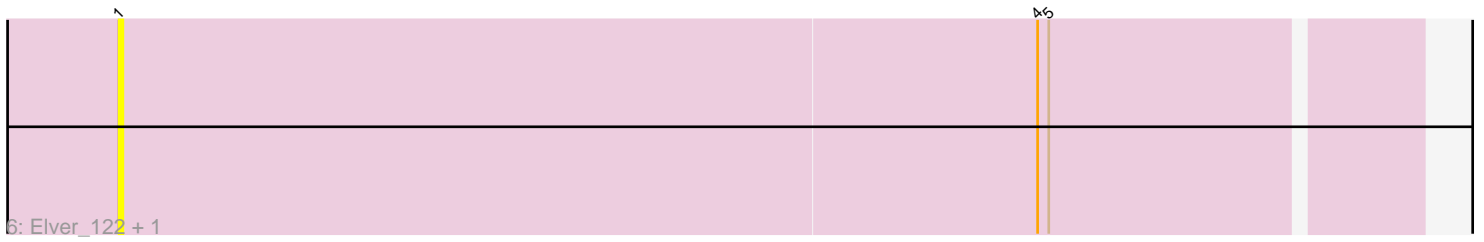
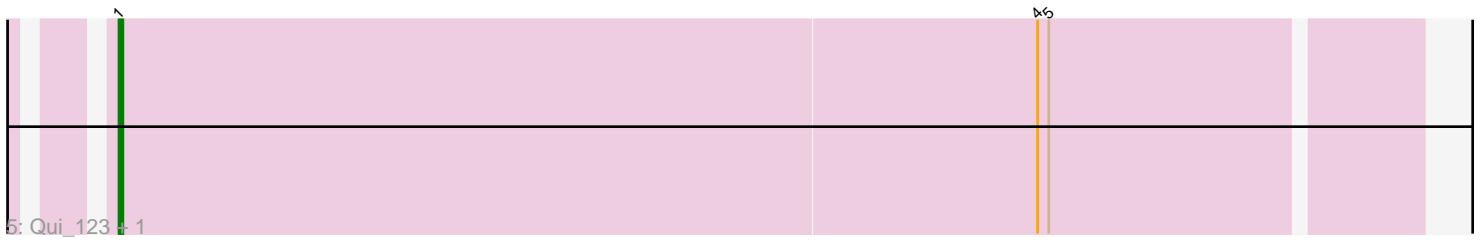
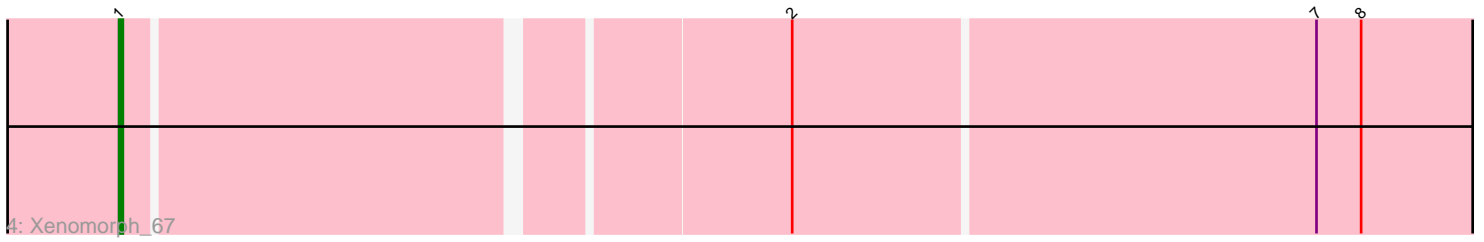
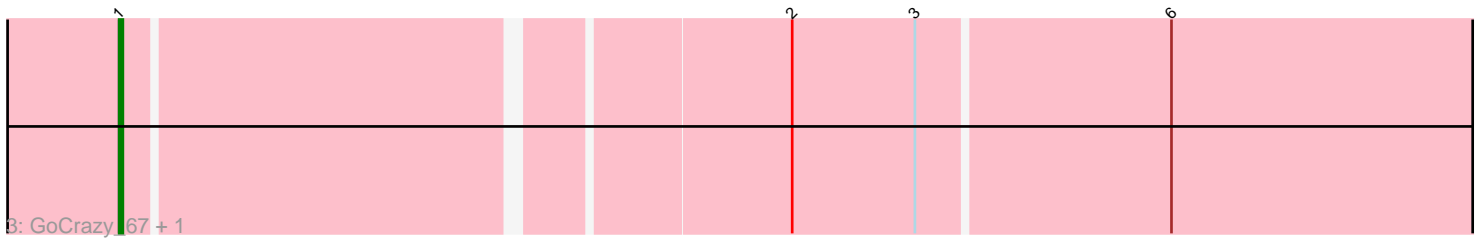
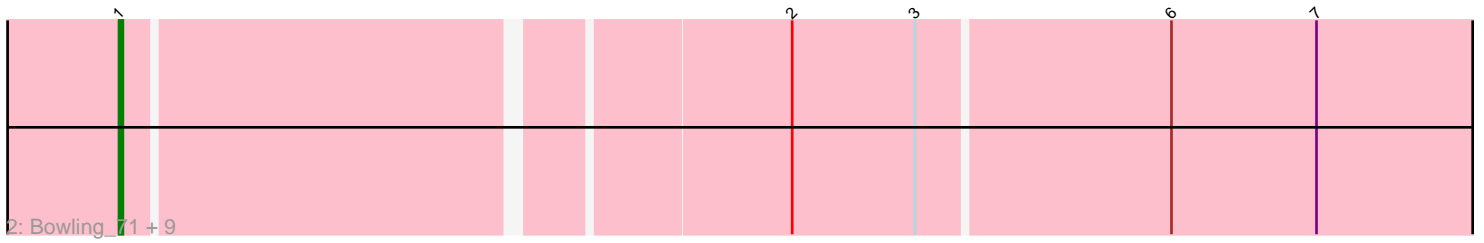
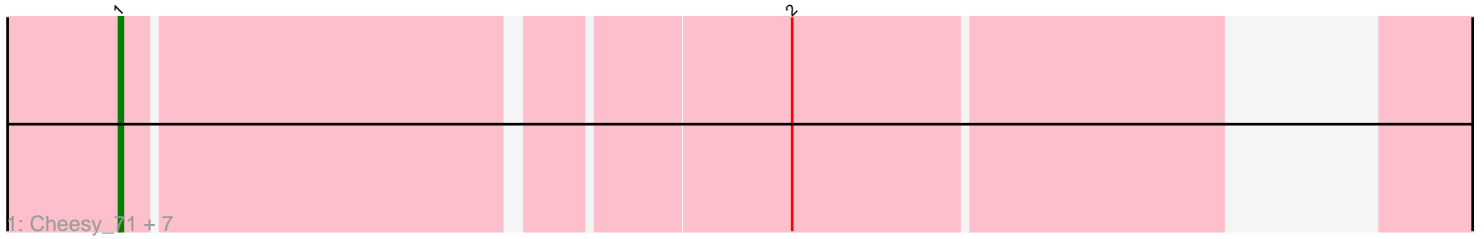


Pham 216497



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 216497 Report

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

Pham number 216497 has 25 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Cheesy_71, Mooshroom_71, Correa_69, Elsa_70, Arcadia_70, Tribby_74, Kardesai_70, Nason_70
- Track 2 : Bowling_71, Benllo_71, Dynamite_70, Hankly_70, Circum_72, Heisenberger_69, JEGGS_69, Mudcat_66, NapoleonB_71, BenitoAntonio_69
- Track 3 : GoCrazy_67, KeaneyLin_66
- Track 4 : Xenomorph_67
- Track 5 : Qui_123, Paella_123
- Track 6 : Elver_122, Gandionco_120

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 21 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arcadia_70, BenitoAntonio_69, Benllo_71, Bowling_71, Cheesy_71, Circum_72, Correa_69, Dynamite_70, Elsa_70, Elver_122, Gandionco_120, GoCrazy_67, Hankly_70, Heisenberger_69, JEGGS_69, Kardesai_70, KeaneyLin_66, Mooshroom_71, Mudcat_66, NapoleonB_71, Nason_70, Paella_123, Qui_123, Tribby_74, Xenomorph_67,

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 25 of 25 (100.0%) of genes in pham
- Manual Annotations of this start: 21 of 21
- Called 100.0% of time when present

• Phage (with cluster) where this start called: Arcadia_70 (AM), BenitoAntonio_69 (AM), Benllo_71 (AM), Bowling_71 (AM), Cheesy_71 (AM), Circum_72 (AM), Correa_69 (AM), Dynamite_70 (AM), Elsa_70 (AM), Elver_122 (FK), Gandionco_120 (FK), GoCrazy_67 (AM), Hankly_70 (AM), Heisenberger_69 (AM), JEGGS_69 (AM), Kardesai_70 (AM), KeaneyLin_66 (AM), Mooshroom_71 (AM), Mudcat_66 (AM), NapoleonB_71 (AM), Nason_70 (AM), Paella_123 (FK), Qui_123 (FK), Tribby_74 (AM), Xenomorph_67 (AM),

Summary by clusters:

There are 2 clusters represented in this pham: FK, AM,

Info for manual annotations of cluster AM:

•Start number 1 was manually annotated 19 times for cluster AM.

Info for manual annotations of cluster FK:

•Start number 1 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: Arcadia_70 Start: 43764, Stop: 44090, Start Num: 1

Candidate Starts for Arcadia_70:

(Start: 1 @43764 has 21 MA's), (2, 43932),

Gene: BenitoAntonio_69 Start: 43369, Stop: 43737, Start Num: 1

Candidate Starts for BenitoAntonio_69:

(Start: 1 @43369 has 21 MA's), (2, 43537), (3, 43570), (6, 43636), (7, 43675),

Gene: Benllo_71 Start: 44047, Stop: 44415, Start Num: 1

Candidate Starts for Benllo_71:

(Start: 1 @44047 has 21 MA's), (2, 44215), (3, 44248), (6, 44314), (7, 44353),

Gene: Bowling_71 Start: 44323, Stop: 44691, Start Num: 1

Candidate Starts for Bowling_71:

(Start: 1 @44323 has 21 MA's), (2, 44491), (3, 44524), (6, 44590), (7, 44629),

Gene: Cheesy_71 Start: 43557, Stop: 43883, Start Num: 1

Candidate Starts for Cheesy_71:

(Start: 1 @43557 has 21 MA's), (2, 43725),

Gene: Circum_72 Start: 44137, Stop: 44505, Start Num: 1

Candidate Starts for Circum_72:

(Start: 1 @44137 has 21 MA's), (2, 44305), (3, 44338), (6, 44404), (7, 44443),

Gene: Correa_69 Start: 43131, Stop: 43457, Start Num: 1

Candidate Starts for Correa_69:

(Start: 1 @43131 has 21 MA's), (2, 43299),

Gene: Dynamite_70 Start: 43580, Stop: 43948, Start Num: 1

Candidate Starts for Dynamite_70:

(Start: 1 @43580 has 21 MA's), (2, 43748), (3, 43781), (6, 43847), (7, 43886),

Gene: Elsa_70 Start: 43764, Stop: 44090, Start Num: 1
Candidate Starts for Elsa_70:
(Start: 1 @43764 has 21 MA's), (2, 43932),

Gene: Elver_122 Start: 67170, Stop: 67514, Start Num: 1
Candidate Starts for Elver_122:
(Start: 1 @67170 has 21 MA's), (4, 67416), (5, 67419),

Gene: Gandionco_120 Start: 65982, Stop: 66326, Start Num: 1
Candidate Starts for Gandionco_120:
(Start: 1 @65982 has 21 MA's), (4, 66228), (5, 66231),

Gene: GoCrazy_67 Start: 43024, Stop: 43392, Start Num: 1
Candidate Starts for GoCrazy_67:
(Start: 1 @43024 has 21 MA's), (2, 43192), (3, 43225), (6, 43291),

Gene: Hankly_70 Start: 43218, Stop: 43586, Start Num: 1
Candidate Starts for Hankly_70:
(Start: 1 @43218 has 21 MA's), (2, 43386), (3, 43419), (6, 43485), (7, 43524),

Gene: Heisenberger_69 Start: 42986, Stop: 43354, Start Num: 1
Candidate Starts for Heisenberger_69:
(Start: 1 @42986 has 21 MA's), (2, 43154), (3, 43187), (6, 43253), (7, 43292),

Gene: JEGGS_69 Start: 43065, Stop: 43433, Start Num: 1
Candidate Starts for JEGGS_69:
(Start: 1 @43065 has 21 MA's), (2, 43233), (3, 43266), (6, 43332), (7, 43371),

Gene: Kardesai_70 Start: 43374, Stop: 43706, Start Num: 1
Candidate Starts for Kardesai_70:
(Start: 1 @43374 has 21 MA's), (2, 43542),

Gene: KeaneyLin_66 Start: 43024, Stop: 43392, Start Num: 1
Candidate Starts for KeaneyLin_66:
(Start: 1 @43024 has 21 MA's), (2, 43192), (3, 43225), (6, 43291),

Gene: Mooshroom_71 Start: 43374, Stop: 43706, Start Num: 1
Candidate Starts for Mooshroom_71:
(Start: 1 @43374 has 21 MA's), (2, 43542),

Gene: Mudcat_66 Start: 44423, Stop: 44791, Start Num: 1
Candidate Starts for Mudcat_66:
(Start: 1 @44423 has 21 MA's), (2, 44591), (3, 44624), (6, 44690), (7, 44729),

Gene: NapoleonB_71 Start: 43580, Stop: 43948, Start Num: 1
Candidate Starts for NapoleonB_71:
(Start: 1 @43580 has 21 MA's), (2, 43748), (3, 43781), (6, 43847), (7, 43886),

Gene: Nason_70 Start: 43764, Stop: 44090, Start Num: 1
Candidate Starts for Nason_70:
(Start: 1 @43764 has 21 MA's), (2, 43932),

Gene: Paella_123 Start: 67733, Stop: 68077, Start Num: 1
Candidate Starts for Paella_123:
(Start: 1 @67733 has 21 MA's), (4, 67979), (5, 67982),

Gene: Qui_123 Start: 67733, Stop: 68077, Start Num: 1
Candidate Starts for Qui_123:
(Start: 1 @67733 has 21 MA's), (4, 67979), (5, 67982),

Gene: Tribby_74 Start: 44517, Stop: 44843, Start Num: 1
Candidate Starts for Tribby_74:
(Start: 1 @44517 has 21 MA's), (2, 44685),

Gene: Xenomorph_67 Start: 44001, Stop: 44369, Start Num: 1
Candidate Starts for Xenomorph_67:
(Start: 1 @44001 has 21 MA's), (2, 44169), (7, 44307), (8, 44319),