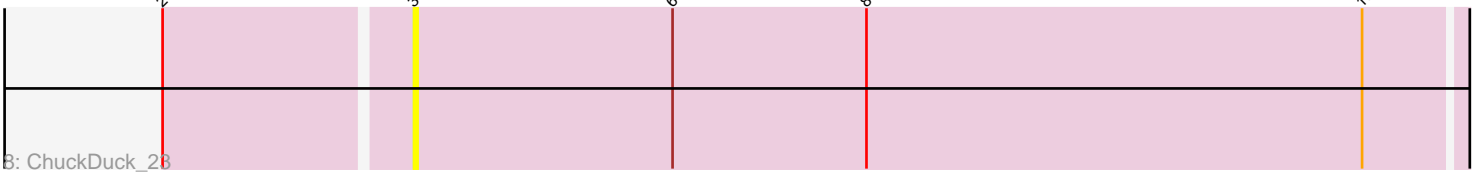
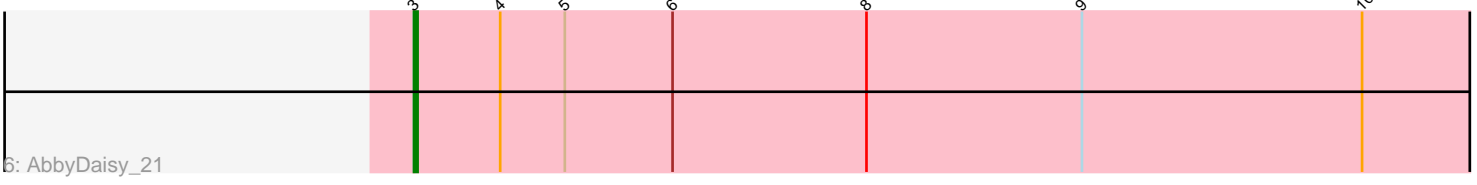
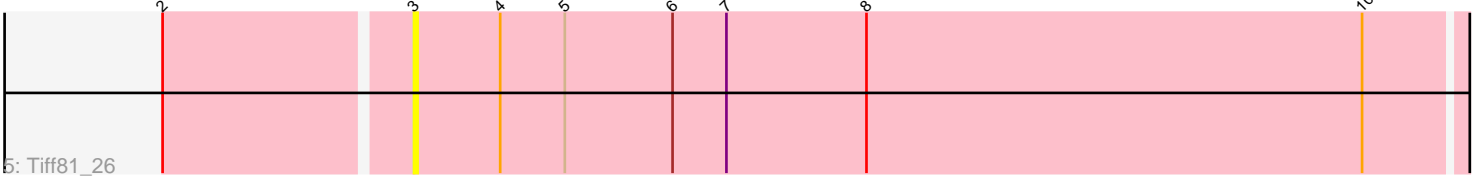
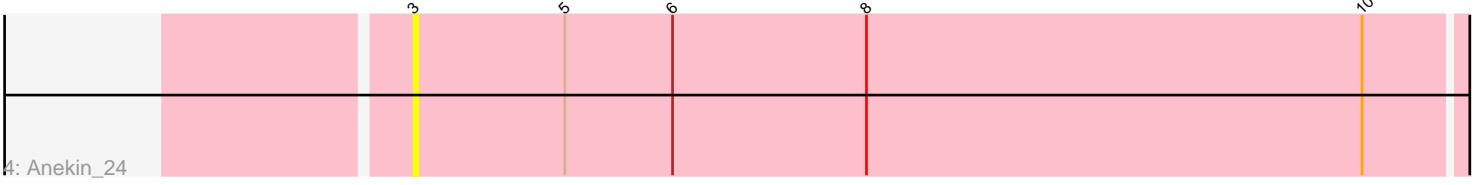
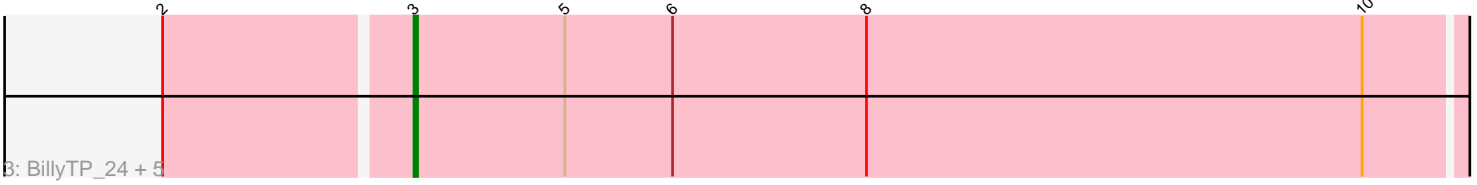
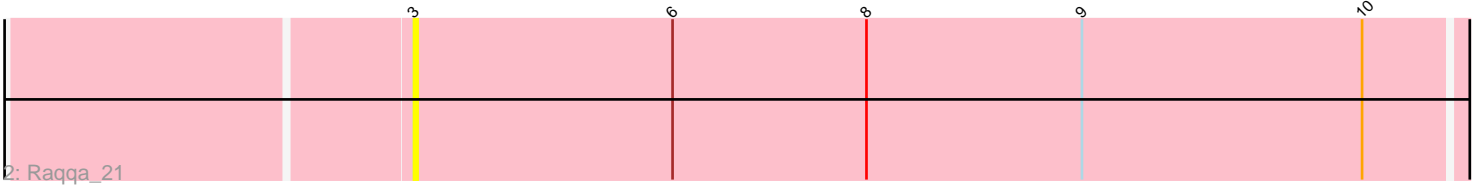


Pham 8171



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 8171 Report

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

Pham number 8171 has 14 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Seahorse_25, Hestia_24
- Track 2 : Raqqa_21
- Track 3 : BillyTP_24, Raphaella_25, Phrank15_24, Sakai_24, Gorpy_24, Isolde_24
- Track 4 : Anekin_24
- Track 5 : Tiff81_26
- Track 6 : AbbyDaisy_21
- Track 7 : RootBeer_19
- Track 8 : ChuckDuck_23

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

The start number called the most often in the published annotations is 3, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbyDaisy_21, Anekin_24, BillyTP_24, ChuckDuck_23, Gorpy_24, Hestia_24, Isolde_24, Phrank15_24, Raphaella_25, Raqqa_21, Sakai_24, Seahorse_25, Tiff81_26,

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

- RootBeer_19,

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

-

Summary by start number:

Start 3:

- Found in 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 92.9% of time when present
- Phage (with cluster) where this start called: AbbyDaisy_21 (AY), Anekin_24 (AY), BillyTP_24 (AY), ChuckDuck_23 (FA), Gorpy_24 (AY), Hestia_24 (AY), Isolde_24 (AY), Phrank15_24 (AY), Raphaella_25 (AY), Raqqa_21 (AY), Sakai_24 (AY),

Seahorse_25 (AY), Tiff81_26 (AY),

Start 4:

- Found in 5 of 14 (35.7%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: RootBeer_19 (FA),

Summary by clusters:

There are 2 clusters represented in this pham: AY, FA,

Info for manual annotations of cluster AY:

- Start number 3 was manually annotated 6 times for cluster AY.

Gene Information:

Gene: AbbyDaisy_21 Start: 17518, Stop: 17847, Start Num: 3

Candidate Starts for AbbyDaisy_21:

(Start: 3 @17518 has 6 MA's), (4, 17542), (5, 17560), (6, 17590), (8, 17644), (9, 17704), (10, 17782),

Gene: Anekin_24 Start: 18525, Stop: 18851, Start Num: 3

Candidate Starts for Anekin_24:

(Start: 3 @18525 has 6 MA's), (5, 18567), (6, 18597), (8, 18651), (10, 18789),

Gene: BillyTP_24 Start: 18346, Stop: 18672, Start Num: 3

Candidate Starts for BillyTP_24:

(2, 18280), (Start: 3 @18346 has 6 MA's), (5, 18388), (6, 18418), (8, 18472), (10, 18610),

Gene: ChuckDuck_23 Start: 18463, Stop: 18789, Start Num: 3

Candidate Starts for ChuckDuck_23:

(2, 18397), (Start: 3 @18463 has 6 MA's), (6, 18535), (8, 18589), (10, 18727),

Gene: Gorpy_24 Start: 18571, Stop: 18897, Start Num: 3

Candidate Starts for Gorpy_24:

(2, 18505), (Start: 3 @18571 has 6 MA's), (5, 18613), (6, 18643), (8, 18697), (10, 18835),

Gene: Hestia_24 Start: 18740, Stop: 19066, Start Num: 3

Candidate Starts for Hestia_24:

(2, 18674), (Start: 3 @18740 has 6 MA's), (4, 18764), (5, 18782), (6, 18812), (8, 18866), (10, 19004),

Gene: Isolde_24 Start: 18397, Stop: 18723, Start Num: 3

Candidate Starts for Isolde_24:

(2, 18331), (Start: 3 @18397 has 6 MA's), (5, 18439), (6, 18469), (8, 18523), (10, 18661),

Gene: Phrank15_24 Start: 18496, Stop: 18822, Start Num: 3

Candidate Starts for Phrank15_24:

(2, 18430), (Start: 3 @18496 has 6 MA's), (5, 18538), (6, 18568), (8, 18622), (10, 18760),

Gene: Raphaella_25 Start: 18562, Stop: 18888, Start Num: 3

Candidate Starts for Raphaella_25:

(2, 18496), (Start: 3 @18562 has 6 MA's), (5, 18604), (6, 18634), (8, 18688), (10, 18826),

Gene: Raqqa_21 Start: 17814, Stop: 18140, Start Num: 3

Candidate Starts for Raqqa_21:

(Start: 3 @17814 has 6 MA's), (6, 17886), (8, 17940), (9, 18000), (10, 18078),

Gene: RootBeer_19 Start: 16195, Stop: 16497, Start Num: 4

Candidate Starts for RootBeer_19:

(1, 16087), (Start: 3 @16171 has 6 MA's), (4, 16195), (9, 16357), (10, 16435),

Gene: Sakai_24 Start: 18571, Stop: 18897, Start Num: 3

Candidate Starts for Sakai_24:

(2, 18505), (Start: 3 @18571 has 6 MA's), (5, 18613), (6, 18643), (8, 18697), (10, 18835),

Gene: Seahorse_25 Start: 18926, Stop: 19252, Start Num: 3

Candidate Starts for Seahorse_25:

(2, 18860), (Start: 3 @18926 has 6 MA's), (4, 18950), (5, 18968), (6, 18998), (8, 19052), (10, 19190),

Gene: Tiff81_26 Start: 18654, Stop: 18980, Start Num: 3

Candidate Starts for Tiff81_26:

(2, 18588), (Start: 3 @18654 has 6 MA's), (4, 18678), (5, 18696), (6, 18726), (7, 18741), (8, 18780),
(10, 18918),