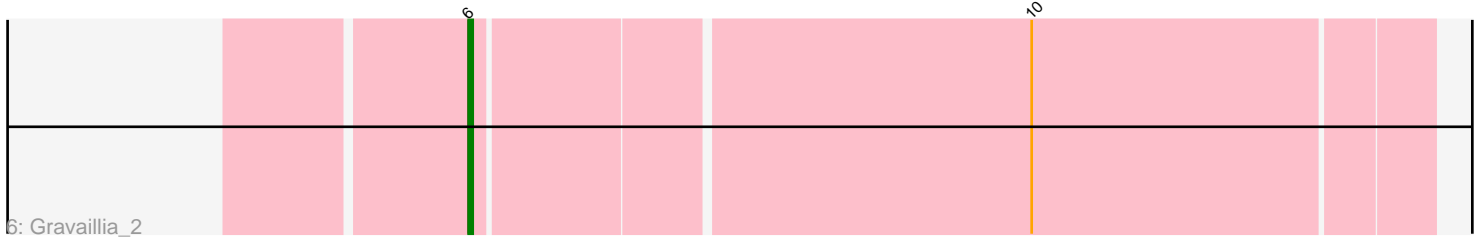
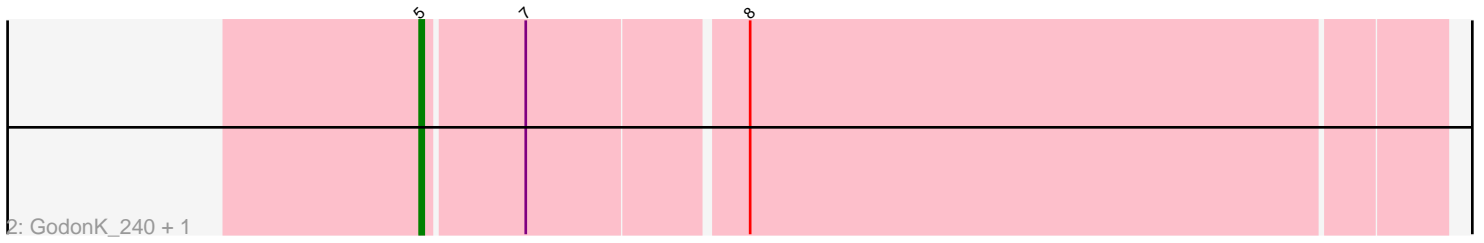
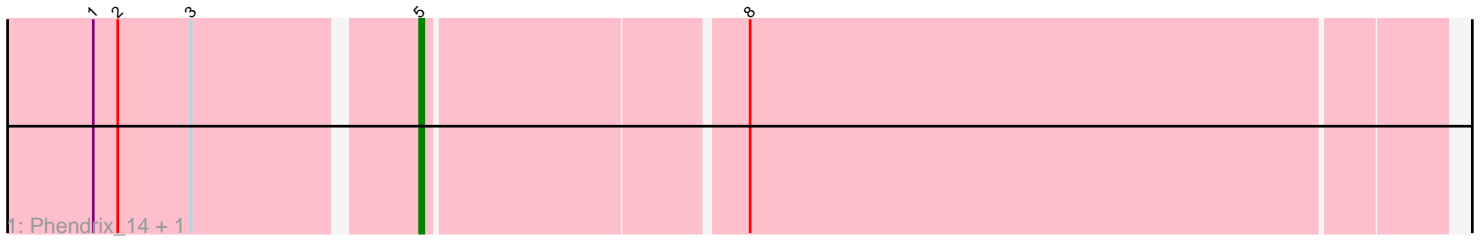


Pham 164060



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 164060 Report

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

Pham number 164060 has 12 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Phendrix_14, Phendrix_230
- Track 2 : GodonK_240, GodonK_14
- Track 3 : SoilGremlin_56, Delphidian_57, Phriends_55, OldNelly_56
- Track 4 : Endor_57, GardenB_56
- Track 5 : FarmerDoug_55
- Track 6 : Gravaillia_2

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 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- GodonK_14, GodonK_240, Phendrix_14, Phendrix_230,

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

-

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

- Delphidian_57, Endor_57, FarmerDoug_55, GardenB_56, Gravaillia_2, OldNelly_56, Phriends_55, SoilGremlin_56,

Summary by start number:

Start 4:

- Found in 7 of 12 (58.3%) of genes in pham
- Manual Annotations of this start: 3 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Delphidian_57 (EA1), Endor_57 (EA1), FarmerDoug_55 (EA1), GardenB_56 (EA1), OldNelly_56 (EA1), Phriends_55 (EA1), SoilGremlin_56 (EA1),

Start 5:

- Found in 4 of 12 (33.3%) of genes in pham

- Manual Annotations of this start: 4 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: GodonK_14 (DK), GodonK_240 (DK), Phendrix_14 (DK), Phendrix_230 (DK),

Start 6:

- Found in 1 of 12 (8.3%) 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: Gravaillia_2 (Q),

Summary by clusters:

There are 3 clusters represented in this pham: EA1, Q, DK,

Info for manual annotations of cluster DK:

- Start number 5 was manually annotated 4 times for cluster DK.

Info for manual annotations of cluster EA1:

- Start number 4 was manually annotated 3 times for cluster EA1.

Info for manual annotations of cluster Q:

- Start number 6 was manually annotated 1 time for cluster Q.

Gene Information:

Gene: Delphidian_57 Start: 37991, Stop: 37731, Start Num: 4

Candidate Starts for Delphidian_57:

(Start: 4 @37991 has 3 MA's), (9, 37853), (10, 37850),

Gene: Endor_57 Start: 38543, Stop: 38283, Start Num: 4

Candidate Starts for Endor_57:

(Start: 4 @38543 has 3 MA's), (9, 38405), (10, 38402), (11, 38327), (12, 38324),

Gene: FarmerDoug_55 Start: 38067, Stop: 37807, Start Num: 4

Candidate Starts for FarmerDoug_55:

(Start: 4 @38067 has 3 MA's), (9, 37929), (10, 37926), (11, 37851),

Gene: GardenB_56 Start: 38320, Stop: 38060, Start Num: 4

Candidate Starts for GardenB_56:

(Start: 4 @38320 has 3 MA's), (9, 38182), (10, 38179), (11, 38104), (12, 38101),

Gene: GodonK_240 Start: 120532, Stop: 120290, Start Num: 5

Candidate Starts for GodonK_240:

(Start: 5 @120532 has 4 MA's), (7, 120508), (8, 120457),

Gene: GodonK_14 Start: 5550, Stop: 5308, Start Num: 5

Candidate Starts for GodonK_14:

(Start: 5 @5550 has 4 MA's), (7, 5526), (8, 5475),

Gene: Gravaillia_2 Start: 866, Stop: 639, Start Num: 6

Candidate Starts for Gravaillia_2:
(Start: 6 @866 has 1 MA's), (10, 734),

Gene: OldNelly_56 Start: 37995, Stop: 37735, Start Num: 4
Candidate Starts for OldNelly_56:
(Start: 4 @37995 has 3 MA's), (9, 37857), (10, 37854),

Gene: Phendrix_14 Start: 5717, Stop: 5475, Start Num: 5
Candidate Starts for Phendrix_14:
(1, 5792), (2, 5786), (3, 5768), (Start: 5 @5717 has 4 MA's), (8, 5642),

Gene: Phendrix_230 Start: 119315, Stop: 119073, Start Num: 5
Candidate Starts for Phendrix_230:
(1, 119390), (2, 119384), (3, 119366), (Start: 5 @119315 has 4 MA's), (8, 119240),

Gene: Phriends_55 Start: 37999, Stop: 37739, Start Num: 4
Candidate Starts for Phriends_55:
(Start: 4 @37999 has 3 MA's), (9, 37861), (10, 37858),

Gene: SoilGremlin_56 Start: 37992, Stop: 37732, Start Num: 4
Candidate Starts for SoilGremlin_56:
(Start: 4 @37992 has 3 MA's), (9, 37854), (10, 37851),