Pham 5102

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 5102 Report

This analysis was run 04/05/24 on database version 557.

Pham number 5102 has 13 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Cookies_117, Gator_118, Harella_121, Willez_111, Amao_120, DrDrey_120, SirDuracell_120, Glexan_119, Bask21_120, Henry_118, IHOP_118
• Track 2 : Kostya_119
• Track 3 : Phaja_118

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:
• Amao_120, Bask21_120, Cookies_117, DrDrey_120, Gator_118, Glexan_119, Harella_121, Henry_118, IHOP_118, Kostya_119, Phaja_118, SirDuracell_120, Willez_111,

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 13 of 13 (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: Amao_120 (E), Bask21_120 (E), Cookies_117 (E), DrDrey_120 (E), Gator_118 (E), Glexan_119 (E), Harella_121 (E), Henry_118 (E), IHOP_118 (E), Kostya_119 (E), Phaja_118 (E), SirDuracell_120 (E), Willez_111 (E),

Summary by clusters:

There is one cluster represented in this pham: E

Info for manual annotations of cluster E:
•Start number 2 was manually annotated 12 times for cluster E.

Gene Information:

Gene: Amao_120 Start: 67311, Stop: 67409, Start Num: 2
Candidate Starts for Amao_120:
(1, 67251), (Start: 2 @67311 has 12 MA's),

Gene: Bask21_120 Start: 66113, Stop: 66211, Start Num: 2
Candidate Starts for Bask21_120:
(1, 66053), (Start: 2 @66113 has 12 MA's),

Gene: Cookies_117 Start: 67041, Stop: 67142, Start Num: 2
Candidate Starts for Cookies_117:
(1, 66981), (Start: 2 @67041 has 12 MA's),

Gene: DrDrey_120 Start: 68434, Stop: 68532, Start Num: 2
Candidate Starts for DrDrey_120:
(1, 68374), (Start: 2 @68434 has 12 MA's),

Gene: Gator_118 Start: 67008, Stop: 67106, Start Num: 2
Candidate Starts for Gator_118:
(1, 66948), (Start: 2 @67008 has 12 MA's),

Gene: Glexan_119 Start: 67158, Stop: 67256, Start Num: 2
Candidate Starts for Glexan_119:
(1, 67098), (Start: 2 @67158 has 12 MA's),

Gene: Harella_121 Start: 67674, Stop: 67772, Start Num: 2
Candidate Starts for Harella_121:
(1, 67614), (Start: 2 @67674 has 12 MA's),

Gene: Henry_118 Start: 66959, Stop: 67057, Start Num: 2
Candidate Starts for Henry_118:
(1, 66899), (Start: 2 @66959 has 12 MA's),

Gene: IHOP_118 Start: 66677, Stop: 66775, Start Num: 2
Candidate Starts for IHOP_118:
(1, 66617), (Start: 2 @66677 has 12 MA's),

Gene: Kostya_119 Start: 66779, Stop: 66877, Start Num: 2
Candidate Starts for Kostya_119:
(1, 66719), (Start: 2 @66779 has 12 MA's),

Gene: Phaja_118 Start: 66682, Stop: 66780, Start Num: 2
Candidate Starts for Phaja_118:
(1, 66622), (Start: 2 @66682 has 12 MA's),

Gene: SirDuracell_120 Start: 66613, Stop: 66711, Start Num: 2
Candidate Starts for SirDuracell_120:
(1, 66553), (Start: 2 @66613 has 12 MA's),

Gene: Willez_111 Start: 64867, Stop: 64965, Start Num: 2
Candidate Starts for Willez_111:
(1, 64807), (Start: 2 @64867 has 12 MA's),