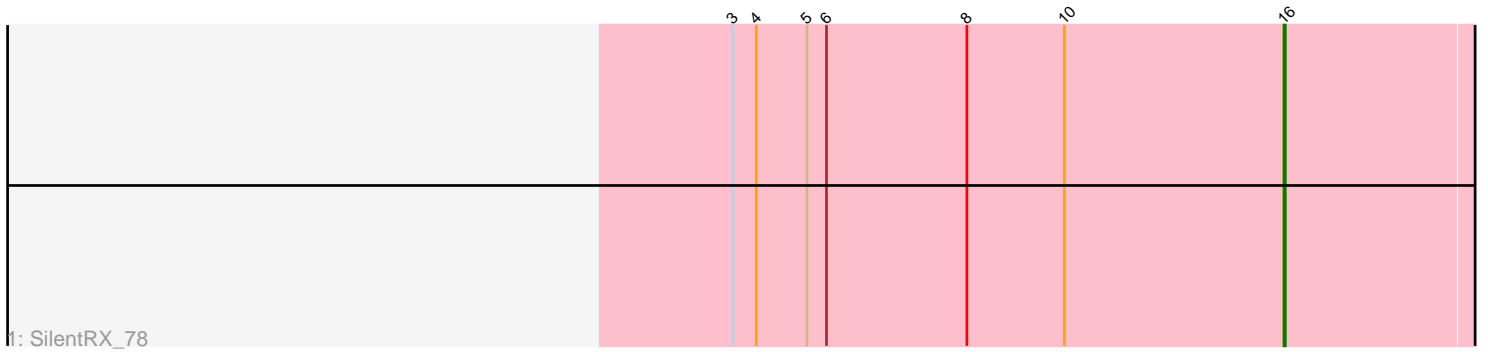
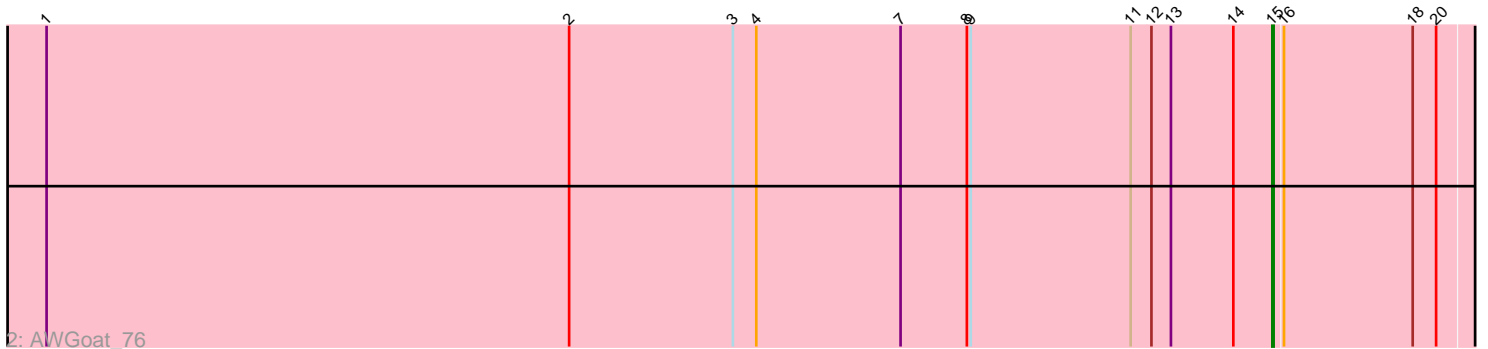


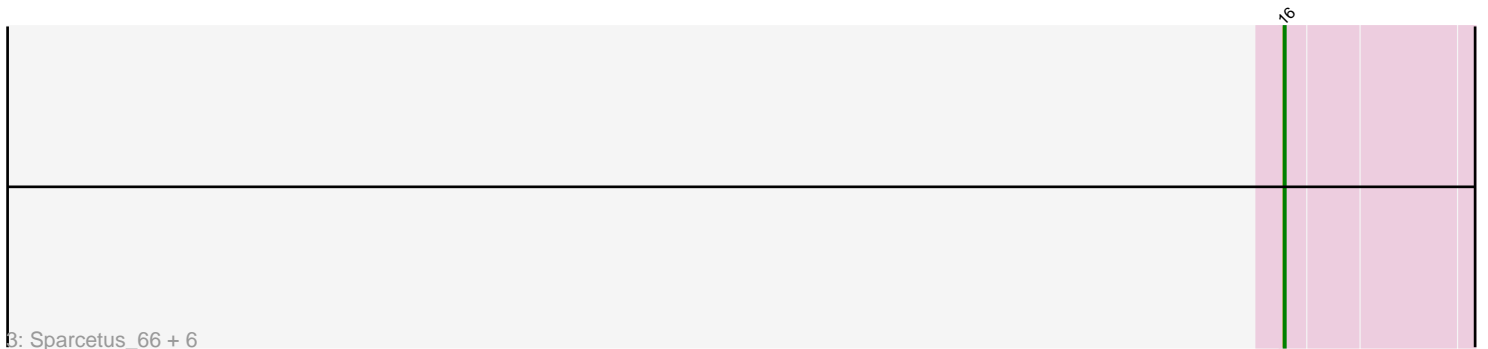
Pham 214893



1: SilentRX_78



2: AWGoat_76



3: Sparcetus_66 + 6



4: Cantare_96

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 214893 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214893 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : SilentRX_78
- Track 2 : AWGoat_76
- Track 3 : Sparcetus_66, Ajin_66, Kors_67, TinyMiny_66, LordBart_66, Bramble_67, RikSengupta_66
- Track 4 : 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 6 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ajin_66, Bramble_67, Cantare_96, Kors_67, 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 10 (10.0%) of genes in pham
- Manual Annotations of this start: 1 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AWGoat_76 (AP4),

Start 16:

- Found in 10 of 10 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 7
- Called 90.0% of time when present

- Phage (with cluster) where this start called: Ajin_66 (EF), Bramble_67 (EF), Cantare_96 (singleton), Kors_67 (EF), LordBart_66 (EF), RikSengupta_66 (EF), SilentRX_78 (AP4), Sparcetus_66 (EF), TinyMiny_66 (EF),

Summary by clusters:

There are 3 clusters represented in this pham: 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 4 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 6 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 6 MA's),

Gene: Bramble_67 Start: 46108, Stop: 46260, Start Num: 16

Candidate Starts for Bramble_67:

(Start: 16 @46108 has 6 MA's),

Gene: Cantare_96 Start: 72628, Stop: 72792, Start Num: 16

Candidate Starts for Cantare_96:

(14, 72592), (Start: 16 @72628 has 6 MA's), (17, 72706), (19, 72727),

Gene: Kors_67 Start: 46181, Stop: 46333, Start Num: 16

Candidate Starts for Kors_67:

(Start: 16 @46181 has 6 MA's),

Gene: LordBart_66 Start: 46078, Stop: 46230, Start Num: 16

Candidate Starts for LordBart_66:

(Start: 16 @46078 has 6 MA's),

Gene: RikSengupta_66 Start: 46209, Stop: 46361, Start Num: 16

Candidate Starts for RikSengupta_66:

(Start: 16 @46209 has 6 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 6 MA's),

Gene: Sparcetus_66 Start: 46086, Stop: 46238, Start Num: 16
Candidate Starts for Sparcetus_66:
(Start: 16 @46086 has 6 MA's),

Gene: TinyMiny_66 Start: 46114, Stop: 46266, Start Num: 16
Candidate Starts for TinyMiny_66:
(Start: 16 @46114 has 6 MA's),