



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 314029 Report

This analysis was run 09/05/26 on database version 662.

Pham number 314029 has 16 members, 8 are drafts.

Phages represented in each track:

- Track 1 : Sprinkle_38
- Track 2 : RustyBoy_41, Natasha_41
- Track 3 : Sporto_41
- Track 4 : PowellDog_42
- Track 5 : Jazzy4900_47, Sunny4976_46
- Track 6 : Arzan_48, GermyBearimy_54
- Track 7 : JeNeSaisPas_78, Marianna39_81, Kureo_82, Qui_83, Gandionco_79, Elver_81, Paella_83

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 4 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arzan_48, GermyBearimy_54, Jazzy4900_47, Natasha_41, PowellDog_42, RustyBoy_41, Sporto_41, Sprinkle_38, Sunny4976_46,

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

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

- Elver_81, Gandionco_79, JeNeSaisPas_78, Kureo_82, Marianna39_81, Paella_83, Qui_83,

Summary by start number:

Start 1:

- Found in 9 of 16 (56.2%) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arzan_48 (FI), GermyBearimy_54 (FI), Jazzy4900_47 (FI), Natasha_41 (AW), PowellDog_42 (AW), RustyBoy_41 (AW), Sporto_41 (AW), Sprinkle_38 (AW), Sunny4976_46 (FI),

Start 2:

- Found in 7 of 16 (43.8%) of genes in pham
- Manual Annotations of this start: 4 of 8
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Elver_81 (FK), Gandionco_79 (FK), JeNeSaisPas_78 (FK), Kureo_82 (FK), Marianna39_81 (FK), Paella_83 (FK), Qui_83 (FK),

Summary by clusters:

There are 3 clusters represented in this pham: FI, FK, AW,

Info for manual annotations of cluster AW:

- Start number 1 was manually annotated 4 times for cluster AW.

Info for manual annotations of cluster FK:

- Start number 2 was manually annotated 4 times for cluster FK.

Gene Information:

Gene: Arzan_48 Start: 32418, Stop: 32612, Start Num: 1

Candidate Starts for Arzan_48:

(Start: 1 @32418 has 4 MA's), (3, 32442), (4, 32478),

Gene: Elver_81 Start: 49310, Stop: 49537, Start Num: 2

Candidate Starts for Elver_81:

(Start: 2 @49310 has 4 MA's), (5, 49373), (6, 49439),

Gene: Gandionco_79 Start: 48455, Stop: 48682, Start Num: 2

Candidate Starts for Gandionco_79:

(Start: 2 @48455 has 4 MA's), (5, 48518), (6, 48584),

Gene: GermyBearimy_54 Start: 33795, Stop: 33989, Start Num: 1

Candidate Starts for GermyBearimy_54:

(Start: 1 @33795 has 4 MA's), (3, 33819), (4, 33855),

Gene: Jazzy4900_47 Start: 33250, Stop: 33444, Start Num: 1

Candidate Starts for Jazzy4900_47:

(Start: 1 @33250 has 4 MA's), (4, 33310),

Gene: JeNeSaisPas_78 Start: 49036, Stop: 49263, Start Num: 2

Candidate Starts for JeNeSaisPas_78:

(Start: 2 @49036 has 4 MA's), (5, 49099), (6, 49165),

Gene: Kureo_82 Start: 48608, Stop: 48835, Start Num: 2

Candidate Starts for Kureo_82:

(Start: 2 @48608 has 4 MA's), (5, 48671), (6, 48737),

Gene: Marianna39_81 Start: 49030, Stop: 49257, Start Num: 2

Candidate Starts for Marianna39_81:
(Start: 2 @49030 has 4 MA's), (5, 49093), (6, 49159),

Gene: Natasha_41 Start: 29496, Stop: 29687, Start Num: 1
Candidate Starts for Natasha_41:
(Start: 1 @29496 has 4 MA's), (8, 29619),

Gene: Paella_83 Start: 49903, Stop: 50130, Start Num: 2
Candidate Starts for Paella_83:
(Start: 2 @49903 has 4 MA's), (5, 49966), (6, 50032),

Gene: Powelldog_42 Start: 30016, Stop: 30207, Start Num: 1
Candidate Starts for Powelldog_42:
(Start: 1 @30016 has 4 MA's), (7, 30136), (9, 30157),

Gene: Qui_83 Start: 49903, Stop: 50130, Start Num: 2
Candidate Starts for Qui_83:
(Start: 2 @49903 has 4 MA's), (5, 49966), (6, 50032),

Gene: RustyBoy_41 Start: 29477, Stop: 29668, Start Num: 1
Candidate Starts for RustyBoy_41:
(Start: 1 @29477 has 4 MA's), (8, 29600),

Gene: Sporto_41 Start: 31241, Stop: 31432, Start Num: 1
Candidate Starts for Sporto_41:
(Start: 1 @31241 has 4 MA's), (8, 31364),

Gene: Sprinkle_38 Start: 29571, Stop: 29786, Start Num: 1
Candidate Starts for Sprinkle_38:
(Start: 1 @29571 has 4 MA's),

Gene: Sunny4976_46 Start: 33250, Stop: 33444, Start Num: 1
Candidate Starts for Sunny4976_46:
(Start: 1 @33250 has 4 MA's), (4, 33310),