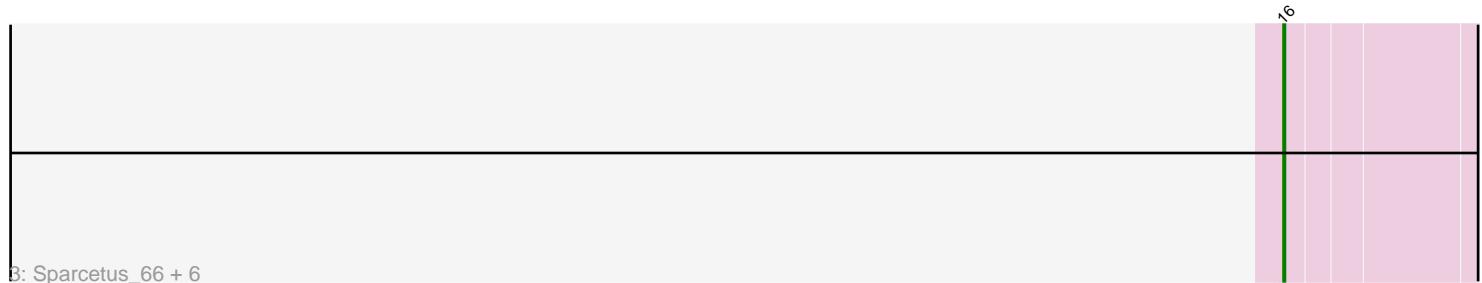
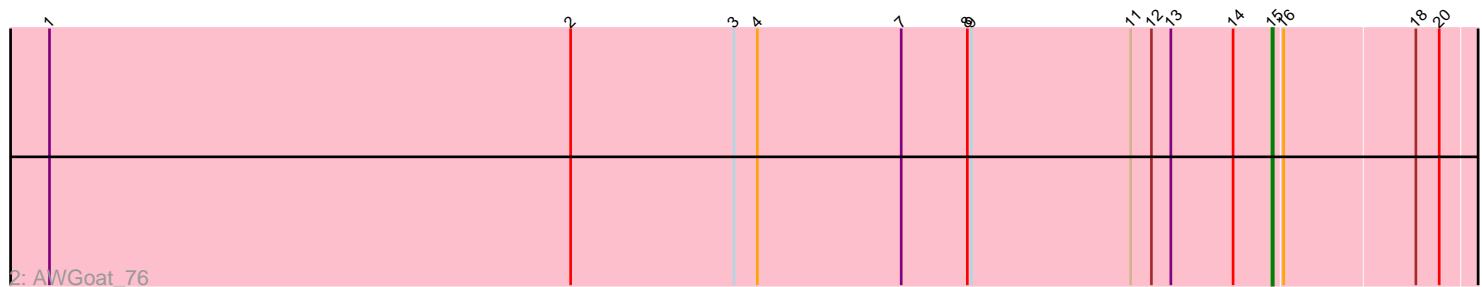
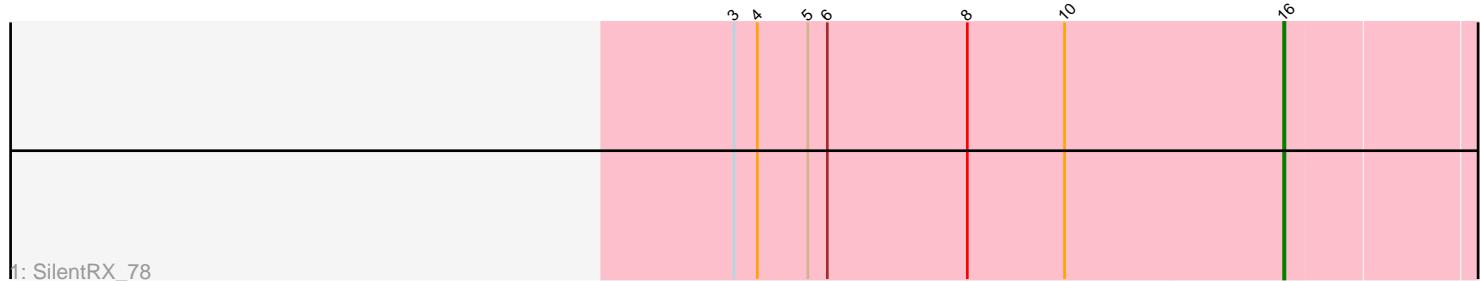


Pham 281092



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 281092 Report

This analysis was run 02/07/26 on database version 634.

Pham number 281092 has 11 members, 1 are drafts.

Phages represented in each track:

- Track 1 : SilentRX\_78
- Track 2 : AWGoat\_76
- Track 3 : Sparcetus\_66, Ajin\_66, Kors\_66, LordBart\_66, Bramble\_66, RikSengupta\_66, TinyMiny\_66
- Track 4 : FloraSnap32\_187
- Track 5 : Cantare\_96

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

The start number called the most often in the published annotations is 16, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ajin\_66, Bramble\_66, Cantare\_96, FloraSnap32\_187, Kors\_66, LordBart\_66, RikSengupta\_66, SilentRX\_78, Sparcetus\_66, TinyMiny\_66,

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

- AWGoat\_76,

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

- 

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

Start 15:

- Found in 1 of 11 ( 9.1% ) of genes in pham
- Manual Annotations of this start: 1 of 10
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AWGoat\_76 (AP4),

Start 16:

- Found in 11 of 11 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 9 of 10
- Called 90.9% of time when present

- Phage (with cluster) where this start called: Ajin\_66 (EF), Bramble\_66 (EF), Cantare\_96 (singleton), FloraSnap32\_187 (FC), Kors\_66 (EF), LordBart\_66 (EF), RikSengupta\_66 (EF), SilentRX\_78 (AP4), Sparcetus\_66 (EF), TinyMiny\_66 (EF),

### **Summary by clusters:**

There are 4 clusters represented in this pham: FC, singleton, EF, AP4,

Info for manual annotations of cluster AP4:

- Start number 15 was manually annotated 1 time for cluster AP4.
- Start number 16 was manually annotated 1 time for cluster AP4.

Info for manual annotations of cluster EF:

- Start number 16 was manually annotated 7 times for cluster EF.

### **Gene Information:**

Gene: AWGoat\_76 Start: 52731, Stop: 52567, Start Num: 15

Candidate Starts for AWGoat\_76:

(1, 53673), (2, 53271), (3, 53145), (4, 53127), (7, 53016), (8, 52965), (9, 52962), (11, 52839), (12, 52824), (13, 52809), (14, 52761), (Start: 15 @52731 has 1 MA's), (Start: 16 @52725 has 9 MA's), (18, 52626), (20, 52608),

Gene: Ajin\_66 Start: 46096, Stop: 46248, Start Num: 16

Candidate Starts for Ajin\_66:

(Start: 16 @46096 has 9 MA's),

Gene: Bramble\_66 Start: 46108, Stop: 46260, Start Num: 16

Candidate Starts for Bramble\_66:

(Start: 16 @46108 has 9 MA's),

Gene: Cantare\_96 Start: 72628, Stop: 72792, Start Num: 16

Candidate Starts for Cantare\_96:

(14, 72592), (Start: 16 @72628 has 9 MA's), (17, 72706), (19, 72727),

Gene: FloraSnap32\_187 Start: 130558, Stop: 130710, Start Num: 16

Candidate Starts for FloraSnap32\_187:

(Start: 16 @130558 has 9 MA's), (19, 130654),

Gene: Kors\_66 Start: 46181, Stop: 46333, Start Num: 16

Candidate Starts for Kors\_66:

(Start: 16 @46181 has 9 MA's),

Gene: LordBart\_66 Start: 46078, Stop: 46230, Start Num: 16

Candidate Starts for LordBart\_66:

(Start: 16 @46078 has 9 MA's),

Gene: RikSengupta\_66 Start: 46209, Stop: 46361, Start Num: 16

Candidate Starts for RikSengupta\_66:

(Start: 16 @46209 has 9 MA's),

Gene: SilentRX\_78 Start: 53603, Stop: 53448, Start Num: 16

Candidate Starts for SilentRX\_78:

(3, 54026), (4, 54008), (5, 53969), (6, 53954), (8, 53846), (10, 53771), (Start: 16 @53603 has 9 MA's),

Gene: Sparcetus\_66 Start: 46086, Stop: 46238, Start Num: 16

Candidate Starts for Sparcetus\_66:

(Start: 16 @46086 has 9 MA's),

Gene: TinyMiny\_66 Start: 46114, Stop: 46266, Start Num: 16

Candidate Starts for TinyMiny\_66:

(Start: 16 @46114 has 9 MA's),