Pham 87060
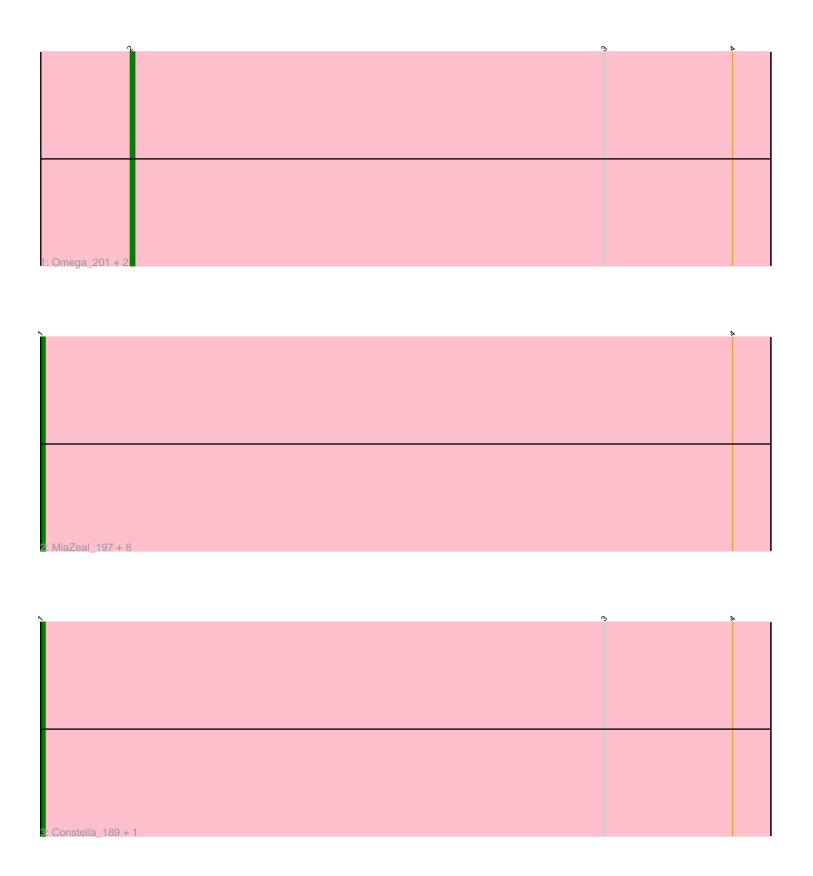

1: Omega_201 + 2

2: MiaZeal_197 + 8

3: Constella_189 + 1

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 87060 Report

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

Pham number 87060 has 14 members, 0 are drafts.

Phages represented in each track:
• Track 1 : Omega_201, Thibault_175, Phoebus_193
• Track 2 : MiaZeal_197, Ariel_195, Courthouse_191, Squint_189, Bombitas_178, Pound_184, Superphikiman_192, Kalah2_190, LittleE_196
• Track 3 : Constella_189, KashFlow_190

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 11 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Ariel_195, Bombitas_178, Constella_189, Courthouse_191, Kalah2_190, KashFlow_190, LittleE_196, MiaZeal_197, Pound_184, Squint_189, Superphikiman_192,

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

Genes that do not have the "Most Annotated" start:
• Omega_201, Phoebus_193, Thibault_175,

Summary by start number:

Start 1:
• Found in 11 of 14 (78.6%) of genes in pham
• Manual Annotations of this start: 11 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariel_195 (J), Bombitas_178 (J), Constella_189 (J), Courthouse_191 (J), Kalah2_190 (J), KashFlow_190 (J), LittleE_196 (J), MiaZeal_197 (J), Pound_184 (J), Squint_189 (J), Superphikiman_192 (J),

Start 2:
• Found in 3 of 14 (21.4%) of genes in pham

• Manual Annotations of this start: 3 of 14
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Omega_201 (J), Phoebus_193 (J), Thibault_175 (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 11 times for cluster J.
•Start number 2 was manually annotated 3 times for cluster J.

Gene Information:
Gene: Ariel_195 Start: 94432, Stop: 94262, Start Num: 1
Candidate Starts for Ariel_195:
(Start: 1 @94432 has 11 MA's), (4, 94270),

Gene: Bombitas_178 Start: 94177, Stop: 94007, Start Num: 1
Candidate Starts for Bombitas_178:
(Start: 1 @94177 has 11 MA's), (4, 94015),

Gene: Constella_189 Start: 96969, Stop: 96799, Start Num: 1
Candidate Starts for Constella_189:
(Start: 1 @96969 has 11 MA's), (3, 96837), (4, 96807),

Gene: Courthouse_191 Start: 94881, Stop: 94711, Start Num: 1
Candidate Starts for Courthouse_191:
(Start: 1 @94881 has 11 MA's), (4, 94719),

Gene: Kalah2_190 Start: 98240, Stop: 98070, Start Num: 1
Candidate Starts for Kalah2_190:
(Start: 1 @98240 has 11 MA's), (4, 98078),

Gene: KashFlow_190 Start: 96904, Stop: 96734, Start Num: 1
Candidate Starts for KashFlow_190:
(Start: 1 @96904 has 11 MA's), (3, 96772), (4, 96742),

Gene: LittleE_196 Start: 97119, Stop: 96949, Start Num: 1
Candidate Starts for LittleE_196:
(Start: 1 @97119 has 11 MA's), (4, 96957),

Gene: MiaZeal_197 Start: 95098, Stop: 94928, Start Num: 1
Candidate Starts for MiaZeal_197:
(Start: 1 @95098 has 11 MA's), (4, 94936),

Gene: Omega_201 Start: 98724, Stop: 98575, Start Num: 2
Candidate Starts for Omega_201:
(Start: 2 @98724 has 3 MA's), (3, 98613), (4, 98583),

Gene: Phoebus_193 Start: 99477, Stop: 99328, Start Num: 2
Candidate Starts for Phoebus_193:
(Start: 2 @99477 has 3 MA's), (3, 99366), (4, 99336),

Gene: Pound_184 Start: 95665, Stop: 95495, Start Num: 1
Candidate Starts for Pound_184:
(Start: 1 @95665 has 11 MA's), (4, 95503),

Gene: Squint_189 Start: 94709, Stop: 94539, Start Num: 1
Candidate Starts for Squint_189:
(Start: 1 @94709 has 11 MA's), (4, 94547),

Gene: Superphikiman_192 Start: 94576, Stop: 94406, Start Num: 1
Candidate Starts for Superphikiman_192:
(Start: 1 @94576 has 11 MA's), (4, 94414),

Gene: Thibault_175 Start: 93584, Stop: 93435, Start Num: 2
Candidate Starts for Thibault_175:
(Start: 2 @93584 has 3 MA's), (3, 93473), (4, 93443),