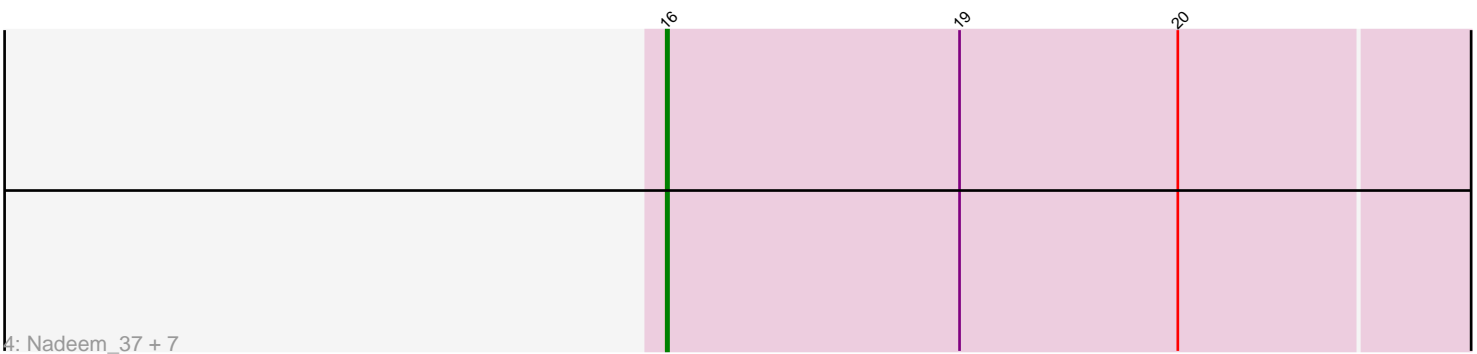
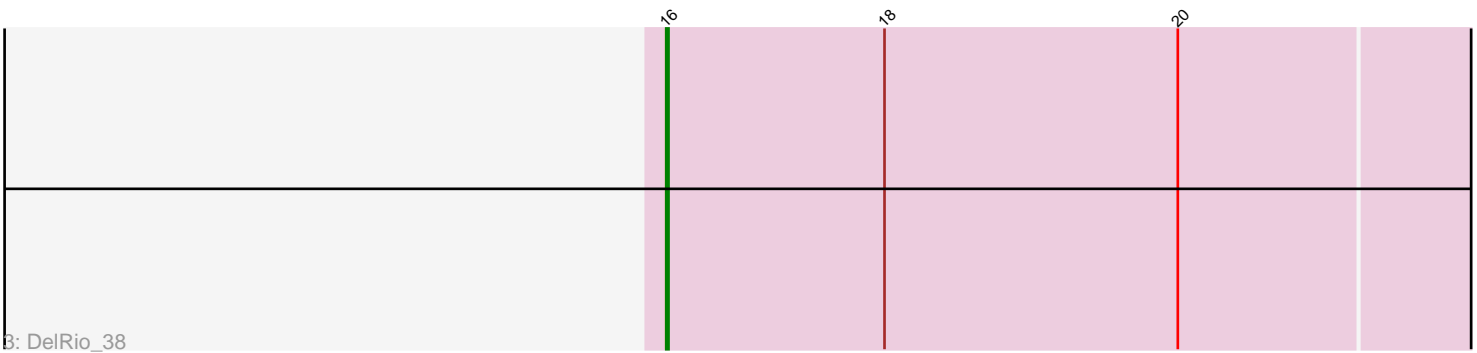
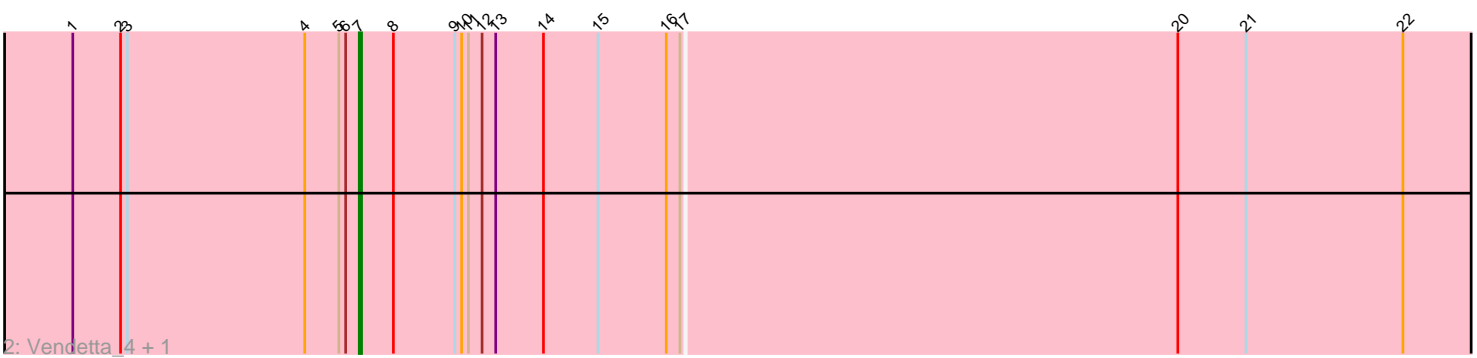
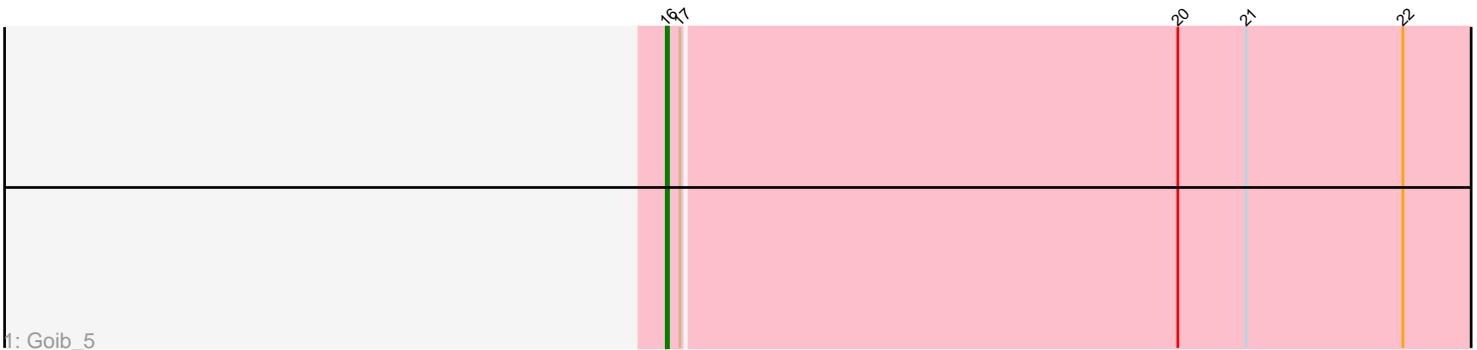


Pham 67729



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 67729 Report

This analysis was run 04/05/24 on database version 557.

Pham number 67729 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Goib_5
- Track 2 : Vendetta_4, Splinter_4
- Track 3 : DelRio_38
- Track 4 : Nadeem_37, Brylie_37, NancyRae_37, BetterKatz_37, Parada_37, Mulch_37, Pimento_37, WheatThin_37

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 9 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BetterKatz_37, Brylie_37, DelRio_38, Goib_5, Mulch_37, Nadeem_37, NancyRae_37, Parada_37, Pimento_37, WheatThin_37,

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

- Splinter_4, Vendetta_4,

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

•

Summary by start number:

Start 7:

- Found in 2 of 12 (16.7%) of genes in pham
- Manual Annotations of this start: 2 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Splinter_4 (CU1), Vendetta_4 (CU1),

Start 16:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 9 of 11
- Called 83.3% of time when present

- Phage (with cluster) where this start called: BetterKatz_37 (DI), Brylie_37 (DI), DelRio_38 (DI), Goib_5 (CU1), Mulch_37 (DI), Nadeem_37 (DI), NancyRae_37 (DI), Parada_37 (DI), Pimento_37 (DI), WheatThin_37 (DI),

Summary by clusters:

There are 2 clusters represented in this pham: CU1, DI,

Info for manual annotations of cluster CU1:

- Start number 7 was manually annotated 2 times for cluster CU1.
- Start number 16 was manually annotated 1 time for cluster CU1.

Info for manual annotations of cluster DI:

- Start number 16 was manually annotated 8 times for cluster DI.

Gene Information:

Gene: BetterKatz_37 Start: 29193, Stop: 29564, Start Num: 16

Candidate Starts for BetterKatz_37:

(Start: 16 @29193 has 9 MA's), (19, 29322), (20, 29418),

Gene: Brylie_37 Start: 28932, Stop: 29303, Start Num: 16

Candidate Starts for Brylie_37:

(Start: 16 @28932 has 9 MA's), (19, 29061), (20, 29157),

Gene: DelRio_38 Start: 30121, Stop: 30492, Start Num: 16

Candidate Starts for DelRio_38:

(Start: 16 @30121 has 9 MA's), (18, 30217), (20, 30346),

Gene: Goib_5 Start: 1953, Stop: 2309, Start Num: 16

Candidate Starts for Goib_5:

(Start: 16 @1953 has 9 MA's), (17, 1959), (20, 2175), (21, 2205), (22, 2274),

Gene: Mulch_37 Start: 28932, Stop: 29303, Start Num: 16

Candidate Starts for Mulch_37:

(Start: 16 @28932 has 9 MA's), (19, 29061), (20, 29157),

Gene: Nadeem_37 Start: 28932, Stop: 29303, Start Num: 16

Candidate Starts for Nadeem_37:

(Start: 16 @28932 has 9 MA's), (19, 29061), (20, 29157),

Gene: NancyRae_37 Start: 28941, Stop: 29312, Start Num: 16

Candidate Starts for NancyRae_37:

(Start: 16 @28941 has 9 MA's), (19, 29070), (20, 29166),

Gene: Parada_37 Start: 28932, Stop: 29303, Start Num: 16

Candidate Starts for Parada_37:

(Start: 16 @28932 has 9 MA's), (19, 29061), (20, 29157),

Gene: Pimento_37 Start: 28590, Stop: 28961, Start Num: 16

Candidate Starts for Pimento_37:

(Start: 16 @28590 has 9 MA's), (19, 28719), (20, 28815),

Gene: Splinter_4 Start: 1818, Stop: 2309, Start Num: 7

Candidate Starts for Splinter_4:

(1, 1692), (2, 1713), (3, 1716), (4, 1794), (5, 1809), (6, 1812), (Start: 7 @1818 has 2 MA's), (8, 1833), (9, 1860), (10, 1863), (11, 1866), (12, 1872), (13, 1878), (14, 1899), (15, 1923), (Start: 16 @1953 has 9 MA's), (17, 1959), (20, 2175), (21, 2205), (22, 2274),

Gene: Vendetta_4 Start: 1818, Stop: 2309, Start Num: 7

Candidate Starts for Vendetta_4:

(1, 1692), (2, 1713), (3, 1716), (4, 1794), (5, 1809), (6, 1812), (Start: 7 @1818 has 2 MA's), (8, 1833), (9, 1860), (10, 1863), (11, 1866), (12, 1872), (13, 1878), (14, 1899), (15, 1923), (Start: 16 @1953 has 9 MA's), (17, 1959), (20, 2175), (21, 2205), (22, 2274),

Gene: WheatThin_37 Start: 28932, Stop: 29303, Start Num: 16

Candidate Starts for WheatThin_37:

(Start: 16 @28932 has 9 MA's), (19, 29061), (20, 29157),