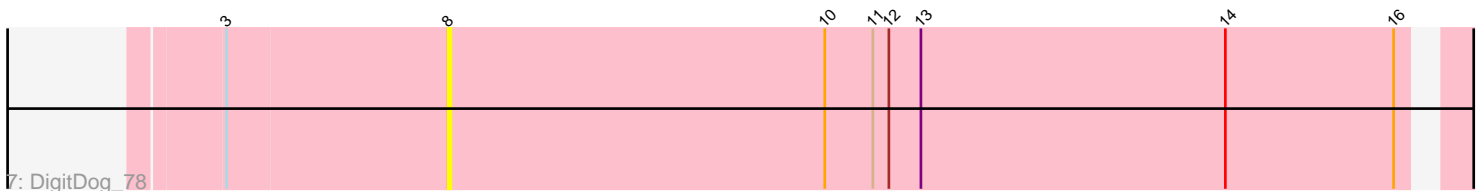
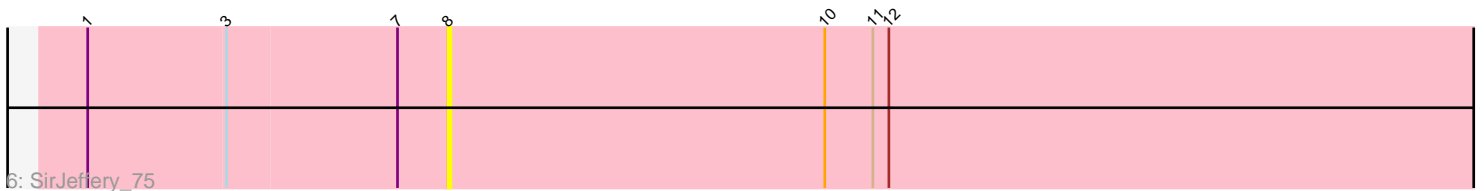
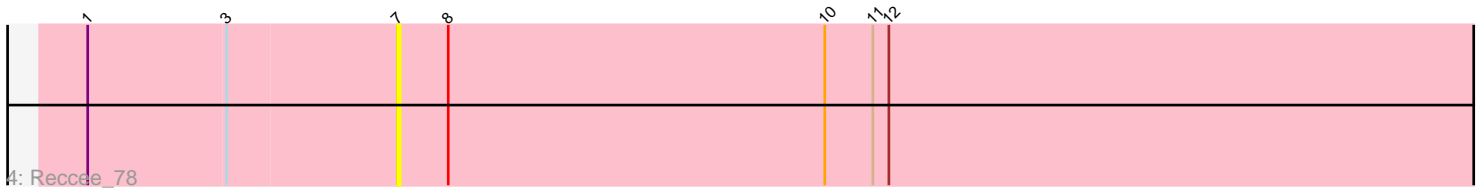
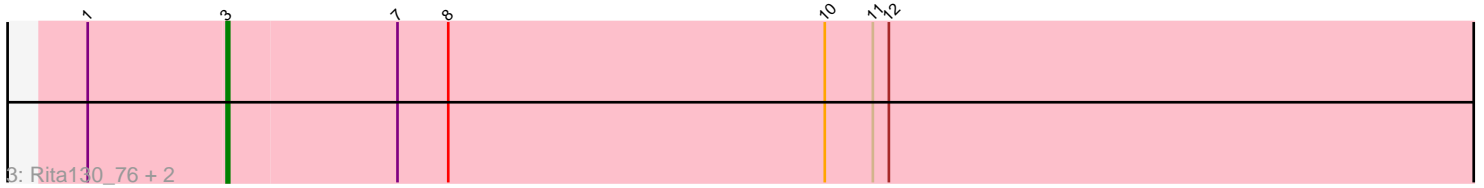
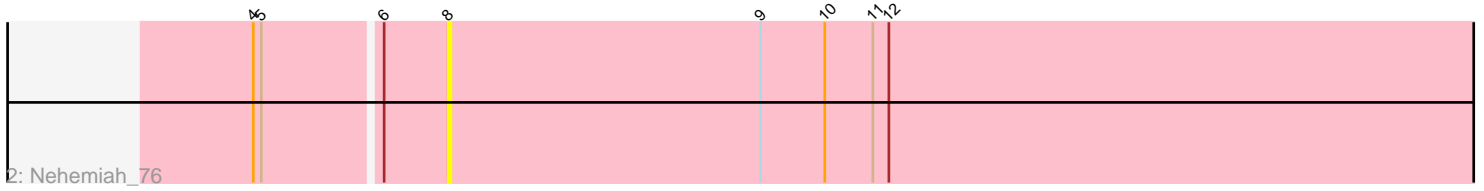


Pham 293310



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 293310 Report

This analysis was run 04/18/26 on database version 643.

Pham number 293310 has 12 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Suigeneris\_78, Rich\_75, Donny\_78
- Track 2 : Nehemiah\_76
- Track 3 : Rita130\_76, Acadian\_77, EastView9101\_76
- Track 4 : Reccee\_78
- Track 5 : Bae\_76
- Track 6 : SirJeffery\_75
- Track 7 : DigitDog\_78
- Track 8 : 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, Rita130\_76, Suigeneris\_78,

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

- DigitDog\_78, Reccee\_78, SirJeffery\_75,

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

- Nehemiah\_76, Serendipitous\_76,

### **Summary by start number:**

Start 3:

- Found in 10 of 12 ( 83.3% ) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 70.0% 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), Rita130\_76 (B5), Suigeneris\_78 (B5),

Start 7:

- Found in 9 of 12 ( 75.0% ) of genes in pham
- No Manual Annotations of this start.
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Reccee\_78 (B5),

Start 8:

- Found in 12 of 12 ( 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), Nehemiah\_76 (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 8 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), (7, 62191), (Start: 8 @62173 has 1 MA's), (10, 62032), (11, 62014), (12, 62008),

Gene: Baee\_76 Start: 62953, Stop: 62465, Start Num: 3

Candidate Starts for Baee\_76:

(1, 63004), (2, 63001), (Start: 3 @62953 has 6 MA's), (7, 62890), (Start: 8 @62872 has 1 MA's), (10, 62731), (11, 62713), (12, 62707), (15, 62563),

Gene: DigitDog\_78 Start: 62457, Stop: 62062, Start Num: 8

Candidate Starts for DigitDog\_78:

(Start: 3 @62538 has 6 MA's), (Start: 8 @62457 has 1 MA's), (10, 62316), (11, 62298), (12, 62292), (13, 62280), (14, 62166), (16, 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), (7, 62231), (Start: 8 @62213 has 1 MA's), (10, 62072), (11, 62054), (12, 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), (7, 61935), (Start: 8 @61917 has 1 MA's), (10, 61776), (11, 61758), (12, 61752),

Gene: Nehemiah\_76 Start: 62221, Stop: 61826, Start Num: 8

Candidate Starts for Nehemiah\_76:

(4, 62290), (5, 62287), (6, 62245), (Start: 8 @62221 has 1 MA's), (9, 62104), (10, 62080), (11, 62062), (12, 62056),

Gene: Reccee\_78 Start: 62495, Stop: 62070, Start Num: 7

Candidate Starts for Reccee\_78:

(1, 62609), (Start: 3 @62558 has 6 MA's), (7, 62495), (Start: 8 @62477 has 1 MA's), (10, 62336), (11, 62318), (12, 62312),

Gene: Rich\_75 Start: 62998, Stop: 62510, Start Num: 3

Candidate Starts for Rich\_75:

(1, 63049), (Start: 3 @62998 has 6 MA's), (7, 62935), (Start: 8 @62917 has 1 MA's), (10, 62776), (11, 62758), (12, 62752),

Gene: Rita130\_76 Start: 62228, Stop: 61740, Start Num: 3

Candidate Starts for Rita130\_76:

(1, 62279), (Start: 3 @62228 has 6 MA's), (7, 62165), (Start: 8 @62147 has 1 MA's), (10, 62006), (11, 61988), (12, 61982),

Gene: Serendipitous\_76 Start: 61875, Stop: 61468, Start Num: 8

Candidate Starts for Serendipitous\_76:

(Start: 8 @61875 has 1 MA's), (10, 61734), (11, 61716), (12, 61710),

Gene: SirJeffery\_75 Start: 61957, Stop: 61550, Start Num: 8

Candidate Starts for SirJeffery\_75:

(1, 62089), (Start: 3 @62038 has 6 MA's), (7, 61975), (Start: 8 @61957 has 1 MA's), (10, 61816), (11, 61798), (12, 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), (7, 62413), (Start: 8 @62395 has 1 MA's), (10, 62254), (11, 62236), (12, 62230),