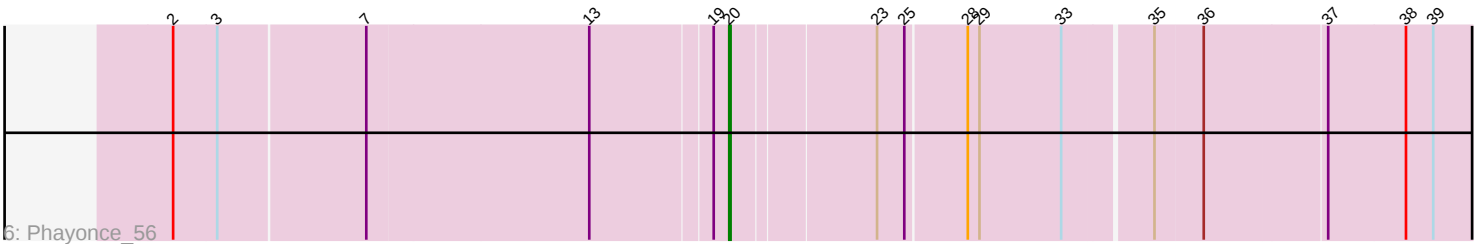
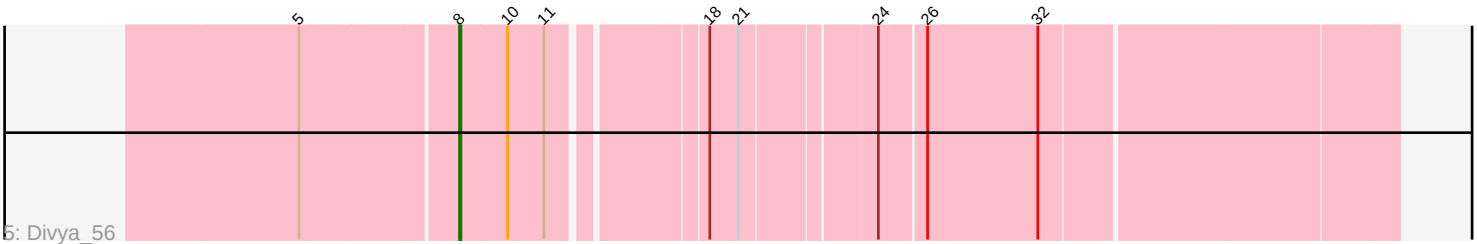
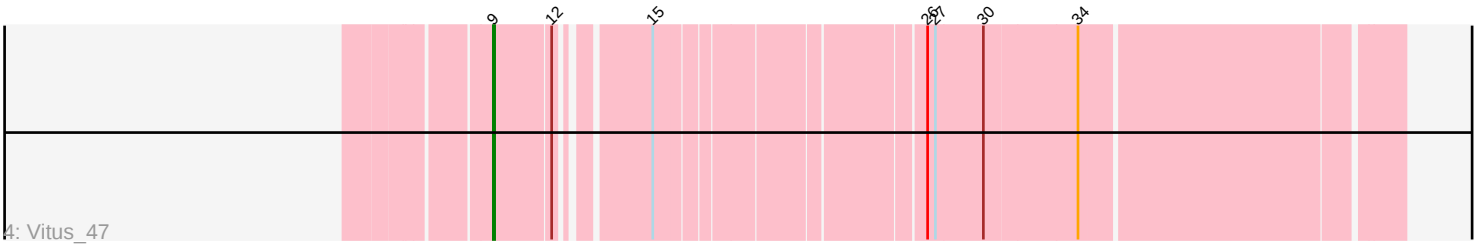
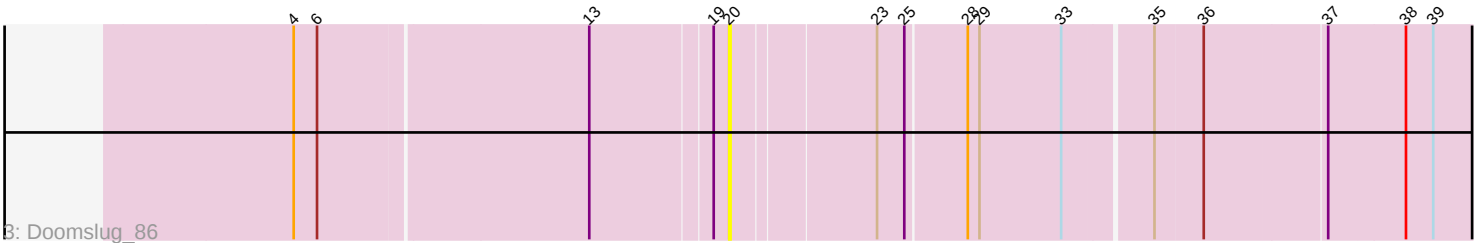
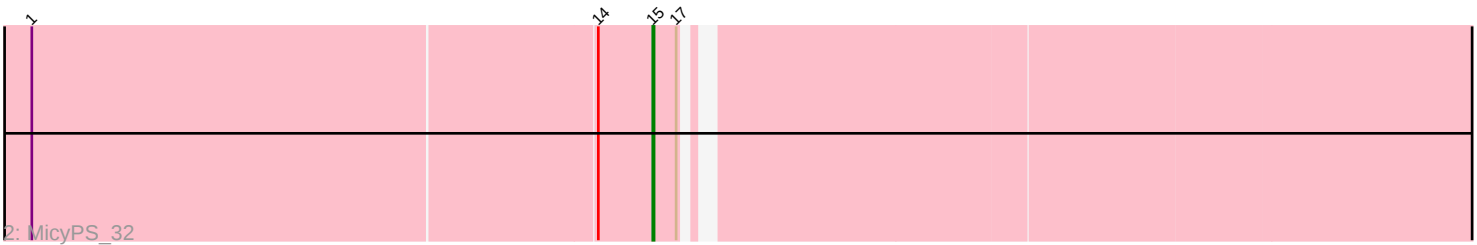
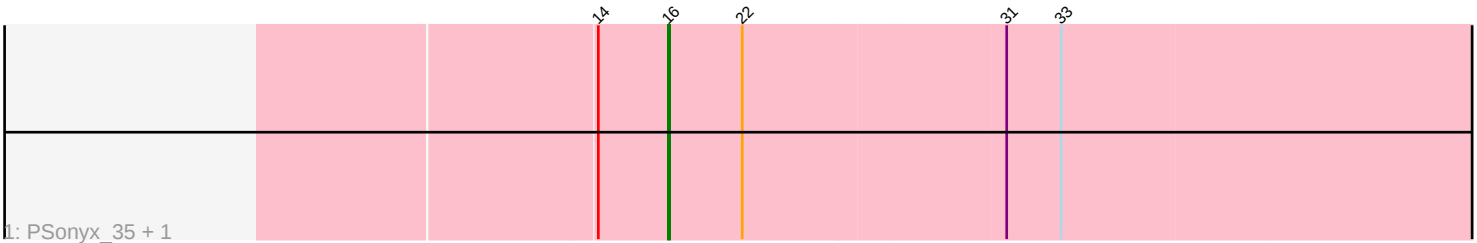


Pham 310023



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 310023 Report

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

Pham number 310023 has 7 members, 2 are drafts.

Phages represented in each track:

- Track 1 : PSonyx_35, Taotie_33
- Track 2 : MicyPS_32
- Track 3 : Doomslug_86
- Track 4 : Vitus_47
- Track 5 : Divya_56
- Track 6 : Phayonce_56

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

The start number called the most often in the published annotations is 16, it was called in 1 of the 5 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- PSonyx_35, Taotie_33,

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

-

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

- Divya_56, Doomslug_86, MicyPS_32, Phayonce_56, Vitus_47,

Summary by start number:

Start 8:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Divya_56 (FL),

Start 9:

- Found in 1 of 7 (14.3%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Vitus_47 (FL),

Start 15:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 50.0% of time when present
- Phage (with cluster) where this start called: MicyPS_32 (EQ),

Start 16:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PSonyx_35 (EQ), Taotie_33 (EQ),

Start 20:

- Found in 2 of 7 (28.6%) of genes in pham
- Manual Annotations of this start: 1 of 5
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Doomslug_86 (F), Phayonce_56 (P5),

Summary by clusters:

There are 4 clusters represented in this pham: FL, F, EQ, P5,

Info for manual annotations of cluster EQ:

- Start number 15 was manually annotated 1 time for cluster EQ.
- Start number 16 was manually annotated 1 time for cluster EQ.

Info for manual annotations of cluster FL:

- Start number 8 was manually annotated 1 time for cluster FL.
- Start number 9 was manually annotated 1 time for cluster FL.

Info for manual annotations of cluster P5:

- Start number 20 was manually annotated 1 time for cluster P5.

Gene Information:

Gene: Divya_56 Start: 37868, Stop: 38530, Start Num: 8

Candidate Starts for Divya_56:

(5, 37754), (Start: 8 @37868 has 1 MA's), (10, 37904), (11, 37931), (18, 38036), (21, 38057), (24, 38153), (26, 38186), (32, 38270),

Gene: Doomslug_86 Start: 45997, Stop: 46560, Start Num: 20

Candidate Starts for Doomslug_86:

(4, 45676), (6, 45694), (13, 45895), (19, 45985), (Start: 20 @45997 has 1 MA's), (23, 46102), (25, 46123), (28, 46168), (29, 46177), (33, 46240), (35, 46303), (36, 46339), (37, 46429), (38, 46486), (39, 46507),

Gene: MicyPS_32 Start: 31009, Stop: 30407, Start Num: 15

Candidate Starts for MicyPS_32:

(1, 31480), (14, 31051), (Start: 15 @31009 has 1 MA's), (17, 30991),

Gene: PSonyx_35 Start: 30633, Stop: 30016, Start Num: 16

Candidate Starts for PSonyx_35:

(14, 30687), (Start: 16 @30633 has 1 MA's), (22, 30576), (31, 30378), (33, 30336),

Gene: Phayonce_56 Start: 39793, Stop: 40356, Start Num: 20

Candidate Starts for Phayonce_56:

(2, 39379), (3, 39412), (7, 39523), (13, 39691), (19, 39781), (Start: 20 @39793 has 1 MA's), (23, 39898), (25, 39919), (28, 39964), (29, 39973), (33, 40036), (35, 40099), (36, 40135), (37, 40225), (38, 40282), (39, 40303),

Gene: Taotie_33 Start: 28223, Stop: 27606, Start Num: 16

Candidate Starts for Taotie_33:

(14, 28277), (Start: 16 @28223 has 1 MA's), (22, 28166), (31, 27968), (33, 27926),

Gene: Vitus_47 Start: 34529, Stop: 35152, Start Num: 9

Candidate Starts for Vitus_47:

(Start: 9 @34529 has 1 MA's), (12, 34571), (Start: 15 @34628 has 1 MA's), (26, 34811), (27, 34817), (30, 34853), (34, 34922),