Pham 87591

1: Jung_53 + 7

2: Polkaroo_57

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 87591 Report

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

Pham number 87591 has 9 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Jung_53, Island3_59, HC_53, Xula_51, Babsiella_61, Brujita_58, QueenHazel_52, Xeno_57
• Track 2 : Polkaroo_57

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

The start number called the most often in the published annotations is 1, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Babsiella_61, Brujita_58, HC_53, Island3_59, Jung_53, Polkaroo_57, QueenHazel_52, Xeno_57, Xula_51,

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 1:
• Found in 9 of 9 (100.0%) of genes in pham
• Manual Annotations of this start: 8 of 8
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Babsiella_61 (I1), Brujita_58 (I1), HC_53 (I1), Island3_59 (I1), Jung_53 (P1), Polkaroo_57 (P1), QueenHazel_52 (I1), Xeno_57 (N), Xula_51 (I1),

Summary by clusters:

There are 3 clusters represented in this pham: I1, P1, N,

Info for manual annotations of cluster I1:

•Start number 1 was manually annotated 6 times for cluster I1.

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

Info for manual annotations of cluster P1:
•Start number 1 was manually annotated 1 time for cluster P1.

Gene Information:

Gene: Babsiella_61 Start: 39866, Stop: 40300, Start Num: 1
Candidate Starts for Babsiella_61:
(Start: 1 @39866 has 8 MA's), (2, 40067), (3, 40100), (4, 40127), (5, 40220), (6, 40229),

Gene: Brujita_58 Start: 38746, Stop: 39180, Start Num: 1
Candidate Starts for Brujita_58:
(Start: 1 @38746 has 8 MA's), (2, 38947), (3, 38980), (4, 39007), (5, 39100), (6, 39109),

Gene: HC_53 Start: 35996, Stop: 36430, Start Num: 1
Candidate Starts for HC_53:
(Start: 1 @35996 has 8 MA's), (2, 36197), (3, 36230), (4, 36257), (5, 36350), (6, 36359),

Gene: Island3_59 Start: 38746, Stop: 39180, Start Num: 1
Candidate Starts for Island3_59:
(Start: 1 @38746 has 8 MA's), (2, 38947), (3, 38980), (4, 39007), (5, 39100), (6, 39109),

Gene: Jung_53 Start: 36311, Stop: 36745, Start Num: 1
Candidate Starts for Jung_53:
(Start: 1 @36311 has 8 MA's), (2, 36512), (3, 36545), (4, 36572), (5, 36665), (6, 36674),

Gene: Polkaroo_57 Start: 37919, Stop: 38353, Start Num: 1
Candidate Starts for Polkaroo_57:
(Start: 1 @37919 has 8 MA's), (2, 38120), (3, 38153), (4, 38180), (5, 38273), (6, 38282),

Gene: QueenHazel_52 Start: 36520, Stop: 36954, Start Num: 1
Candidate Starts for QueenHazel_52:
(Start: 1 @36520 has 8 MA's), (2, 36721), (3, 36754), (4, 36781), (5, 36874), (6, 36883),

Gene: Xeno_57 Start: 35966, Stop: 36400, Start Num: 1
Candidate Starts for Xeno_57:
(Start: 1 @35966 has 8 MA's), (2, 36167), (3, 36200), (4, 36227), (5, 36320), (6, 36329),

Gene: Xula_51 Start: 36122, Stop: 36556, Start Num: 1
Candidate Starts for Xula_51:
(Start: 1 @36122 has 8 MA's), (2, 36323), (3, 36356), (4, 36383), (5, 36476), (6, 36485),