



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 4958 Report

This analysis was run 03/30/24 on database version 556.

Pham number 4958 has 14 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Abscondus_13, Culver_12
- Track 2 : Lozinak_13, Smoothie_13, Toniann_13, Aphelion_13, Miskis_15, Norvs_13, Engineer_13
- Track 3 : Cucurbita_12, Bachita_14, ClubL_13
- Track 4 : PhinkBoden_14
- Track 5 : WilliamBoone_11

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 12 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abscondus_13, Aphelion_13, Bachita_14, ClubL_13, Cucurbita_12, Culver_12, Engineer_13, Lozinak_13, Miskis_15, Norvs_13, PhinkBoden_14, Smoothie_13, Toniann_13, WilliamBoone_11,

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 14 of 14 (100.0%) of genes in pham
- Manual Annotations of this start: 12 of 12
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_13 (CQ), Aphelion_13 (CQ1), Bachita_14 (CQ1), ClubL_13 (CQ1), Cucurbita_12 (CQ1), Culver_12 (CQ1), Engineer_13 (CQ1), Lozinak_13 (CQ1), Miskis_15 (CQ), Norvs_13 (CQ), PhinkBoden_14 (CQ1), Smoothie_13 (CQ1), Toniann_13 (CQ1), WilliamBoone_11 (CQ1),

Summary by clusters:

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

Info for manual annotations of cluster CQ:

- Start number 2 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:

- Start number 2 was manually annotated 11 times for cluster CQ1.

Gene Information:

Gene: Abscondus_13 Start: 2940, Stop: 3107, Start Num: 2

Candidate Starts for Abscondus_13:

(Start: 2 @2940 has 12 MA's), (4, 3030), (5, 3048),

Gene: Aphelion_13 Start: 3104, Stop: 3271, Start Num: 2

Candidate Starts for Aphelion_13:

(Start: 2 @3104 has 12 MA's), (4, 3194),

Gene: Bachita_14 Start: 3616, Stop: 3783, Start Num: 2

Candidate Starts for Bachita_14:

(Start: 2 @3616 has 12 MA's), (4, 3706), (5, 3724), (6, 3757),

Gene: ClubL_13 Start: 3116, Stop: 3283, Start Num: 2

Candidate Starts for ClubL_13:

(Start: 2 @3116 has 12 MA's), (4, 3206), (5, 3224), (6, 3257),

Gene: Cucurbita_12 Start: 3116, Stop: 3283, Start Num: 2

Candidate Starts for Cucurbita_12:

(Start: 2 @3116 has 12 MA's), (4, 3206), (5, 3224), (6, 3257),

Gene: Culver_12 Start: 2940, Stop: 3107, Start Num: 2

Candidate Starts for Culver_12:

(Start: 2 @2940 has 12 MA's), (4, 3030), (5, 3048),

Gene: Engineer_13 Start: 3104, Stop: 3271, Start Num: 2

Candidate Starts for Engineer_13:

(Start: 2 @3104 has 12 MA's), (4, 3194),

Gene: Lozinak_13 Start: 3104, Stop: 3271, Start Num: 2

Candidate Starts for Lozinak_13:

(Start: 2 @3104 has 12 MA's), (4, 3194),

Gene: Miskis_15 Start: 3104, Stop: 3271, Start Num: 2

Candidate Starts for Miskis_15:

(Start: 2 @3104 has 12 MA's), (4, 3194),

Gene: Norvs_13 Start: 3104, Stop: 3271, Start Num: 2

Candidate Starts for Norvs_13:

(Start: 2 @3104 has 12 MA's), (4, 3194),

Gene: PhinkBoden_14 Start: 3602, Stop: 3769, Start Num: 2

Candidate Starts for PhinkBoden_14:

(Start: 2 @3602 has 12 MA's), (4, 3692), (5, 3710), (6, 3743),

Gene: Smoothie_13 Start: 3104, Stop: 3271, Start Num: 2

Candidate Starts for Smoothie_13:

(Start: 2 @3104 has 12 MA's), (4, 3194),

Gene: Toniann_13 Start: 3104, Stop: 3271, Start Num: 2

Candidate Starts for Toniann_13:

(Start: 2 @3104 has 12 MA's), (4, 3194),

Gene: WilliamBoone_11 Start: 2729, Stop: 2896, Start Num: 2

Candidate Starts for WilliamBoone_11:

(1, 2708), (Start: 2 @2729 has 12 MA's), (3, 2783), (4, 2819), (5, 2837),