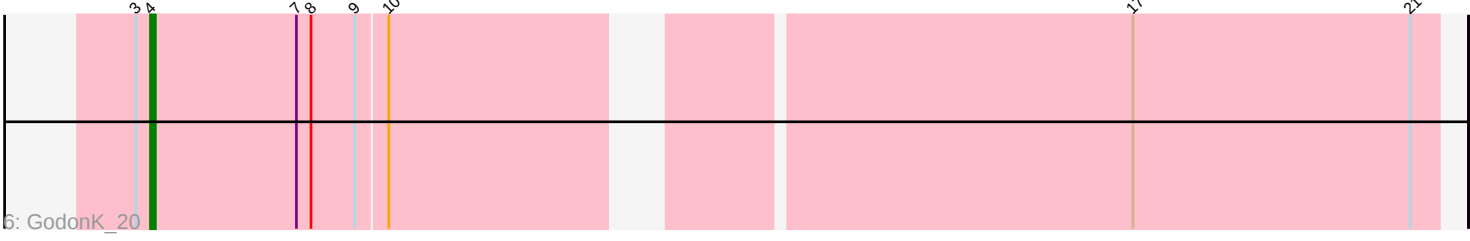
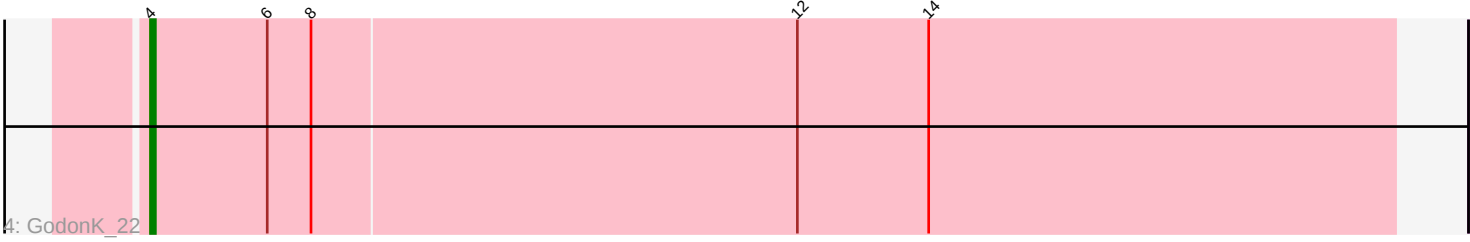
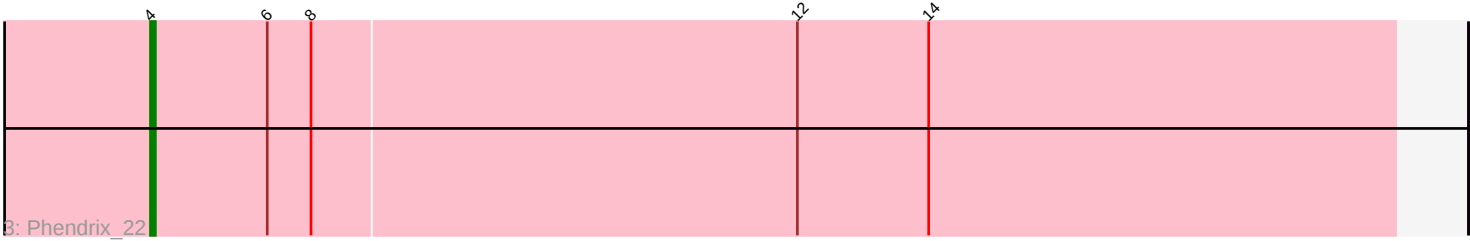
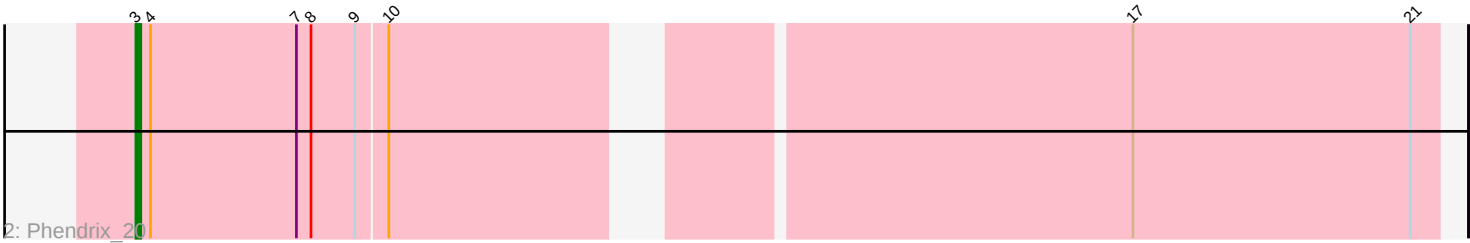
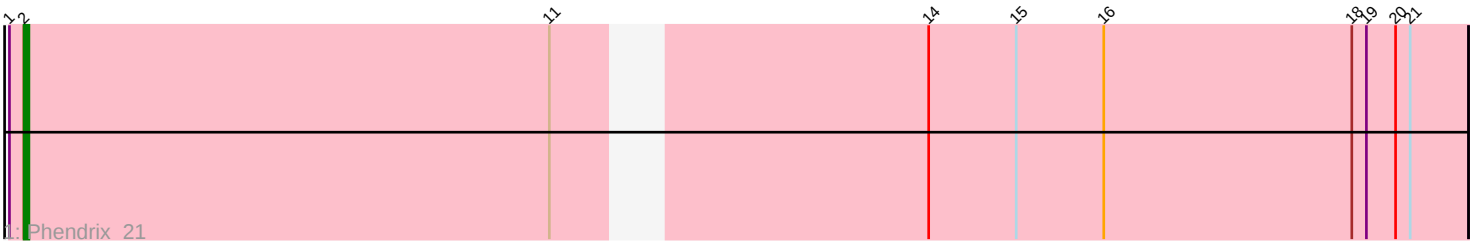


Pham 310133



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 310133 Report

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

Pham number 310133 has 6 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Phendrix_21
- Track 2 : Phendrix_20
- Track 3 : Phendrix_22
- Track 4 : GodonK_22
- Track 5 : GodonK_21
- Track 6 : GodonK_20

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 3 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- GodonK_20, GodonK_22, Phendrix_22,

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

- Phendrix_20,

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

- GodonK_21, Phendrix_21,

Summary by start number:

Start 2:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 2 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GodonK_21 (DK), Phendrix_21 (DK),

Start 3:

- Found in 2 of 6 (33.3%) of genes in pham
- Manual Annotations of this start: 1 of 6
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Phendrix_20 (DK),

Start 4:

- Found in 4 of 6 (66.7%) of genes in pham
- Manual Annotations of this start: 3 of 6
- Called 75.0% of time when present
- Phage (with cluster) where this start called: GodonK_20 (DK), GodonK_22 (DK), Phendrix_22 (DK),

Summary by clusters:

There is one cluster represented in this pham: DK

Info for manual annotations of cluster DK:

- Start number 2 was manually annotated 2 times for cluster DK.
- Start number 3 was manually annotated 1 time for cluster DK.
- Start number 4 was manually annotated 3 times for cluster DK.

Gene Information:

Gene: GodonK_22 Start: 8490, Stop: 8236, Start Num: 4

Candidate Starts for GodonK_22:

(Start: 4 @8490 has 3 MA's), (6, 8466), (8, 8457), (12, 8358), (14, 8331),

Gene: GodonK_21 Start: 8182, Stop: 7925, Start Num: 2

Candidate Starts for GodonK_21:

(1, 8185), (Start: 2 @8182 has 2 MA's), (5, 8146), (11, 8098), (13, 8047), (17, 7993), (18, 7948), (19, 7945), (20, 7939), (21, 7936),

Gene: GodonK_20 Start: 7909, Stop: 7661, Start Num: 4

Candidate Starts for GodonK_20:

(Start: 3 @7912 has 1 MA's), (Start: 4 @7909 has 3 MA's), (7, 7879), (8, 7876), (9, 7867), (10, 7861), (17, 7723), (21, 7666),

Gene: Phendrix_21 Start: 8380, Stop: 8096, Start Num: 2

Candidate Starts for Phendrix_21:

(1, 8383), (Start: 2 @8380 has 2 MA's), (11, 8272), (14, 8206), (15, 8188), (16, 8170), (18, 8119), (19, 8116), (20, 8110), (21, 8107),

Gene: Phendrix_20 Start: 8083, Stop: 7832, Start Num: 3

Candidate Starts for Phendrix_20:

(Start: 3 @8083 has 1 MA's), (Start: 4 @8080 has 3 MA's), (7, 8050), (8, 8047), (9, 8038), (10, 8032), (17, 7894), (21, 7837),

Gene: Phendrix_22 Start: 8667, Stop: 8413, Start Num: 4

Candidate Starts for Phendrix_22:

(Start: 4 @8667 has 3 MA's), (6, 8643), (8, 8634), (12, 8535), (14, 8508),