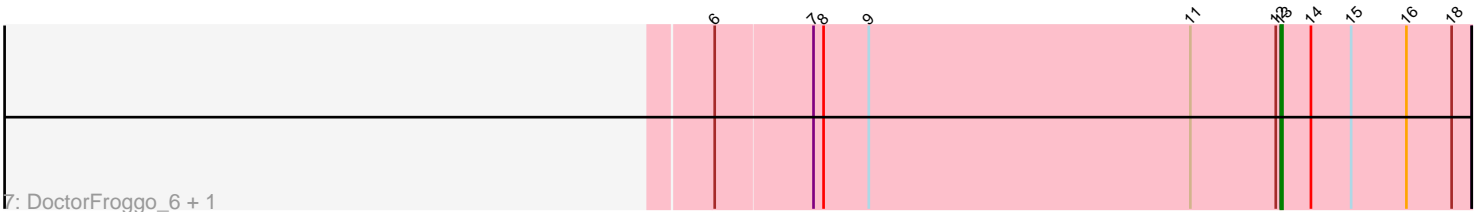
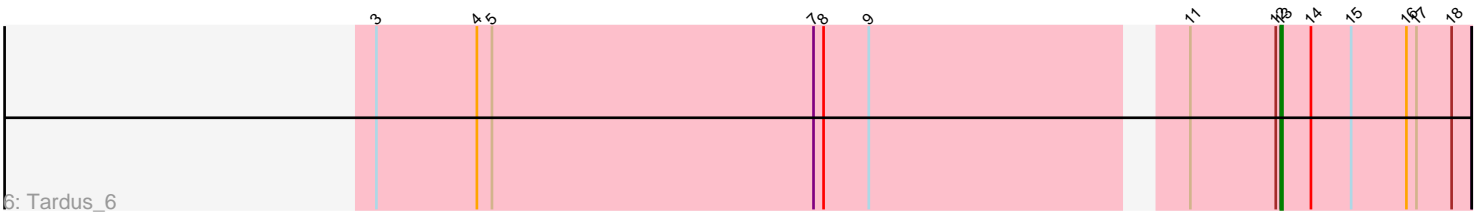
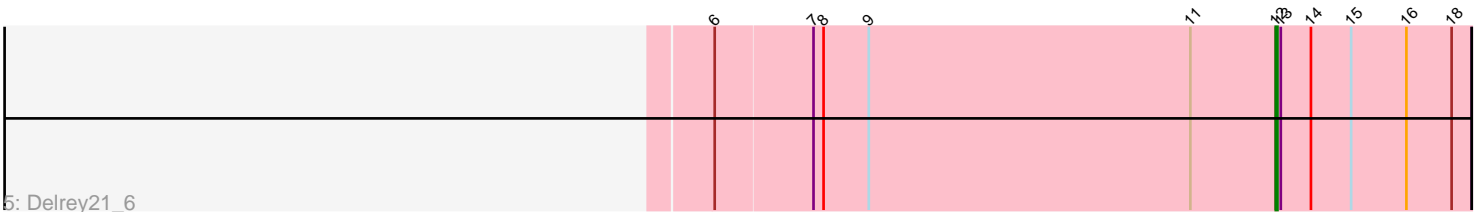
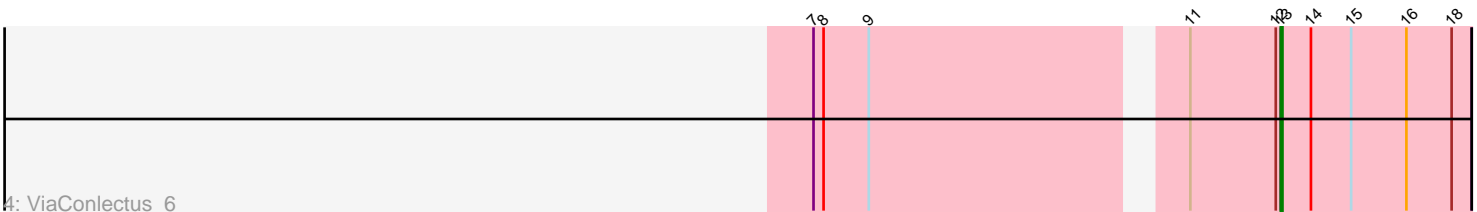
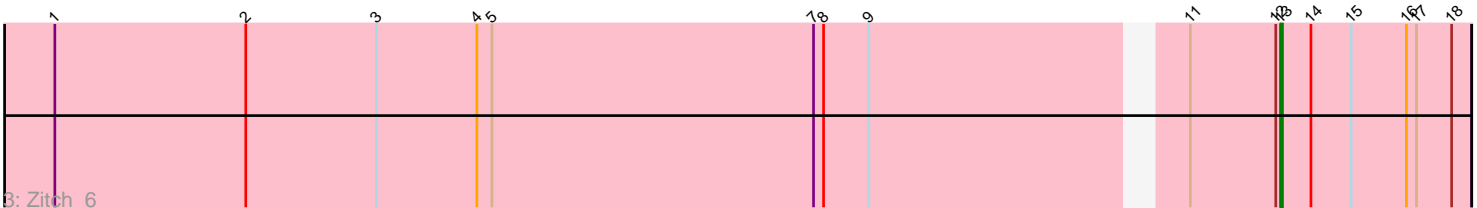
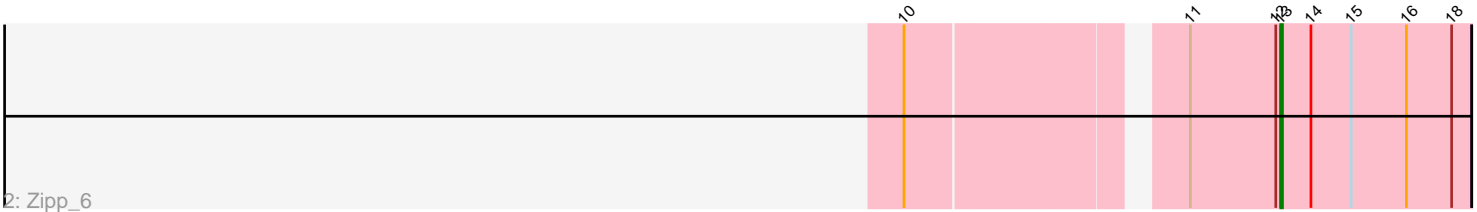
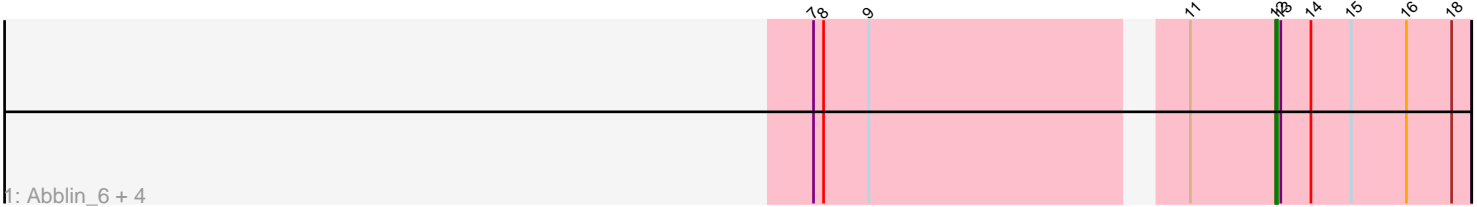


Pham 5961



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 5961 Report

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

Pham number 5961 has 12 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Abblin_6, APunk_6, Sampson_6, Scioto_6, Natkenzie_6
- Track 2 : Zipp_6
- Track 3 : Zitch_6
- Track 4 : ViaConlectus_6
- Track 5 : Delrey21_6
- Track 6 : Tardus_6
- Track 7 : DoctorFroggo_6, Verity_6

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

The start number called the most often in the published annotations is 13, it was called in 6 of the 9 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- DoctorFroggo_6, Tardus_6, Verity_6, ViaConlectus_6, Zipp_6, Zitch_6,

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

- APunk_6, Abblin_6, Delrey21_6, Natkenzie_6, Sampson_6, Scioto_6,

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

•

Summary by start number:

Start 12:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 3 of 9
- Called 50.0% of time when present
- Phage (with cluster) where this start called: APunk_6 (DE4), Abblin_6 (DE4), Delrey21_6 (DE4), Natkenzie_6 (DE4), Sampson_6 (DE4), Scioto_6 (DE4),

Start 13:

- Found in 12 of 12 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 9

- Called 50.0% of time when present
- Phage (with cluster) where this start called: DoctorFroggo_6 (DE4), Tardus_6 (DE4), Verity_6 (DE4), ViaConlectus_6 (DE4), Zipp_6 (DE4), Zitch_6 (DE4),

Summary by clusters:

There is one cluster represented in this pham: DE4

Info for manual annotations of cluster DE4:

- Start number 12 was manually annotated 3 times for cluster DE4.
- Start number 13 was manually annotated 6 times for cluster DE4.

Gene Information:

Gene: APunk_6 Start: 4480, Stop: 4596, Start Num: 12

Candidate Starts for APunk_6:

(7, 4225), (8, 4231), (9, 4258), (11, 4429), (Start: 12 @4480 has 3 MA's), (Start: 13 @4483 has 6 MA's), (14, 4501), (15, 4525), (16, 4558), (18, 4585),

Gene: Abblin_6 Start: 4480, Stop: 4596, Start Num: 12

Candidate Starts for Abblin_6:

(7, 4225), (8, 4231), (9, 4258), (11, 4429), (Start: 12 @4480 has 3 MA's), (Start: 13 @4483 has 6 MA's), (14, 4501), (15, 4525), (16, 4558), (18, 4585),

Gene: Delrey21_6 Start: 4615, Stop: 4731, Start Num: 12

Candidate Starts for Delrey21_6:

(6, 4282), (7, 4339), (8, 4345), (9, 4372), (11, 4564), (Start: 12 @4615 has 3 MA's), (Start: 13 @4618 has 6 MA's), (14, 4636), (15, 4660), (16, 4693), (18, 4720),

Gene: DoctorFroggo_6 Start: 4618, Stop: 4731, Start Num: 13

Candidate Starts for DoctorFroggo_6:

(6, 4282), (7, 4339), (8, 4345), (9, 4372), (11, 4564), (Start: 12 @4615 has 3 MA's), (Start: 13 @4618 has 6 MA's), (14, 4636), (15, 4660), (16, 4693), (18, 4720),

Gene: Natkenzie_6 Start: 4480, Stop: 4596, Start Num: 12

Candidate Starts for Natkenzie_6:

(7, 4225), (8, 4231), (9, 4258), (11, 4429), (Start: 12 @4480 has 3 MA's), (Start: 13 @4483 has 6 MA's), (14, 4501), (15, 4525), (16, 4558), (18, 4585),

Gene: Sampson_6 Start: 4480, Stop: 4596, Start Num: 12

Candidate Starts for Sampson_6:

(7, 4225), (8, 4231), (9, 4258), (11, 4429), (Start: 12 @4480 has 3 MA's), (Start: 13 @4483 has 6 MA's), (14, 4501), (15, 4525), (16, 4558), (18, 4585),

Gene: Scioto_6 Start: 4480, Stop: 4596, Start Num: 12

Candidate Starts for Scioto_6:

(7, 4225), (8, 4231), (9, 4258), (11, 4429), (Start: 12 @4480 has 3 MA's), (Start: 13 @4483 has 6 MA's), (14, 4501), (15, 4525), (16, 4558), (18, 4585),

Gene: Tardus_6 Start: 3325, Stop: 3438, Start Num: 13

Candidate Starts for Tardus_6:

(3, 2806), (4, 2866), (5, 2875), (7, 3067), (8, 3073), (9, 3100), (11, 3271), (Start: 12 @3322 has 3 MA's), (Start: 13 @3325 has 6 MA's), (14, 3343), (15, 3367), (16, 3400), (17, 3406), (18, 3427),

Gene: Verity_6 Start: 4618, Stop: 4731, Start Num: 13

Candidate Starts for Verity_6:

(6, 4282), (7, 4339), (8, 4345), (9, 4372), (11, 4564), (Start: 12 @4615 has 3 MA's), (Start: 13 @4618 has 6 MA's), (14, 4636), (15, 4660), (16, 4693), (18, 4720),

Gene: ViaConlectus_6 Start: 4483, Stop: 4596, Start Num: 13

Candidate Starts for ViaConlectus_6:

(7, 4225), (8, 4231), (9, 4258), (11, 4429), (Start: 12 @4480 has 3 MA's), (Start: 13 @4483 has 6 MA's), (14, 4501), (15, 4525), (16, 4558), (18, 4585),

Gene: Zipp_6 Start: 4766, Stop: 4879, Start Num: 13

Candidate Starts for Zipp_6:

(10, 4568), (11, 4712), (Start: 12 @4763 has 3 MA's), (Start: 13 @4766 has 6 MA's), (14, 4784), (15, 4808), (16, 4841), (18, 4868),

Gene: Zitch_6 Start: 3741, Stop: 3854, Start Num: 13

Candidate Starts for Zitch_6:

(1, 3030), (2, 3144), (3, 3222), (4, 3282), (5, 3291), (7, 3483), (8, 3489), (9, 3516), (11, 3687), (Start: 12 @3738 has 3 MA's), (Start: 13 @3741 has 6 MA's), (14, 3759), (15, 3783), (16, 3816), (17, 3822), (18, 3843),