

1: MiaZeal 189 + 6

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 6865 Report

This analysis was run 04/05/24 on database version 557.

Pham number 6865 has 7 members, 0 are drafts.

Phages represented in each track:

- Track 1 : MiaZeal_189, Courthouse_183, Ariel_187, Superphikiman_184, Squint_181, Thibault_167, Omega_194

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 7 of the 7 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ariel_187, Courthouse_183, MiaZeal_189, Omega_194, Squint_181, Superphikiman_184, Thibault_167,

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 2:

- Found in 7 of 7 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 7
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ariel_187 (J), Courthouse_183 (J), MiaZeal_189 (J), Omega_194 (J), Squint_181 (J), Superphikiman_184 (J), Thibault_167 (J),

Summary by clusters:

There is one cluster represented in this pham: J

Info for manual annotations of cluster J:

- Start number 2 was manually annotated 7 times for cluster J.

Gene Information:

Gene: Ariel_187 Start: 91890, Stop: 92060, Start Num: 2

Candidate Starts for Ariel_187:

(1, 91875), (Start: 2 @91890 has 7 MA's), (3, 91917), (4, 91944), (5, 91959), (6, 91986), (7, 92022), (8, 92046),

Gene: Courthouse_183 Start: 92339, Stop: 92509, Start Num: 2

Candidate Starts for Courthouse_183:

(1, 92324), (Start: 2 @92339 has 7 MA's), (3, 92366), (4, 92393), (5, 92408), (6, 92435), (7, 92471), (8, 92495),

Gene: MiaZeal_189 Start: 92556, Stop: 92726, Start Num: 2

Candidate Starts for MiaZeal_189:

(1, 92541), (Start: 2 @92556 has 7 MA's), (3, 92583), (4, 92610), (5, 92625), (6, 92652), (7, 92688), (8, 92712),

Gene: Omega_194 Start: 96079, Stop: 96249, Start Num: 2

Candidate Starts for Omega_194:

(1, 96064), (Start: 2 @96079 has 7 MA's), (3, 96106), (4, 96133), (5, 96148), (6, 96175), (7, 96211), (8, 96235),

Gene: Squint_181 Start: 92168, Stop: 92338, Start Num: 2

Candidate Starts for Squint_181:

(1, 92153), (Start: 2 @92168 has 7 MA's), (3, 92195), (4, 92222), (5, 92237), (6, 92264), (7, 92300), (8, 92324),

Gene: Superphikiman_184 Start: 92034, Stop: 92204, Start Num: 2

Candidate Starts for Superphikiman_184:

(1, 92019), (Start: 2 @92034 has 7 MA's), (3, 92061), (4, 92088), (5, 92103), (6, 92130), (7, 92166), (8, 92190),

Gene: Thibault_167 Start: 91408, Stop: 91578, Start Num: 2

Candidate Starts for Thibault_167:

(1, 91393), (Start: 2 @91408 has 7 MA's), (3, 91435), (4, 91462), (5, 91477), (6, 91504), (7, 91540), (8, 91564),