



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 272520 Report

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

Pham number 272520 has 9 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Bobby_180
- Track 2 : Omega_200, Nekros_191, Nibley_184, Gonephishing_187, Shaboozey_189, BronnyJames_186
- Track 3 : Thibault_174
- Track 4 : Rearden_193

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 2 of the 3 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BronnyJames_186, Gonephishing_187, Nekros_191, Nibley_184, Omega_200, Shaboozey_189, Thibault_174,

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

- Bobby_180, Rearden_193,

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

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Summary by start number:

Start 1:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 1 of 3
- Called 22.2% of time when present
- Phage (with cluster) where this start called: Bobby_180 (J), Rearden_193 (J),

Start 2:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 3
- Called 77.8% of time when present

- Phage (with cluster) where this start called: BronnyJames_186 (J), Gonephishing_187 (J), Nekros_191 (J), Nibley_184 (J), Omega_200 (J), Shaboozey_189 (J), Thibault_174 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:

- Start number 1 was manually annotated 1 time for cluster J.
- Start number 2 was manually annotated 2 times for cluster J.

Gene Information:

Gene: Bobby_180 Start: 97296, Stop: 97087, Start Num: 1

Candidate Starts for Bobby_180:

(Start: 1 @97296 has 1 MA's), (Start: 2 @97293 has 2 MA's), (3, 97221), (4, 97209), (5, 97158),

Gene: BronnyJames_186 Start: 93179, Stop: 92973, Start Num: 2

Candidate Starts for BronnyJames_186:

(Start: 1 @93182 has 1 MA's), (Start: 2 @93179 has 2 MA's), (3, 93107), (5, 93044),

Gene: Gonephishing_187 Start: 95052, Stop: 94846, Start Num: 2

Candidate Starts for Gonephishing_187:

(Start: 1 @95055 has 1 MA's), (Start: 2 @95052 has 2 MA's), (3, 94980), (5, 94917),

Gene: Nekros_191 Start: 96743, Stop: 96537, Start Num: 2

Candidate Starts for Nekros_191:

(Start: 1 @96746 has 1 MA's), (Start: 2 @96743 has 2 MA's), (3, 96671), (5, 96608),

Gene: Nibley_184 Start: 92756, Stop: 92550, Start Num: 2

Candidate Starts for Nibley_184:

(Start: 1 @92759 has 1 MA's), (Start: 2 @92756 has 2 MA's), (3, 92684), (5, 92621),

Gene: Omega_200 Start: 98575, Stop: 98357, Start Num: 2

Candidate Starts for Omega_200:

(Start: 1 @98578 has 1 MA's), (Start: 2 @98575 has 2 MA's), (3, 98503), (5, 98440),

Gene: Rearden_193 Start: 94931, Stop: 94722, Start Num: 1

Candidate Starts for Rearden_193:

(Start: 1 @94931 has 1 MA's), (Start: 2 @94928 has 2 MA's), (3, 94856), (5, 94793),

Gene: Shaboozey_189 Start: 93200, Stop: 92994, Start Num: 2

Candidate Starts for Shaboozey_189:

(Start: 1 @93203 has 1 MA's), (Start: 2 @93200 has 2 MA's), (3, 93128), (5, 93065),

Gene: Thibault_174 Start: 93435, Stop: 93229, Start Num: 2

Candidate Starts for Thibault_174:

(Start: 1 @93438 has 1 MA's), (Start: 2 @93435 has 2 MA's), (3, 93363), (5, 93300), (6, 93237),