Pham 5683

1: Smoothie_88 + 7

2: Culver_88 + 1

3: PhinkBoden_86 + 3

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 5683 Report

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

Pham number 5683 has 14 members, 3 are drafts.

Phages represented in each track:
• Track 1 : Smoothie_88, Miskis_83, Aphelion_86, Norvs_87, Toniann_87, Abscondus_86, Dusty_83, ClubL_86
• Track 2 : Culver_88, WilliamBoone_86
• Track 3 : PhinkBoden_86, Cucurbita_88, Bachita_88, Engineer_88

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

The start number called the most often in the published annotations is 9, it was called in 11 of the 11 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abscondus_86, Aphelion_86, Bachita_88, ClubL_86, Cucurbita_88, Culver_88, Dusty_83, Engineer_88, Miskis_83, Norvs_87, PhinkBoden_86, Smoothie_88, Toniann_87, WilliamBoone_86,

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 9:
• Found in 14 of 14 (100.0%) of genes in pham
• Manual Annotations of this start: 11 of 11
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Abscondus_86 (CQ), Aphelion_86 (CQ1), Bachita_88 (CQ1), ClubL_86 (CQ1), Cucurbita_88 (CQ1), Culver_88 (CQ1), Dusty_83 (CQ), Engineer_88 (CQ1), Miskis_83 (CQ), Norvs_87 (CQ), PhinkBoden_86 (CQ1), Smoothie_88 (CQ1), Toniann_87 (CQ1), WilliamBoone_86 (CQ1),

Summary by clusters:

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

Info for manual annotations of cluster CQ:
•Start number 9 was manually annotated 1 time for cluster CQ.

Info for manual annotations of cluster CQ1:
•Start number 9 was manually annotated 10 times for cluster CQ1.

Gene Information:

Gene: Abscondus_86 Start: 53433, Stop: 53597, Start Num: 9
Candidate Starts for Abscondus_86:
(2, 53265), (6, 53355), (7, 53364), (8, 53379), (Start: 9 @53433 has 11 MA's),

Gene: Aphelion_86 Start: 54055, Stop: 54219, Start Num: 9
Candidate Starts for Aphelion_86:
(2, 53887), (6, 53977), (7, 53986), (8, 54001), (Start: 9 @54055 has 11 MA's),

Gene: Bachita_88 Start: 54481, Stop: 54645, Start Num: 9
Candidate Starts for Bachita_88:
(7, 54412), (8, 54427), (Start: 9 @54481 has 11 MA's),

Gene: ClubL_86 Start: 53168, Stop: 53332, Start Num: 9
Candidate Starts for ClubL_86:
(2, 53000), (6, 53090), (7, 53099), (8, 53114), (Start: 9 @53168 has 11 MA's),

Gene: Cucurbita_88 Start: 54988, Stop: 55152, Start Num: 9
Candidate Starts for Cucurbita_88:
(7, 54919), (8, 54934), (Start: 9 @54988 has 11 MA's),

Gene: Culver_88 Start: 53092, Stop: 53256, Start Num: 9
Candidate Starts for Culver_88:
(1, 52876), (3, 52930), (4, 52957), (5, 52981), (6, 53014), (7, 53023), (8, 53038), (Start: 9 @53092 has 11 MA's), (10, 53233),

Gene: Dusty_83 Start: 52680, Stop: 52844, Start Num: 9
Candidate Starts for Dusty_83:
(2, 52512), (6, 52602), (7, 52611), (8, 52626), (Start: 9 @52680 has 11 MA's),

Gene: Engineer_88 Start: 54454, Stop: 54618, Start Num: 9
Candidate Starts for Engineer_88:
(7, 54385), (8, 54400), (Start: 9 @54454 has 11 MA's),

Gene: Miskis_83 Start: 52196, Stop: 52360, Start Num: 9
Candidate Starts for Miskis_83:
(2, 52028), (6, 52118), (7, 52127), (8, 52142), (Start: 9 @52196 has 11 MA's),

Gene: Norvs_87 Start: 53700, Stop: 53864, Start Num: 9
Candidate Starts for Norvs_87:
(2, 53532), (6, 53622), (7, 53631), (8, 53646), (Start: 9 @53700 has 11 MA's),

Gene: PhinkBoden_86 Start: 54082, Stop: 54246, Start Num: 9
Candidate Starts for PhinkBoden_86:
(7, 54013), (8, 54028), (Start: 9 @54082 has 11 MA's),

Gene: Smoothie_88 Start: 54291, Stop: 54455, Start Num: 9
Candidate Starts for Smoothie_88:
(2, 54123), (6, 54213), (7, 54222), (8, 54237), (Start: 9 @54291 has 11 MA's),

Gene: Toniann_87 Start: 53643, Stop: 53807, Start Num: 9
Candidate Starts for Toniann_87:
(2, 53475), (6, 53565), (7, 53574), (8, 53589), (Start: 9 @53643 has 11 MA's),

Gene: WilliamBoone_86 Start: 52395, Stop: 52559, Start Num: 9
Candidate Starts for WilliamBoone_86:
(1, 52179), (3, 52233), (4, 52260), (5, 52284), (6, 52317), (7, 52326), (8, 52341), (Start: 9 @52395 has 11 MA's), (10, 52536),