



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 107052 Report

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

Pham number 107052 has 10 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Abscondus_128, Miskis_128, Smoothie_130, Lozinak_129, Dusty_125
- Track 2 : ClubL_129, Bachita_132, Toniann_129, Cucurbita_130, Engineer_131

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:

- Abscondus_128, Bachita_132, ClubL_129, Cucurbita_130, Dusty_125, Engineer_131, Lozinak_129, Miskis_128, Smoothie_130, Toniann_129,

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 10 of 10 (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: Abscondus_128 (CQ), Bachita_132 (CQ1), ClubL_129 (CQ1), Cucurbita_130 (CQ1), Dusty_125 (CQ), Engineer_131 (CQ1), Lozinak_129 (CQ1), Miskis_128 (CQ), Smoothie_130 (CQ1), Toniann_129 (CQ1),

Summary by clusters:

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

Info for manual annotations of cluster CQ1:

•Start number 2 was manually annotated 7 times for cluster CQ1.

Gene Information:

Gene: Abscondus_128 Start: 72358, Stop: 72582, Start Num: 2

Candidate Starts for Abscondus_128:

(1, 72355), (Start: 2 @72358 has 7 MA's), (3, 72427), (4, 72430), (5, 72562), (6, 72571),

Gene: Bachita_132 Start: 73378, Stop: 73602, Start Num: 2

Candidate Starts for Bachita_132:

(Start: 2 @73378 has 7 MA's), (4, 73450), (5, 73582), (6, 73591),

Gene: ClubL_129 Start: 71949, Stop: 72173, Start Num: 2

Candidate Starts for ClubL_129:

(Start: 2 @71949 has 7 MA's), (4, 72021), (5, 72153), (6, 72162),

Gene: Cucurbita_130 Start: 73691, Stop: 73915, Start Num: 2

Candidate Starts for Cucurbita_130:

(Start: 2 @73691 has 7 MA's), (4, 73763), (5, 73895), (6, 73904),

Gene: Dusty_125 Start: 71920, Stop: 72144, Start Num: 2

Candidate Starts for Dusty_125:

(1, 71917), (Start: 2 @71920 has 7 MA's), (3, 71989), (4, 71992), (5, 72124), (6, 72133),

Gene: Engineer_131 Start: 73351, Stop: 73575, Start Num: 2

Candidate Starts for Engineer_131:

(Start: 2 @73351 has 7 MA's), (4, 73423), (5, 73555), (6, 73564),

Gene: Lozinak_129 Start: 73011, Stop: 73235, Start Num: 2

Candidate Starts for Lozinak_129:

(1, 73008), (Start: 2 @73011 has 7 MA's), (3, 73080), (4, 73083), (5, 73215), (6, 73224),

Gene: Miskis_128 Start: 72443, Stop: 72667, Start Num: 2

Candidate Starts for Miskis_128:

(1, 72440), (Start: 2 @72443 has 7 MA's), (3, 72512), (4, 72515), (5, 72647), (6, 72656),

Gene: Smoothie_130 Start: 73011, Stop: 73235, Start Num: 2

Candidate Starts for Smoothie_130:

(1, 73008), (Start: 2 @73011 has 7 MA's), (3, 73080), (4, 73083), (5, 73215), (6, 73224),

Gene: Toniann_129 Start: 72541, Stop: 72765, Start Num: 2

Candidate Starts for Toniann_129:

(Start: 2 @72541 has 7 MA's), (4, 72613), (5, 72745), (6, 72754),