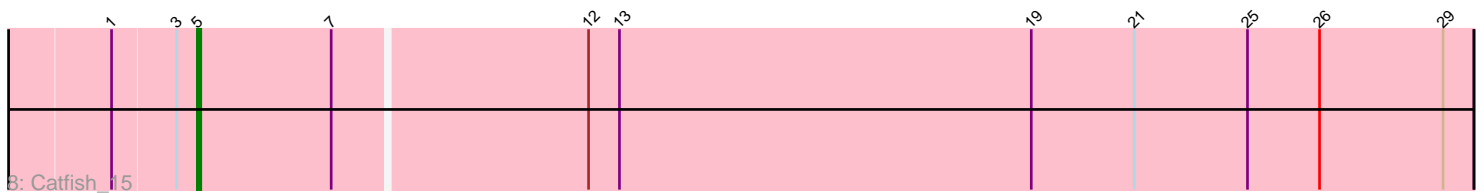
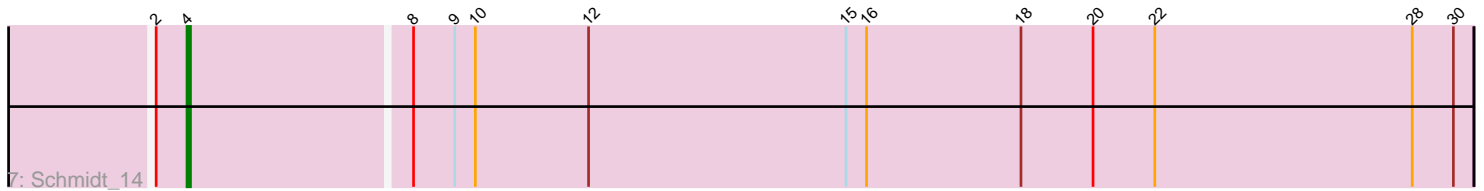
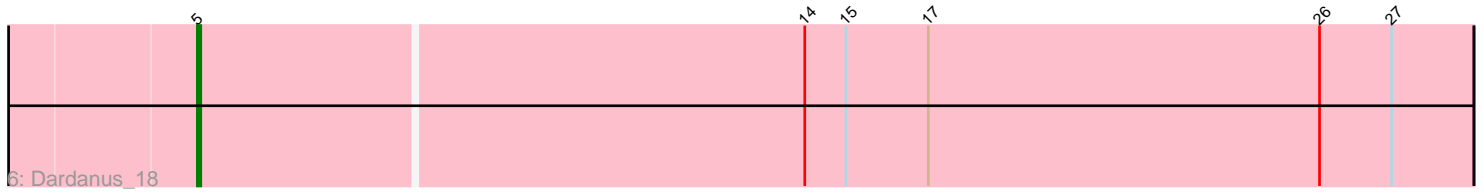
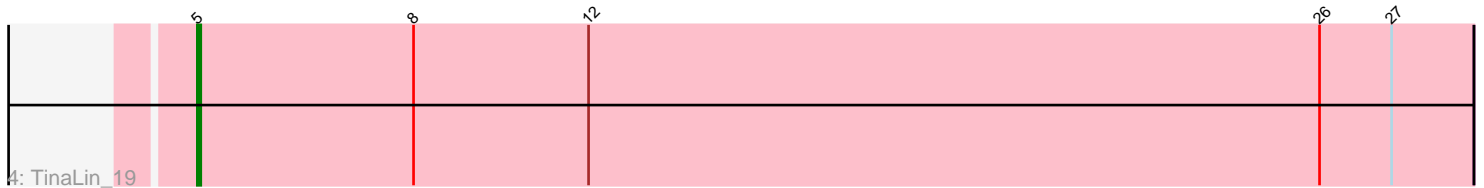
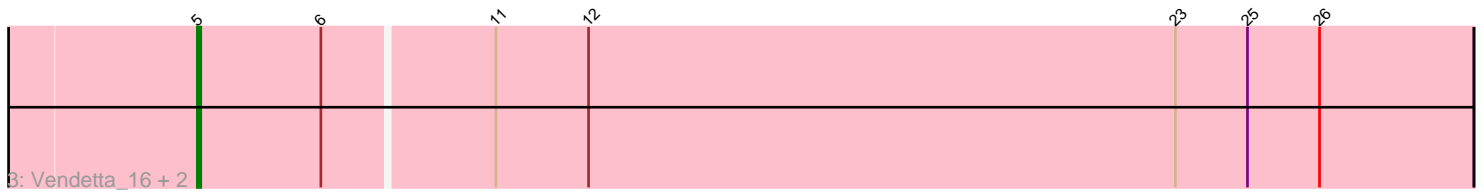
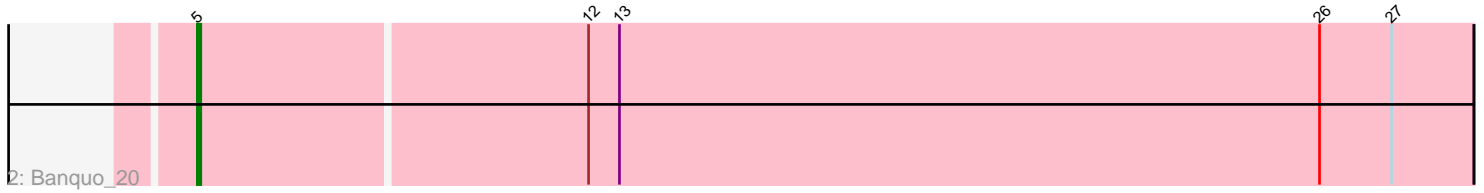
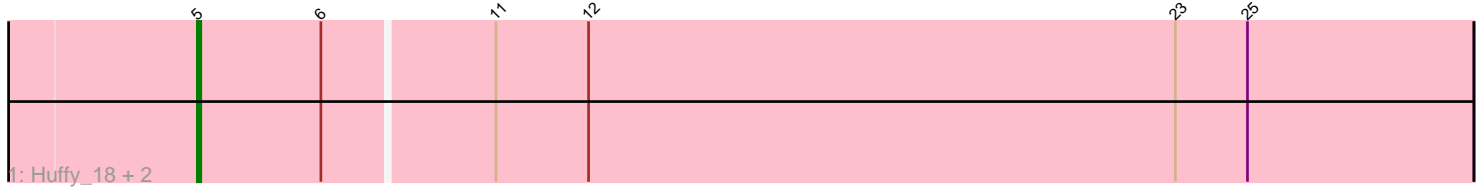


Pham 96885



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 96885 Report

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

Pham number 96885 has 12 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Huffy_18, DinoDaryn_18, TZGordon_18
- Track 2 : Banquo_20
- Track 3 : Vendetta_16, Goib_17, Splinter_16
- Track 4 : TinaLin_19
- Track 5 : Gsput1_14
- Track 6 : Dardanus_18
- Track 7 : Schmidt_14
- Track 8 : Catfish_15

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

Genes that call this "Most Annotated" start:

- Banquo_20, Catfish_15, Dardanus_18, DinoDaryn_18, Goib_17, Gsput1_14, Huffy_18, Splinter_16, TZGordon_18, TinaLin_19, Vendetta_16,

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

-

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

- Schmidt_14,

Summary by start number:

Start 4:

- Found in 1 of 12 (8.3%) of genes in pham
- Manual Annotations of this start: 1 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Schmidt_14 (CU4),

Start 5:

- Found in 11 of 12 (91.7%) of genes in pham

- Manual Annotations of this start: 10 of 11
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Banquo_20 (CU1), Catfish_15 (CU5), Dardanus_18 (CU3), DinoDaryn_18 (CU1), Goib_17 (CU1), Gspu1_14 (CU2), Huff_18 (CU1), Splinter_16 (CU1), TZGordon_18 (CU1), TinaLin_19 (CU1), Vendetta_16 (CU1),

Summary by clusters:

There are 5 clusters represented in this pham: CU5, CU4, CU3, CU2, CU1,

Info for manual annotations of cluster CU1:

- Start number 5 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 5 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 4 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 5 was manually annotated 1 time for cluster CU5.

Gene Information:

Gene: Banquo_20 Start: 11335, Stop: 11703, Start Num: 5

Candidate Starts for Banquo_20:

(Start: 5 @11335 has 10 MA's), (12, 11446), (13, 11455), (26, 11659), (27, 11680),

Gene: Catfish_15 Start: 9309, Stop: 9677, Start Num: 5

Candidate Starts for Catfish_15:

(1, 9285), (3, 9303), (Start: 5 @9309 has 10 MA's), (7, 9348), (12, 9420), (13, 9429), (19, 9549), (21, 9579), (25, 9612), (26, 9633), (29, 9669),

Gene: Dardanus_18 Start: 10378, Stop: 10746, Start Num: 5

Candidate Starts for Dardanus_18:

(Start: 5 @10378 has 10 MA's), (14, 10552), (15, 10564), (17, 10588), (26, 10702), (27, 10723),

Gene: DinoDaryn_18 Start: 10469, Stop: 10837, Start Num: 5

Candidate Starts for DinoDaryn_18:

(Start: 5 @10469 has 10 MA's), (6, 10505), (11, 10553), (12, 10580), (23, 10751), (25, 10772),

Gene: Goib_17 Start: 10244, Stop: 10612, Start Num: 5

Candidate Starts for Goib_17:

(Start: 5 @10244 has 10 MA's), (6, 10280), (11, 10328), (12, 10355), (23, 10526), (25, 10547), (26, 10568),

Gene: Gspu1_14 Start: 8688, Stop: 9059, Start Num: 5

Candidate Starts for Gspu1_14:

(Start: 5 @8688 has 10 MA's), (12, 8802), (15, 8877), (16, 8883), (22, 8967), (23, 8973), (24, 8982), (25, 8994), (26, 9015),

Gene: Huff_18 Start: 10469, Stop: 10837, Start Num: 5

Candidate Starts for Huff_18:

(Start: 5 @10469 has 10 MA's), (6, 10505), (11, 10553), (12, 10580), (23, 10751), (25, 10772),

Gene: Schmidt_14 Start: 8663, Stop: 9034, Start Num: 4

Candidate Starts for Schmidt_14:

(2, 8654), (Start: 4 @8663 has 1 MA's), (8, 8726), (9, 8738), (10, 8744), (12, 8777), (15, 8852), (16, 8858), (18, 8903), (20, 8924), (22, 8942), (28, 9017), (30, 9029),

Gene: Splinter_16 Start: 10244, Stop: 10612, Start Num: 5

Candidate Starts for Splinter_16:

(Start: 5 @10244 has 10 MA's), (6, 10280), (11, 10328), (12, 10355), (23, 10526), (25, 10547), (26, 10568),

Gene: TZGordon_18 Start: 10386, Stop: 10754, Start Num: 5

Candidate Starts for TZGordon_18:

(Start: 5 @10386 has 10 MA's), (6, 10422), (11, 10470), (12, 10497), (23, 10668), (25, 10689),

Gene: TinaLin_19 Start: 10956, Stop: 11327, Start Num: 5

Candidate Starts for TinaLin_19:

(Start: 5 @10956 has 10 MA's), (8, 11019), (12, 11070), (26, 11283), (27, 11304),

Gene: Vendetta_16 Start: 10244, Stop: 10612, Start Num: 5

Candidate Starts for Vendetta_16:

(Start: 5 @10244 has 10 MA's), (6, 10280), (11, 10328), (12, 10355), (23, 10526), (25, 10547), (26, 10568),