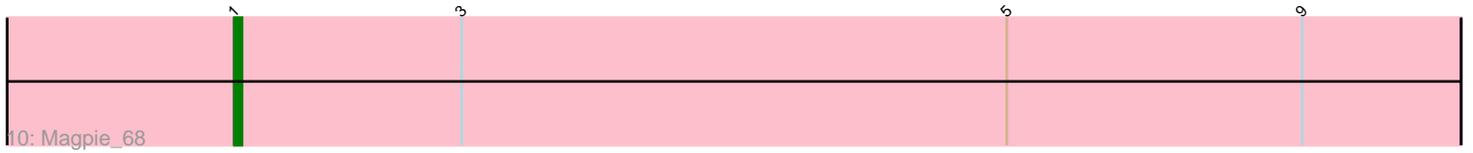
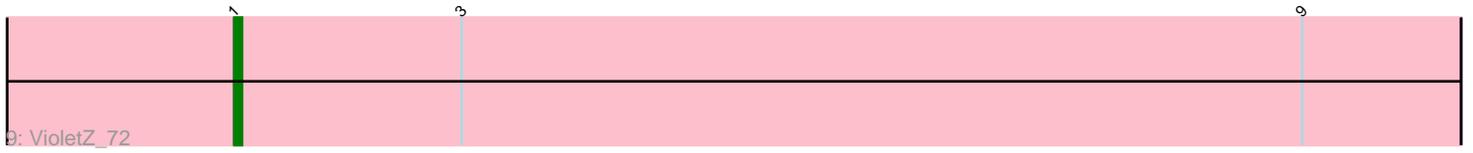
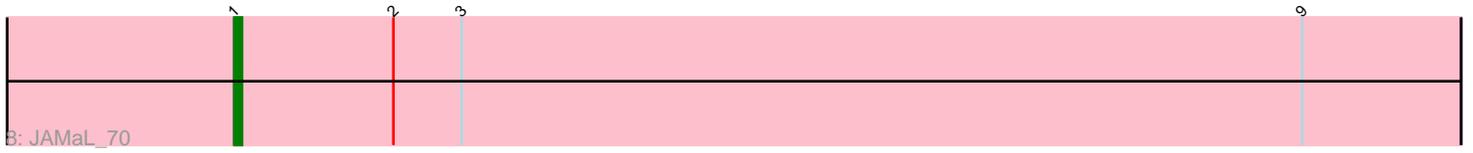
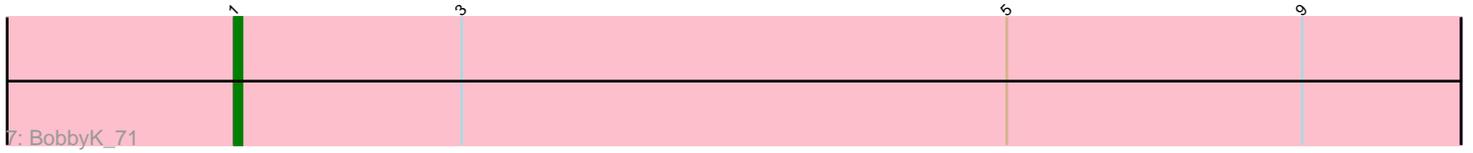
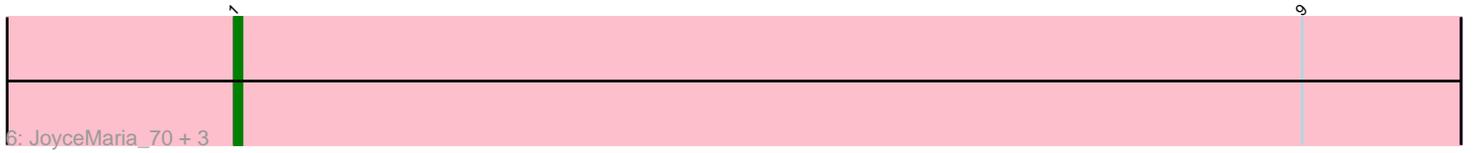
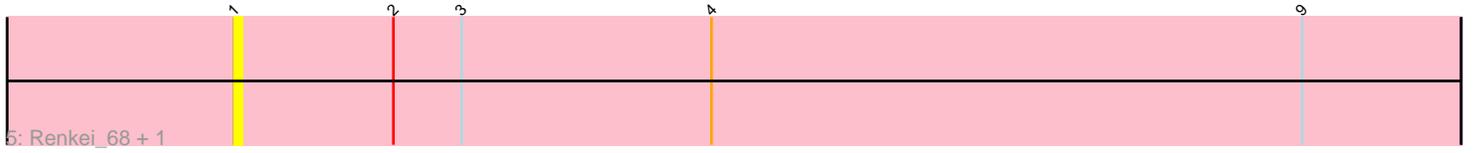
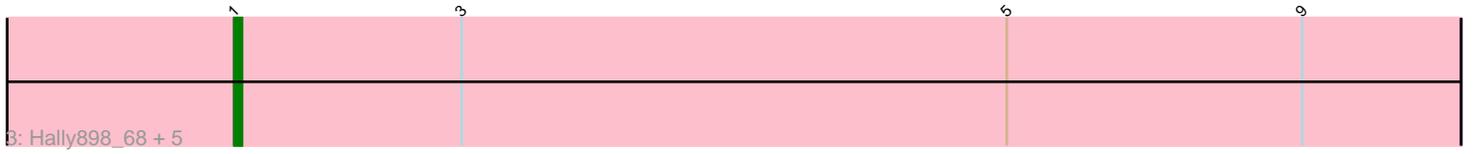
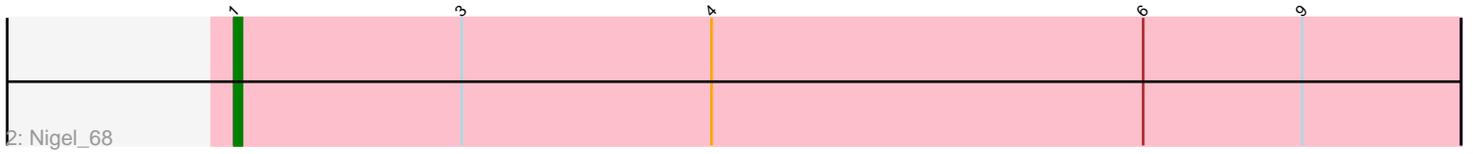


Pham 289765



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 289765 Report

This analysis was run 03/28/26 on database version 641.

Pham number 289765 has 21 members, 10 are drafts.

Phages represented in each track:

- Track 1 : GinPorsche\_70, Antihero\_68, Epah\_68
- Track 2 : Nigel\_68
- Track 3 : Hally898\_68, Lambano\_68, Poster\_68, ChrisnMich\_70, Ahwei\_68, Nanao\_69
- Track 4 : Prince\_69
- Track 5 : Renkei\_68, LittleDigger\_68
- Track 6 : JoyceMaria\_70, Mudslide\_70, Apex\_71, Austelle\_70
- Track 7 : BobbyK\_71
- Track 8 : JAMaL\_70
- Track 9 : VioletZ\_72
- Track 10 : Magpie\_68

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

The start number called the most often in the published annotations is 1, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ahwei\_68, Antihero\_68, Apex\_71, Austelle\_70, BobbyK\_71, ChrisnMich\_70, Epah\_68, GinPorsche\_70, Hally898\_68, JAMaL\_70, JoyceMaria\_70, Lambano\_68, LittleDigger\_68, Magpie\_68, Mudslide\_70, Nanao\_69, Nigel\_68, Poster\_68, Prince\_69, Renkei\_68, VioletZ\_72,

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

- 

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

- 

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

Start 1:

- Found in 21 of 21 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 11 of 11

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ahwei\_68 (B4), Antihero\_68 (B4), Apex\_71 (B4), Austelle\_70 (B4), BobbyK\_71 (B4), ChrisnMich\_70 (B4), Epah\_68 (B4), GinPorsche\_70 (B4), Hally898\_68 (B4), JAMaL\_70 (B4), JoyceMaria\_70 (B4), Lambano\_68 (B4), LittleDigger\_68 (B4), Maggie\_68 (B4), Mudslide\_70 (B4), Nanao\_69 (B4), Nigel\_68 (B4), Poster\_68 (B4), Prince\_69 (B4), Renkei\_68 (B4), VioletZ\_72 (B4),

### **Summary by clusters:**

There is one cluster represented in this pham: B4

Info for manual annotations of cluster B4:

- Start number 1 was manually annotated 11 times for cluster B4.

### **Gene Information:**

Gene: Ahwei\_68 Start: 59878, Stop: 60039, Start Num: 1

Candidate Starts for Ahwei\_68:

(Start: 1 @59878 has 11 MA's), (3, 59908), (5, 59980), (9, 60019),

Gene: Antihero\_68 Start: 59876, Stop: 60037, Start Num: 1

Candidate Starts for Antihero\_68:

(Start: 1 @59876 has 11 MA's), (3, 59906), (5, 59978), (7, 60002), (8, 60005), (9, 60017),

Gene: Apex\_71 Start: 60981, Stop: 61142, Start Num: 1

Candidate Starts for Apex\_71:

(Start: 1 @60981 has 11 MA's), (9, 61122),

Gene: Austelle\_70 Start: 61498, Stop: 61659, Start Num: 1

Candidate Starts for Austelle\_70:

(Start: 1 @61498 has 11 MA's), (9, 61639),

Gene: BobbyK\_71 Start: 60758, Stop: 60919, Start Num: 1

Candidate Starts for BobbyK\_71:

(Start: 1 @60758 has 11 MA's), (3, 60788), (5, 60860), (9, 60899),

Gene: ChrisnMich\_70 Start: 59860, Stop: 60021, Start Num: 1

Candidate Starts for ChrisnMich\_70:

(Start: 1 @59860 has 11 MA's), (3, 59890), (5, 59962), (9, 60001),

Gene: Epah\_68 Start: 59876, Stop: 60037, Start Num: 1

Candidate Starts for Epah\_68:

(Start: 1 @59876 has 11 MA's), (3, 59906), (5, 59978), (7, 60002), (8, 60005), (9, 60017),

Gene: GinPorsche\_70 Start: 59876, Stop: 60037, Start Num: 1

Candidate Starts for GinPorsche\_70:

(Start: 1 @59876 has 11 MA's), (3, 59906), (5, 59978), (7, 60002), (8, 60005), (9, 60017),

Gene: Hally898\_68 Start: 59891, Stop: 60052, Start Num: 1

Candidate Starts for Hally898\_68:

(Start: 1 @59891 has 11 MA's), (3, 59921), (5, 59993), (9, 60032),

Gene: JAMaL\_70 Start: 60885, Stop: 61046, Start Num: 1

Candidate Starts for JAMaL\_70:

(Start: 1 @60885 has 11 MA's), (2, 60906), (3, 60915), (9, 61026),

Gene: JoyceMaria\_70 Start: 61021, Stop: 61182, Start Num: 1

Candidate Starts for JoyceMaria\_70:

(Start: 1 @61021 has 11 MA's), (9, 61162),

Gene: Lambano\_68 Start: 59891, Stop: 60052, Start Num: 1

Candidate Starts for Lambano\_68:

(Start: 1 @59891 has 11 MA's), (3, 59921), (5, 59993), (9, 60032),

Gene: LittleDigger\_68 Start: 59816, Stop: 59977, Start Num: 1

Candidate Starts for LittleDigger\_68:

(Start: 1 @59816 has 11 MA's), (2, 59837), (3, 59846), (4, 59879), (9, 59957),

Gene: Magpie\_68 Start: 60750, Stop: 60911, Start Num: 1

Candidate Starts for Magpie\_68:

(Start: 1 @60750 has 11 MA's), (3, 60780), (5, 60852), (9, 60891),

Gene: Mudslide\_70 Start: 61083, Stop: 61244, Start Num: 1

Candidate Starts for Mudslide\_70:

(Start: 1 @61083 has 11 MA's), (9, 61224),

Gene: Nanao\_69 Start: 59881, Stop: 60042, Start Num: 1

Candidate Starts for Nanao\_69:

(Start: 1 @59881 has 11 MA's), (3, 59911), (5, 59983), (9, 60022),

Gene: Nigel\_68 Start: 59701, Stop: 59862, Start Num: 1

Candidate Starts for Nigel\_68:

(Start: 1 @59701 has 11 MA's), (3, 59731), (4, 59764), (6, 59821), (9, 59842),

Gene: Poster\_68 Start: 59882, Stop: 60043, Start Num: 1

Candidate Starts for Poster\_68:

(Start: 1 @59882 has 11 MA's), (3, 59912), (5, 59984), (9, 60023),

Gene: Prince\_69 Start: 60984, Stop: 61145, Start Num: 1

Candidate Starts for Prince\_69:

(Start: 1 @60984 has 11 MA's), (3, 61014), (9, 61125),

Gene: Renkei\_68 Start: 59810, Stop: 59971, Start Num: 1

Candidate Starts for Renkei\_68:

(Start: 1 @59810 has 11 MA's), (2, 59831), (3, 59840), (4, 59873), (9, 59951),

Gene: VioletZ\_72 Start: 60978, Stop: 61139, Start Num: 1

Candidate Starts for VioletZ\_72:

(Start: 1 @60978 has 11 MA's), (3, 61008), (9, 61119),