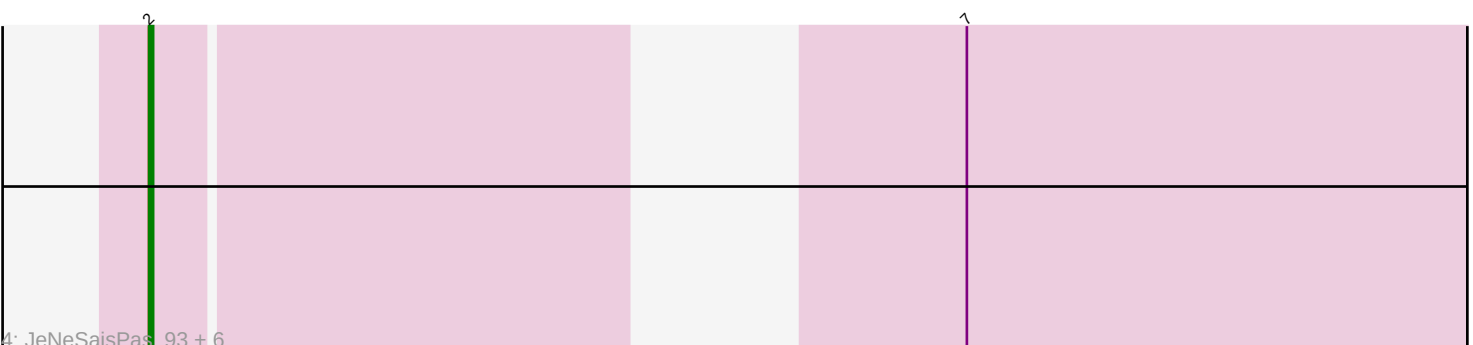
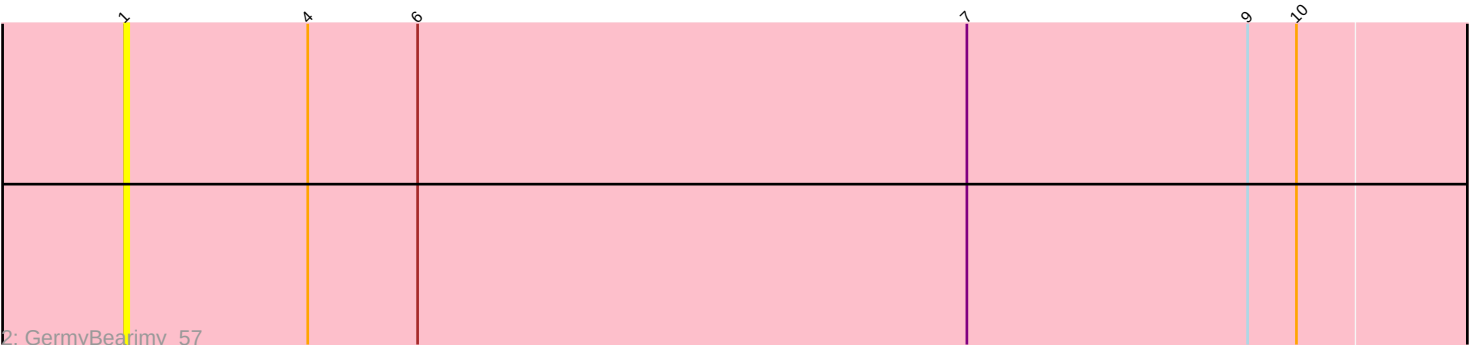




Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly 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 331470 Report

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

Pham number 331470 has 11 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Jazzy4900_50, Sunny4976_49
- Track 2 : GermyBearimy_57
- Track 3 : Arzan_51
- Track 4 : JeNeSaisPas_93, Kureo_95, Qui_97, Paella_97, Gandionco_93, Marianna39_94, Elver_96

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

The start number called the most often in the published annotations is 2, it was called in 4 of the 4 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Elver_96, Gandionco_93, JeNeSaisPas_93, Kureo_95, Marianna39_94, Paella_97, Qui_97,

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

-

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

- Arzan_51, GermyBearimy_57, Jazzy4900_50, Sunny4976_49,

Summary by start number:

Start 1:

- Found in 4 of 11 (36.4%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arzan_51 (FI), GermyBearimy_57 (FI), Jazzy4900_50 (FI), Sunny4976_49 (FI),

Start 2:

- Found in 7 of 11 (63.6%) of genes in pham
- Manual Annotations of this start: 4 of 4
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Elver_96 (FK), Gandionco_93 (FK), JeNeSaisPas_93 (FK), Kureo_95 (FK), Marianna39_94 (FK), Paella_97 (FK), Qui_97 (FK),

Summary by clusters:

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

Info for manual annotations of cluster FK:

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

Gene Information:

Gene: Arzan_51 Start: 33846, Stop: 34193, Start Num: 1

Candidate Starts for Arzan_51:

(1, 33846), (3, 33879), (6, 33918), (7, 34053), (8, 34104),

Gene: Elver_96 Start: 54012, Stop: 54290, Start Num: 2

Candidate Starts for Elver_96:

(Start: 2 @54012 has 4 MA's), (7, 54168),

Gene: Gandionco_93 Start: 52868, Stop: 53146, Start Num: 2

Candidate Starts for Gandionco_93:

(Start: 2 @52868 has 4 MA's), (7, 53024),

Gene: GermyBearimy_57 Start: 35190, Stop: 35549, Start Num: 1

Candidate Starts for GermyBearimy_57:

(1, 35190), (4, 35235), (6, 35262), (7, 35397), (9, 35466), (10, 35478),

Gene: Jazzy4900_50 Start: 34651, Stop: 34998, Start Num: 1

Candidate Starts for Jazzy4900_50:

(1, 34651), (3, 34684), (5, 34702), (6, 34723), (7, 34858), (8, 34909), (9, 34927), (11, 34951),

Gene: JeNeSaisPas_93 Start: 53442, Stop: 53720, Start Num: 2

Candidate Starts for JeNeSaisPas_93:

(Start: 2 @53442 has 4 MA's), (7, 53598),

Gene: Kureo_95 Start: 53022, Stop: 53300, Start Num: 2

Candidate Starts for Kureo_95:

(Start: 2 @53022 has 4 MA's), (7, 53178),

Gene: Marianna39_94 Start: 53437, Stop: 53715, Start Num: 2

Candidate Starts for Marianna39_94:

(Start: 2 @53437 has 4 MA's), (7, 53593),

Gene: Paella_97 Start: 54602, Stop: 54880, Start Num: 2

Candidate Starts for Paella_97:

(Start: 2 @54602 has 4 MA's), (7, 54758),

Gene: Qui_97 Start: 54602, Stop: 54880, Start Num: 2

Candidate Starts for Qui_97:

(Start: 2 @54602 has 4 MA's), (7, 54758),

Gene: Sunny4976_49 Start: 34651, Stop: 34998, Start Num: 1

Candidate Starts for Sunny4976_49:

(1, 34651), (3, 34684), (5, 34702), (6, 34723), (7, 34858), (8, 34909), (9, 34927), (11, 34951),