



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 284506 Report

This analysis was run 02/23/26 on database version 636.

Pham number 284506 has 7 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Gonephishing_122, Nibley_125, Nekros_131, Shaboozey_129, Squint_126, MiaZeal_128
- Track 2 : Rearden_126

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

Genes that call this "Most Annotated" start:

- Gonephishing_122, MiaZeal_128, Nekros_131, Nibley_125, Shaboozey_129, Squint_126,

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

- Rearden_126,

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

-

Summary by start number:

Start 1:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 2 of 2
- Called 85.7% of time when present
- Phage (with cluster) where this start called: Gonephishing_122 (J), MiaZeal_128 (J), Nekros_131 (J), Nibley_125 (J), Shaboozey_129 (J), Squint_126 (J),

Start 2:

- Found in 7 of 7 (100.0%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Rearden_126 (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 2 times for cluster J.

Gene Information:

Gene: Gonephishing_122 Start: 66828, Stop: 67358, Start Num: 1

Candidate Starts for Gonephishing_122:

(Start: 1 @66828 has 2 MA's), (2, 66921), (3, 66930), (4, 66942), (5, 66981), (6, 67014), (7, 67089), (8, 67116), (9, 67128), (10, 67146), (11, 67152), (12, 67230),

Gene: MiaZeal_128 Start: 68487, Stop: 69017, Start Num: 1

Candidate Starts for MiaZeal_128:

(Start: 1 @68487 has 2 MA's), (2, 68580), (3, 68589), (4, 68601), (5, 68640), (6, 68673), (7, 68748), (8, 68775), (9, 68787), (10, 68805), (11, 68811), (12, 68889),

Gene: Nekros_131 Start: 71983, Stop: 72513, Start Num: 1

Candidate Starts for Nekros_131:

(Start: 1 @71983 has 2 MA's), (2, 72076), (3, 72085), (4, 72097), (5, 72136), (6, 72169), (7, 72244), (8, 72271), (9, 72283), (10, 72301), (11, 72307), (12, 72385),

Gene: Nibley_125 Start: 68366, Stop: 68896, Start Num: 1

Candidate Starts for Nibley_125:

(Start: 1 @68366 has 2 MA's), (2, 68459), (3, 68468), (4, 68480), (5, 68519), (6, 68552), (7, 68627), (8, 68654), (9, 68666), (10, 68684), (11, 68690), (12, 68768),

Gene: Rearden_126 Start: 68479, Stop: 68916, Start Num: 2

Candidate Starts for Rearden_126:

(Start: 1 @68386 has 2 MA's), (2, 68479), (3, 68488), (4, 68500), (5, 68539), (6, 68572), (7, 68647), (8, 68674), (9, 68686), (10, 68704), (11, 68710), (12, 68788),

Gene: Shaboozey_129 Start: 68810, Stop: 69340, Start Num: 1

Candidate Starts for Shaboozey_129:

(Start: 1 @68810 has 2 MA's), (2, 68903), (3, 68912), (4, 68924), (5, 68963), (6, 68996), (7, 69071), (8, 69098), (9, 69110), (10, 69128), (11, 69134), (12, 69212),

Gene: Squint_126 Start: 68600, Stop: 69130, Start Num: 1

Candidate Starts for Squint_126:

(Start: 1 @68600 has 2 MA's), (2, 68693), (3, 68702), (4, 68714), (5, 68753), (6, 68786), (7, 68861), (8, 68888), (9, 68900), (10, 68918), (11, 68924), (12, 69002),