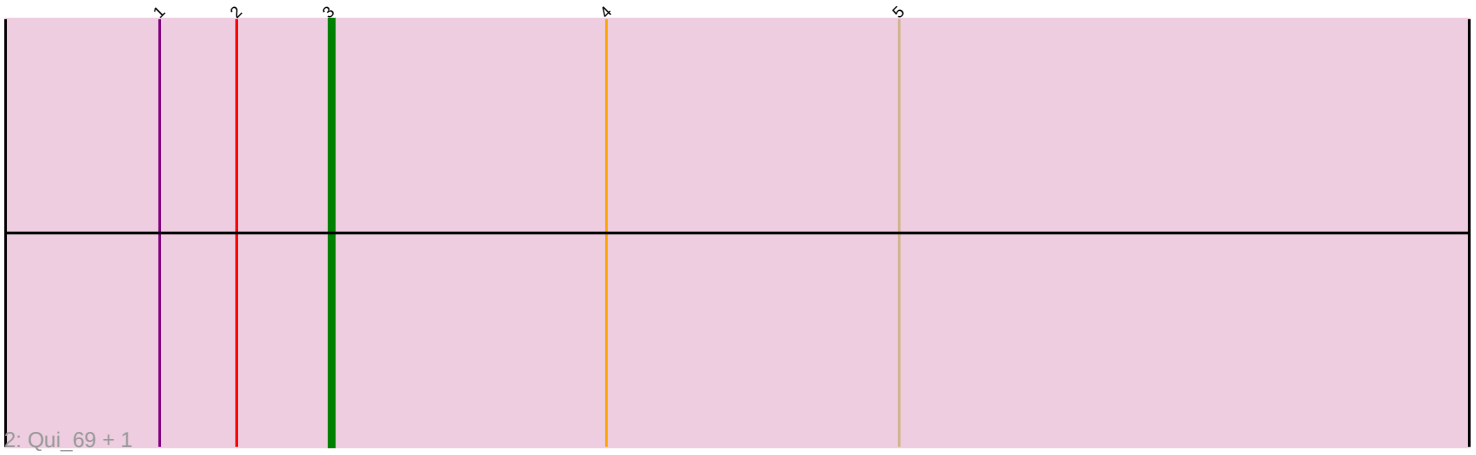
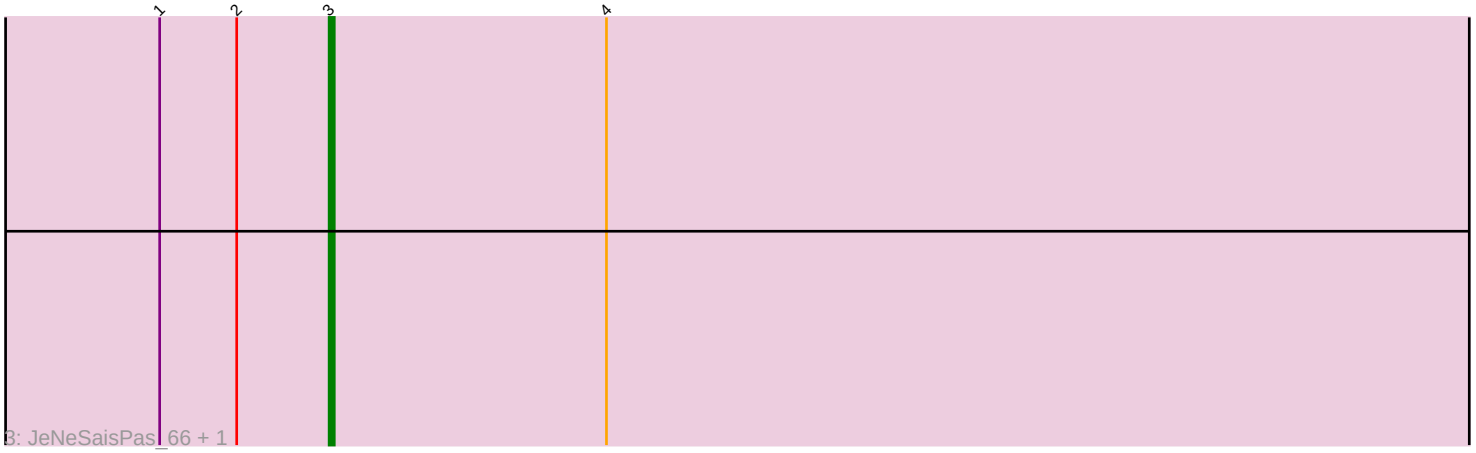
Pham 278623





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 278623 Report

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

Pham number 278623 has 20 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Elsa_29, Circum_29, JEGGS_28, Mooshroom_28, Benllo_27, Kardesai_27, NapoleonB_28, Cheesy_29, Nason_29, Arcadia_29, Heisenberger_28, Dynamite_28, BenitoAntonio_29, Bowling_29, Tribby_29, Hankly_27
• Track 2 : Qui_69, Paella_69
• Track 3 : JeNeSaisPas_66, Elver_67

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 18 of the 18 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Arcadia_29, BenitoAntonio_29, Benllo_27, Bowling_29, Cheesy_29, Circum_29, Dynamite_28, Elsa_29, Elver_67, Hankly_27, Heisenberger_28, JEGGS_28, JeNeSaisPas_66, 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 20 of 20 (100.0%) of genes in pham
• Manual Annotations of this start: 18 of 18
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Arcadia_29 (AM), BenitoAntonio_29 (AM), Benllo_27 (AM), Bowling_29 (AM), Cheesy_29 (AM), Circum_29 (AM), Dynamite_28 (AM), Elsa_29 (AM), Elver_67 (FK), Hankly_27 (AM), Heisenberger_28 (AM), JEGGS_28 (AM), JeNeSaisPas_66 (FK), 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 15 times for cluster AM.

Info for manual annotations of cluster FK:
•Start number 3 was manually annotated 3 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 18 MA's), (6, 25929),

Gene: BenitoAntonio_29 Start: 25362, Stop: 25595, Start Num: 3
Candidate Starts for BenitoAntonio_29:
(Start: 3 @25362 has 18 MA's), (6, 25545),

Gene: Benllo_27 Start: 25646, Stop: 25879, Start Num: 3
Candidate Starts for Benllo_27:
(Start: 3 @25646 has 18 MA's), (6, 25829),

Gene: Bowling_29 Start: 25460, Stop: 25693, Start Num: 3
Candidate Starts for Bowling_29:
(Start: 3 @25460 has 18 MA's), (6, 25643),

Gene: Cheesy_29 Start: 25461, Stop: 25694, Start Num: 3
Candidate Starts for Cheesy_29:
(Start: 3 @25461 has 18 MA's), (6, 25644),

Gene: Circum_29 Start: 25468, Stop: 25701, Start Num: 3
Candidate Starts for Circum_29:
(Start: 3 @25468 has 18 MA's), (6, 25651),

Gene: Dynamite_28 Start: 25269, Stop: 25502, Start Num: 3
Candidate Starts for Dynamite_28:
(Start: 3 @25269 has 18 MA's), (6, 25452),

Gene: Elsa_29 Start: 25746, Stop: 25979, Start Num: 3
Candidate Starts for Elsa_29:
(Start: 3 @25746 has 18 MA's), (6, 25929),

Gene: Elver_67 Start: 43821, Stop: 44075, Start Num: 3
Candidate Starts for Elver_67:
(1, 43788), (2, 43803), (Start: 3 @43821 has 18 MA's), (4, 43875),

Gene: Hankly_27 Start: 24491, Stop: 24724, Start Num: 3

Candidate Starts for Hankly_27:
(Start: 3 @24491 has 18 MA's), (6, 24674),

Gene: Heisenberger_28 Start: 25141, Stop: 25374, Start Num: 3
Candidate Starts for Heisenberger_28:
(Start: 3 @25141 has 18 MA's), (6, 25324),

Gene: JEGGS_28 Start: 25195, Stop: 25428, Start Num: 3
Candidate Starts for JEGGS_28:
(Start: 3 @25195 has 18 MA's), (6, 25378),

Gene: JeNeSaisPas_66 Start: 44356, Stop: 44610, Start Num: 3
Candidate Starts for JeNeSaisPas_66:
(1, 44323), (2, 44338), (Start: 3 @44356 has 18 MA's), (4, 44410),

Gene: Kardesai_27 Start: 24872, Stop: 25105, Start Num: 3
Candidate Starts for Kardesai_27:
(Start: 3 @24872 has 18 MA's), (6, 25055),

Gene: Mooshroom_28 Start: 24872, Stop: 25105, Start Num: 3
Candidate Starts for Mooshroom_28:
(Start: 3 @24872 has 18 MA's), (6, 25055),

Gene: NapoleonB_28 Start: 25269, Stop: 25502, Start Num: 3
Candidate Starts for NapoleonB_28:
(Start: 3 @25269 has 18 MA's), (6, 25452),

Gene: Nason_29 Start: 25746, Stop: 25979, Start Num: 3
Candidate Starts for Nason_29:
(Start: 3 @25746 has 18 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 18 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 18 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 18 MA's), (6, 25644),