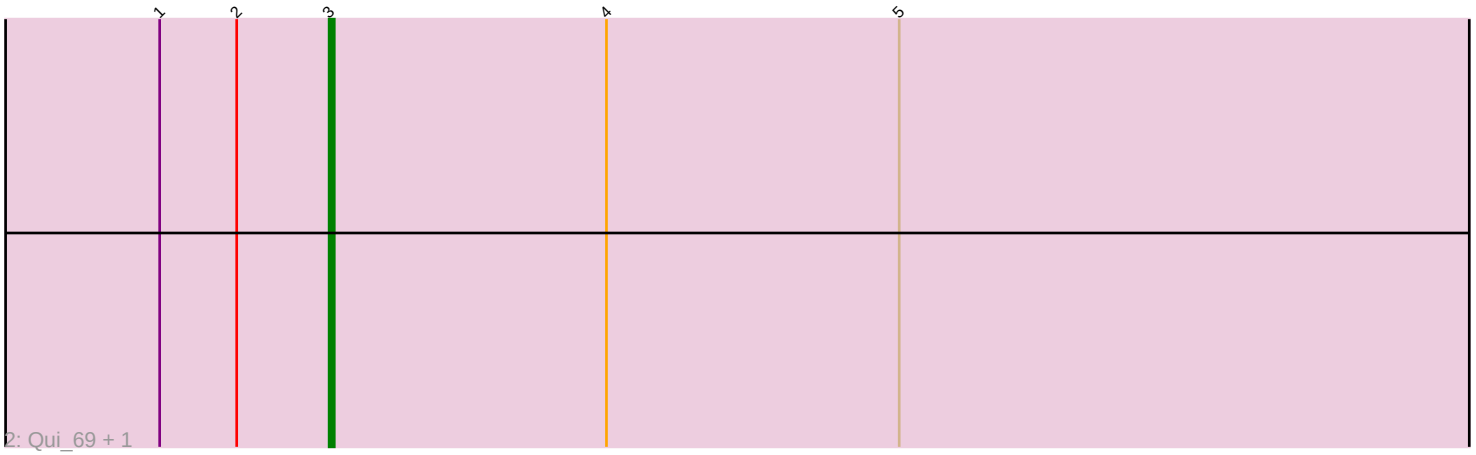
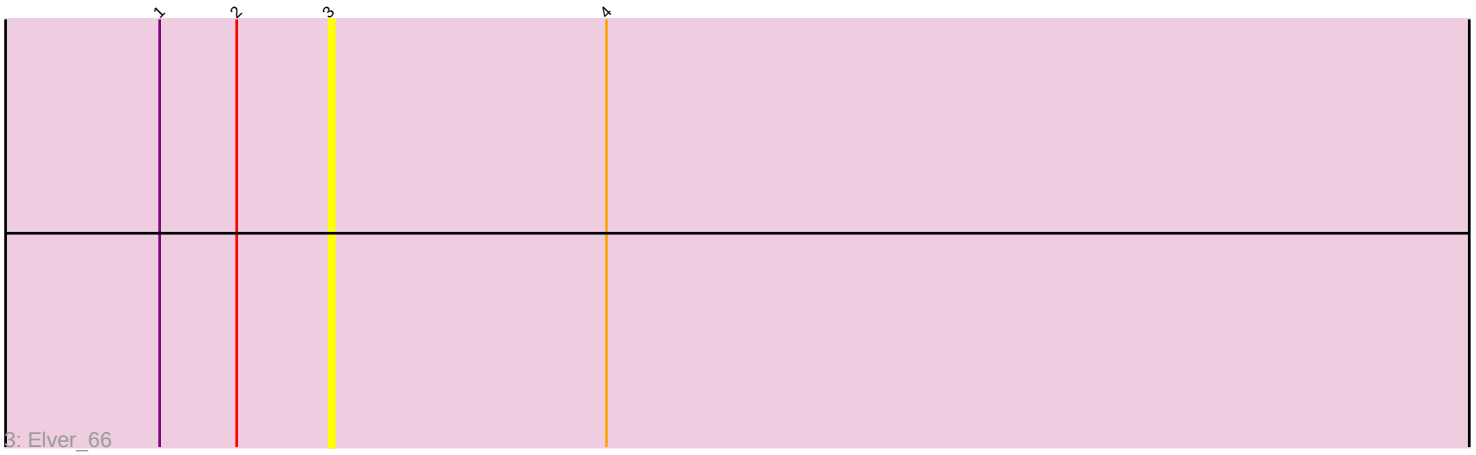
Pham 214689





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 214689 Report

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

Pham number 214689 has 19 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Circum_29, JEGGS_28, Elsa_29, Benllo_27, Kardesai_27, Bowling_28, NapoleonB_28, Cheesy_29, Nason_29, Arcadia_29, Heisenberger_28, Dynamite_28, Mooshroom_28, BenitoAntonio_29, Tribby_29, Hankly_27
• Track 2 : Qui_69, Paella_69
• Track 3 : Elver_66

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 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_29, BenitoAntonio_29, Benllo_27, Bowling_28, Cheesy_29, Circum_29, Dynamite_28, Elsa_29, Elver_66, Hankly_27, Heisenberger_28, JEGGS_28, Kardesai_27, Mooshroom_28, NapoleonB_28, Nason_29, Paella_69, Qui_69, Tribby_29,

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 3:
• Found in 19 of 19 (100.0%) of genes in pham
• Manual Annotations of this start: 16 of 16
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arcadia_29 (AM), BenitoAntonio_29 (AM), Benllo_27 (AM), Bowling_28 (AM), Cheesy_29 (AM), Circum_29 (AM), Dynamite_28 (AM), Elsa_29 (AM), Elver_66 (FK), Hankly_27 (AM), Heisenberger_28 (AM), JEGGS_28 (AM), Kardesai_27 (AM), Mooshroom_28 (AM), NapoleonB_28 (AM), Nason_29 (AM), Paella_69 (FK), Qui_69 (FK), Tribby_29 (AM),

Summary by clusters:

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

Info for manual annotations of cluster AM:
•Start number 3 was manually annotated 14 times for cluster AM.

Info for manual annotations of cluster FK:
•Start number 3 was manually annotated 2 times for cluster FK.

Gene Information:

Gene: Arcadia_29 Start: 25746, Stop: 25979, Start Num: 3
Candidate Starts for Arcadia_29:
(Start: 3 @25746 has 16 MA's), (6, 25929),

Gene: BenitoAntonio_29 Start: 25362, Stop: 25595, Start Num: 3
Candidate Starts for BenitoAntonio_29:
(Start: 3 @25362 has 16 MA's), (6, 25545),

Gene: Benllo_27 Start: 25646, Stop: 25879, Start Num: 3
Candidate Starts for Benllo_27:
(Start: 3 @25646 has 16 MA's), (6, 25829),

Gene: Bowling_28 Start: 25460, Stop: 25693, Start Num: 3
Candidate Starts for Bowling_28:
(Start: 3 @25460 has 16 MA's), (6, 25643),

Gene: Cheesy_29 Start: 25461, Stop: 25694, Start Num: 3
Candidate Starts for Cheesy_29:
(Start: 3 @25461 has 16 MA's), (6, 25644),

Gene: Circum_29 Start: 25468, Stop: 25701, Start Num: 3
Candidate Starts for Circum_29:
(Start: 3 @25468 has 16 MA's), (6, 25651),

Gene: Dynamite_28 Start: 25269, Stop: 25502, Start Num: 3
Candidate Starts for Dynamite_28:
(Start: 3 @25269 has 16 MA's), (6, 25452),

Gene: Elsa_29 Start: 25746, Stop: 25979, Start Num: 3
Candidate Starts for Elsa_29:
(Start: 3 @25746 has 16 MA's), (6, 25929),

Gene: Elver_66 Start: 43821, Stop: 44075, Start Num: 3
Candidate Starts for Elver_66:
(1, 43788), (2, 43803), (Start: 3 @43821 has 16 MA's), (4, 43875),

Gene: Hankly_27 Start: 24491, Stop: 24724, Start Num: 3
Candidate Starts for Hankly_27:

(Start: 3 @24491 has 16 MA's), (6, 24674),

Gene: Heisenberger_28 Start: 25141, Stop: 25374, Start Num: 3
Candidate Starts for Heisenberger_28:
(Start: 3 @25141 has 16 MA's), (6, 25324),

Gene: JEGGS_28 Start: 25195, Stop: 25428, Start Num: 3
Candidate Starts for JEGGS_28:
(Start: 3 @25195 has 16 MA's), (6, 25378),

Gene: Kardesai_27 Start: 24872, Stop: 25105, Start Num: 3
Candidate Starts for Kardesai_27:
(Start: 3 @24872 has 16 MA's), (6, 25055),

Gene: Mooshroom_28 Start: 24872, Stop: 25105, Start Num: 3
Candidate Starts for Mooshroom_28:
(Start: 3 @24872 has 16 MA's), (6, 25055),

Gene: NapoleonB_28 Start: 25269, Stop: 25502, Start Num: 3
Candidate Starts for NapoleonB_28:
(Start: 3 @25269 has 16 MA's), (6, 25452),

Gene: Nason_29 Start: 25746, Stop: 25979, Start Num: 3
Candidate Starts for Nason_29:
(Start: 3 @25746 has 16 MA's), (6, 25929),

Gene: Paella_69 Start: 44414, Stop: 44668, Start Num: 3
Candidate Starts for Paella_69:
(1, 44381), (2, 44396), (Start: 3 @44414 has 16 MA's), (4, 44468), (5, 44525),

Gene: Qui_69 Start: 44414, Stop: 44668, Start Num: 3
Candidate Starts for Qui_69:
(1, 44381), (2, 44396), (Start: 3 @44414 has 16 MA's), (4, 44468), (5, 44525),

Gene: Tribby_29 Start: 25461, Stop: 25694, Start Num: 3
Candidate Starts for Tribby_29:
(Start: 3 @25461 has 16 MA's), (6, 25644),