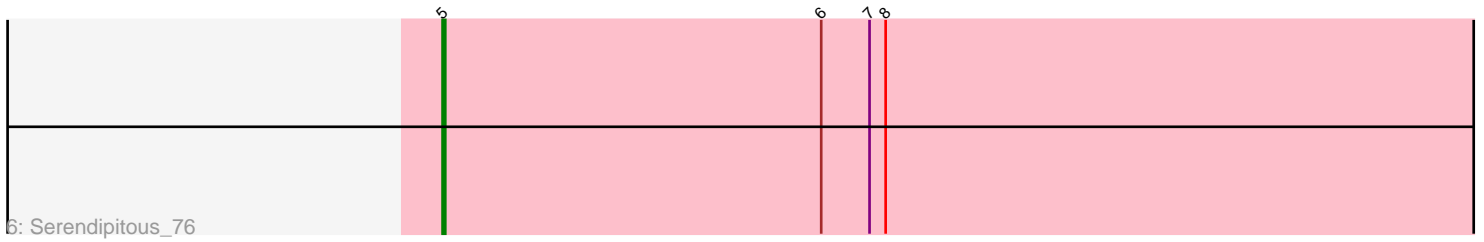
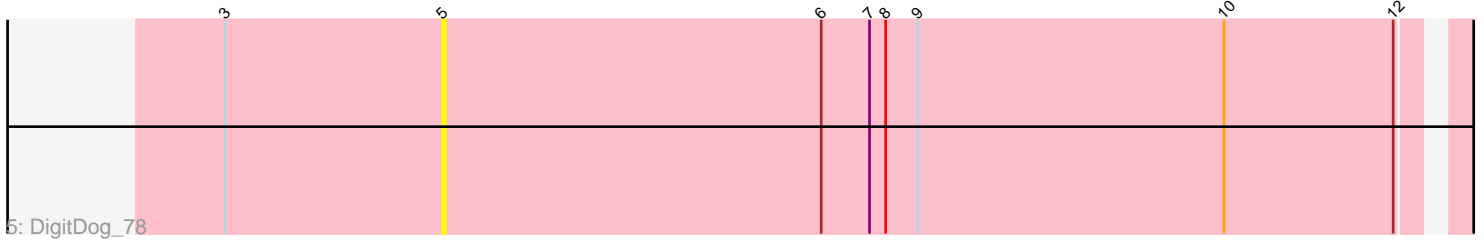
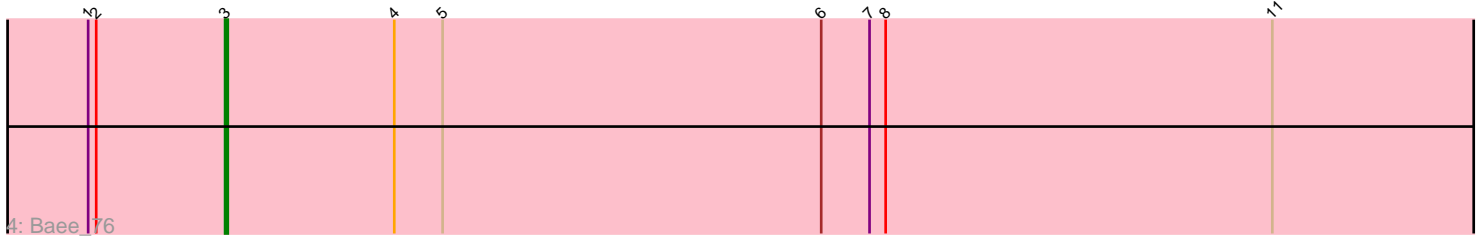
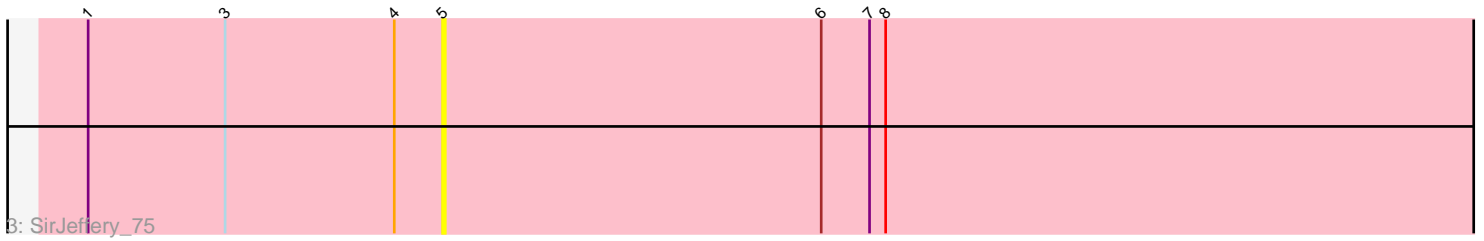
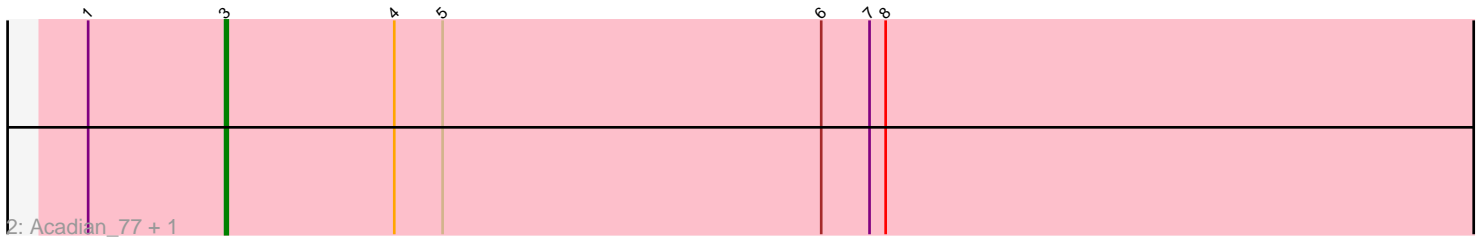
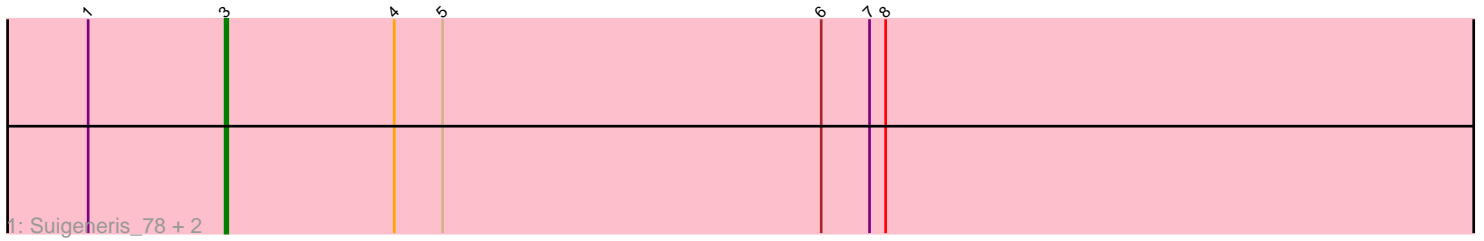


Pham 197092



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 197092 Report

This analysis was run 12/09/24 on database version 580.

Pham number 197092 has 9 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Suigeneris_78, Rich_75, Donny_78
- Track 2 : Acadian_77, EastView9101_76
- Track 3 : SirJeffery_75
- Track 4 : Bae_76
- Track 5 : DigitDog_78
- Track 6 : Serendipitous_76

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 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acadian_77, Bae_76, Donny_78, EastView9101_76, Rich_75, Suigeneris_78,

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

- DigitDog_78, SirJeffery_75,

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

- Serendipitous_76,

Summary by start number:

Start 3:

- Found in 8 of 9 (88.9%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Acadian_77 (B5), Bae_76 (B5), Donny_78 (B5), EastView9101_76 (B5), Rich_75 (B5), Suigeneris_78 (B5),

Start 5:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 33.3% of time when present

- Phage (with cluster) where this start called: DigitDog_78 (B5), Serendipitous_76 (B5), SirJeffery_75 (B5),

Summary by clusters:

There is one cluster represented in this pham: B5

Info for manual annotations of cluster B5:

- Start number 3 was manually annotated 6 times for cluster B5.
- Start number 5 was manually annotated 1 time for cluster B5.

Gene Information:

Gene: Acadian_77 Start: 62254, Stop: 61766, Start Num: 3

Candidate Starts for Acadian_77:

(1, 62305), (Start: 3 @62254 has 6 MA's), (4, 62191), (Start: 5 @62173 has 1 MA's), (6, 62032), (7, 62014), (8, 62008),

Gene: Bae_76 Start: 62953, Stop: 62465, Start Num: 3

Candidate Starts for Bae_76:

(1, 63004), (2, 63001), (Start: 3 @62953 has 6 MA's), (4, 62890), (Start: 5 @62872 has 1 MA's), (6, 62731), (7, 62713), (8, 62707), (11, 62563),

Gene: DigitDog_78 Start: 62457, Stop: 62062, Start Num: 5

Candidate Starts for DigitDog_78:

(Start: 3 @62538 has 6 MA's), (Start: 5 @62457 has 1 MA's), (6, 62316), (7, 62298), (8, 62292), (9, 62280), (10, 62166), (12, 62103),

Gene: Donny_78 Start: 62294, Stop: 61806, Start Num: 3

Candidate Starts for Donny_78:

(1, 62345), (Start: 3 @62294 has 6 MA's), (4, 62231), (Start: 5 @62213 has 1 MA's), (6, 62072), (7, 62054), (8, 62048),

Gene: EastView9101_76 Start: 61998, Stop: 61510, Start Num: 3

Candidate Starts for EastView9101_76:

(1, 62049), (Start: 3 @61998 has 6 MA's), (4, 61935), (Start: 5 @61917 has 1 MA's), (6, 61776), (7, 61758), (8, 61752),

Gene: Rich_75 Start: 62998, Stop: 62510, Start Num: 3

Candidate Starts for Rich_75:

(1, 63049), (Start: 3 @62998 has 6 MA's), (4, 62935), (Start: 5 @62917 has 1 MA's), (6, 62776), (7, 62758), (8, 62752),

Gene: Serendipitous_76 Start: 61875, Stop: 61468, Start Num: 5

Candidate Starts for Serendipitous_76:

(Start: 5 @61875 has 1 MA's), (6, 61734), (7, 61716), (8, 61710),

Gene: SirJeffery_75 Start: 61957, Stop: 61550, Start Num: 5

Candidate Starts for SirJeffery_75:

(1, 62089), (Start: 3 @62038 has 6 MA's), (4, 61975), (Start: 5 @61957 has 1 MA's), (6, 61816), (7, 61798), (8, 61792),

Gene: Suigeneris_78 Start: 62476, Stop: 61988, Start Num: 3

Candidate Starts for Suigeneris_78:

(1, 62527), (Start: 3 @62476 has 6 MA's), (4, 62413), (Start: 5 @62395 has 1 MA's), (6, 62254), (7, 62236), (8, 62230),