



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 7364 Report

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

Pham number 7364 has 9 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Abscondus_91, Dusty_88
- Track 2 : Miskis_89
- Track 3 : Culver_94
- Track 4 : Aphelion_92, Toniann_93, Norvs_93, ClubL_93
- Track 5 : WilliamBoone_92

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 4, it was called in 6 of the 6 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abscondus_91, Aphelion_92, ClubL_93, Culver_94, Dusty_88, Miskis_89, Norvs_93, Toniann_93, WilliamBoone_92,

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 4:

- Found in 9 of 9 (100.0%) of genes in pham
- Manual Annotations of this start: 6 of 6
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_91 (CQ), Aphelion_92 (CQ1), ClubL_93 (CQ1), Culver_94 (CQ1), Dusty_88 (CQ), Miskis_89 (CQ), Norvs_93 (CQ), Toniann_93 (CQ1), WilliamBoone_92 (CQ1),

Summary by clusters:

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

Info for manual annotations of cluster CQ:

- Start number 4 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:

- Start number 4 was manually annotated 5 times for cluster CQ1.

Gene Information:

Gene: Abscondus_91 Start: 56514, Stop: 56687, Start Num: 4

Candidate Starts for Abscondus_91:

(Start: 4 @56514 has 6 MA's), (6, 56637),

Gene: Aphelion_92 Start: 57312, Stop: 57485, Start Num: 4

Candidate Starts for Aphelion_92:

(3, 57303), (Start: 4 @57312 has 6 MA's), (6, 57435),

Gene: ClubL_93 Start: 56447, Stop: 56620, Start Num: 4

Candidate Starts for ClubL_93:

(3, 56438), (Start: 4 @56447 has 6 MA's), (6, 56570),

Gene: Culver_94 Start: 56344, Stop: 56520, Start Num: 4

Candidate Starts for Culver_94:

(1, 56299), (2, 56332), (3, 56335), (Start: 4 @56344 has 6 MA's), (6, 56467),

Gene: Dusty_88 Start: 55761, Stop: 55934, Start Num: 4

Candidate Starts for Dusty_88:

(Start: 4 @55761 has 6 MA's), (6, 55884),

Gene: Miskis_89 Start: 55481, Stop: 55654, Start Num: 4

Candidate Starts for Miskis_89:

(2, 55469), (3, 55472), (Start: 4 @55481 has 6 MA's), (6, 55604),

Gene: Norvs_93 Start: 56957, Stop: 57130, Start Num: 4

Candidate Starts for Norvs_93:

(3, 56948), (Start: 4 @56957 has 6 MA's), (6, 57080),

Gene: Toniann_93 Start: 56900, Stop: 57073, Start Num: 4

Candidate Starts for Toniann_93:

(3, 56891), (Start: 4 @56900 has 6 MA's), (6, 57023),

Gene: WilliamBoone_92 Start: 55663, Stop: 55839, Start Num: 4

Candidate Starts for WilliamBoone_92:

(Start: 4 @55663 has 6 MA's), (5, 55720), (6, 55786), (7, 55798),