



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 4939 Report

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

Pham number 4939 has 17 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Engineer_123, Aphelion_122, Smoothie_123, Bachita_124, Lozinak_122
- Track 2 : ClubL_122, Dusty_118, Culver_122, Abscondus_121, Norvs_121
- Track 3 : Cucurbita_122, Miskis_120, PhinkBoden_121, Toniann_121
- Track 4 : Yvonnetastic_84, JonJames_86, Cardigan_87

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

The start number called the most often in the published annotations is 5, it was called in 13 of the 13 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abscondus_121, Aphelion_122, Bachita_124, Cardigan_87, ClubL_122, Cucurbita_122, Culver_122, Dusty_118, Engineer_123, JonJames_86, Lozinak_122, Miskis_120, Norvs_121, PhinkBoden_121, Smoothie_123, Toniann_121, Yvonnetastic_84,

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 5:

- Found in 17 of 17 (100.0%) of genes in pham
- Manual Annotations of this start: 13 of 13
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_121 (CQ), Aphelion_122 (CQ1), Bachita_124 (CQ1), Cardigan_87 (DD), ClubL_122 (CQ1), Cucurbita_122 (CQ1), Culver_122 (CQ1), Dusty_118 (CQ), Engineer_123 (CQ1), JonJames_86 (DD), Lozinak_122 (CQ1), Miskis_120 (CQ), Norvs_121 (CQ), PhinkBoden_121 (CQ1), Smoothie_123 (CQ1), Toniann_121 (CQ1), Yvonnetastic_84 (DD),

Summary by clusters:

There are 3 clusters represented in this pham: CQ1, CQ, DD,

Info for manual annotations of cluster CQ:

- Start number 5 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:

- Start number 5 was manually annotated 10 times for cluster CQ1.

Info for manual annotations of cluster DD:

- Start number 5 was manually annotated 2 times for cluster DD.

Gene Information:

Gene: Abscondus_121 Start: 68605, Stop: 68877, Start Num: 5

Candidate Starts for Abscondus_121:

(3, 68509), (Start: 5 @68605 has 13 MA's), (7, 68755),

Gene: Aphelion_122 Start: 69668, Stop: 69940, Start Num: 5

Candidate Starts for Aphelion_122:

(Start: 5 @69668 has 13 MA's), (7, 69818), (8, 69872),

Gene: Bachita_124 Start: 69447, Stop: 69719, Start Num: 5

Candidate Starts for Bachita_124:

(Start: 5 @69447 has 13 MA's), (7, 69597), (8, 69651),

Gene: Cardigan_87 Start: 54331, Stop: 54600, Start Num: 5

Candidate Starts for Cardigan_87:

(4, 54310), (Start: 5 @54331 has 13 MA's), (6, 54475), (9, 54568),

Gene: ClubL_122 Start: 68195, Stop: 68467, Start Num: 5

Candidate Starts for ClubL_122:

(3, 68099), (Start: 5 @68195 has 13 MA's), (7, 68345),

Gene: Cucurbita_122 Start: 69760, Stop: 70032, Start Num: 5

Candidate Starts for Cucurbita_122:

(1, 69466), (2, 69568), (3, 69664), (Start: 5 @69760 has 13 MA's), (7, 69910),

Gene: Culver_122 Start: 67955, Stop: 68227, Start Num: 5

Candidate Starts for Culver_122:

(3, 67859), (Start: 5 @67955 has 13 MA's), (7, 68105),

Gene: Dusty_118 Start: 68167, Stop: 68439, Start Num: 5

Candidate Starts for Dusty_118:

(3, 68071), (Start: 5 @68167 has 13 MA's), (7, 68317),

Gene: Engineer_123 Start: 69420, Stop: 69692, Start Num: 5

Candidate Starts for Engineer_123:

(Start: 5 @69420 has 13 MA's), (7, 69570), (8, 69624),

Gene: JonJames_86 Start: 54524, Stop: 54793, Start Num: 5
Candidate Starts for JonJames_86:
(4, 54503), (Start: 5 @54524 has 13 MA's), (6, 54668), (9, 54761),

Gene: Lozinak_122 Start: 69258, Stop: 69530, Start Num: 5
Candidate Starts for Lozinak_122:
(Start: 5 @69258 has 13 MA's), (7, 69408), (8, 69462),

Gene: Miskis_120 Start: 68093, Stop: 68365, Start Num: 5
Candidate Starts for Miskis_120:
(1, 67799), (2, 67901), (3, 67997), (Start: 5 @68093 has 13 MA's), (7, 68243),

Gene: Norvs_121 Start: 68677, Stop: 68949, Start Num: 5
Candidate Starts for Norvs_121:
(3, 68581), (Start: 5 @68677 has 13 MA's), (7, 68827),

Gene: PhinkBoden_121 Start: 69365, Stop: 69637, Start Num: 5
Candidate Starts for PhinkBoden_121:
(1, 69071), (2, 69173), (3, 69269), (Start: 5 @69365 has 13 MA's), (7, 69515),

Gene: Smoothie_123 Start: 69258, Stop: 69530, Start Num: 5
Candidate Starts for Smoothie_123:
(Start: 5 @69258 has 13 MA's), (7, 69408), (8, 69462),

Gene: Toniann_121 Start: 68610, Stop: 68882, Start Num: 5
Candidate Starts for Toniann_121:
(1, 68316), (2, 68418), (3, 68514), (Start: 5 @68610 has 13 MA's), (7, 68760),

Gene: Yvonnetastic_84 Start: 52065, Stop: 52334, Start Num: 5
Candidate Starts for Yvonnetastic_84:
(4, 52044), (Start: 5 @52065 has 13 MA's), (6, 52209), (9, 52302),