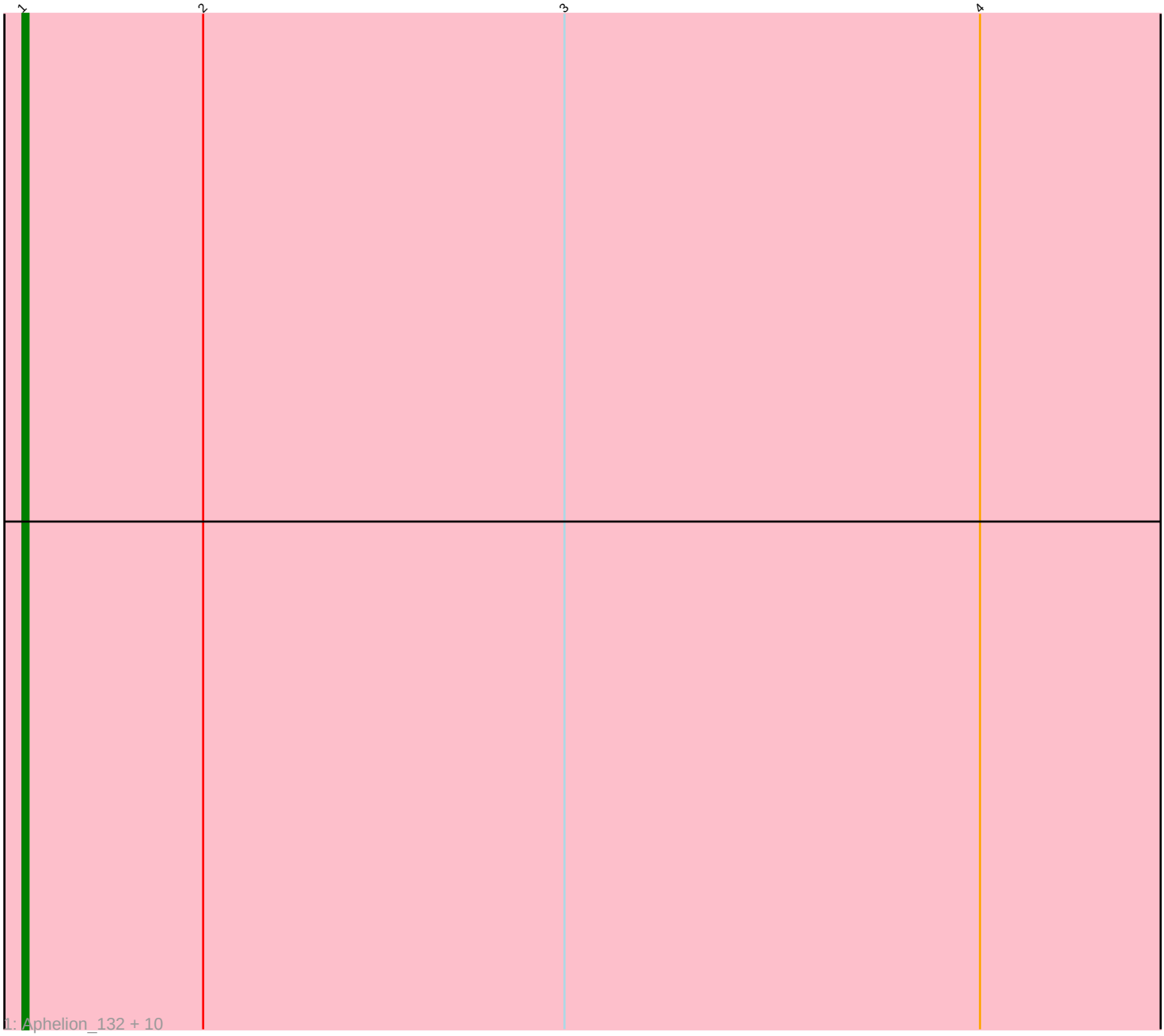
Pham 106988



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 106988 Report

This analysis was run 04/28/24 on database version 559.

Pham number 106988 has 11 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Aphelion_132, Smoothie_134, Miskis_132, ClubL_133, Cucurbita_134, Abscondus_132, Dusty_129, Lozinak_133, Bachita_136, Engineer_135, Toniann_133

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 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_132, Aphelion_132, Bachita_136, ClubL_133, Cucurbita_134, Dusty_129, Engineer_135, Lozinak_133, Miskis_132, Smoothie_134, Toniann_133,

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 1:
• Found in 11 of 11 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_132 (CQ), Aphelion_132 (CQ1), Bachita_136 (CQ1), ClubL_133 (CQ1), Cucurbita_134 (CQ1), Dusty_129 (CQ), Engineer_135 (CQ1), Lozinak_133 (CQ1), Miskis_132 (CQ), Smoothie_134 (CQ1), Toniann_133 (CQ1),

Summary by clusters:

There are 2 clusters represented in this pham: CQ1, CQ,

Info for manual annotations of cluster CQ1:
•Start number 1 was manually annotated 8 times for cluster CQ1.

Gene Information:

Gene: Abscondus_132 Start: 73431, Stop: 73673, Start Num: 1
Candidate Starts for Abscondus_132:
(Start: 1 @73431 has 8 MA's), (2, 73461), (3, 73521), (4, 73590),

Gene: Aphelion_132 Start: 74303, Stop: 74545, Start Num: 1
Candidate Starts for Aphelion_132:
(Start: 1 @74303 has 8 MA's), (2, 74333), (3, 74393), (4, 74462),

Gene: Bachita_136 Start: 74451, Stop: 74693, Start Num: 1
Candidate Starts for Bachita_136:
(Start: 1 @74451 has 8 MA's), (2, 74481), (3, 74541), (4, 74610),

Gene: ClubL_133 Start: 73022, Stop: 73264, Start Num: 1
Candidate Starts for ClubL_133:
(Start: 1 @73022 has 8 MA's), (2, 73052), (3, 73112), (4, 73181),

Gene: Cucurbita_134 Start: 74764, Stop: 75006, Start Num: 1
Candidate Starts for Cucurbita_134:
(Start: 1 @74764 has 8 MA's), (2, 74794), (3, 74854), (4, 74923),

Gene: Dusty_129 Start: 72993, Stop: 73235, Start Num: 1
Candidate Starts for Dusty_129:
(Start: 1 @72993 has 8 MA's), (2, 73023), (3, 73083), (4, 73152),

Gene: Engineer_135 Start: 74424, Stop: 74666, Start Num: 1
Candidate Starts for Engineer_135:
(Start: 1 @74424 has 8 MA's), (2, 74454), (3, 74514), (4, 74583),

Gene: Lozinak_133 Start: 74084, Stop: 74326, Start Num: 1
Candidate Starts for Lozinak_133:
(Start: 1 @74084 has 8 MA's), (2, 74114), (3, 74174), (4, 74243),

Gene: Miskis_132 Start: 73516, Stop: 73758, Start Num: 1
Candidate Starts for Miskis_132:
(Start: 1 @73516 has 8 MA's), (2, 73546), (3, 73606), (4, 73675),

Gene: Smoothie_134 Start: 74084, Stop: 74326, Start Num: 1
Candidate Starts for Smoothie_134:
(Start: 1 @74084 has 8 MA's), (2, 74114), (3, 74174), (4, 74243),

Gene: Toniann_133 Start: 73614, Stop: 73856, Start Num: 1
Candidate Starts for Toniann_133:
(Start: 1 @73614 has 8 MA's), (2, 73644), (3, 73704), (4, 73773),