Pham 200797

1: Kerberos_91 + 6

2: D32_79 + 2

3: Yecey3_94

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 200797 Report

This analysis was run 01/18/25 on database version 583.

Pham number 200797 has 11 members, 1 are drafts.

Phages represented in each track:
• Track 1 : Kerberos_91, Travvers_91, Duplo_92, StarStuff_91, DBQu4n_91, Pomar16_91, Tomathan_91
• Track 2 : D32_79, D29_82.1, Naji_80
• Track 3 : Yecey3_94

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

The start number called the most often in the published annotations is 8, it was called in 9 of the 10 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• D29_82.1, D32_79, DBQu4n_91, Duplo_92, Kerberos_91, Naji_80, Pomar16_91, StarStuff_91, Tomathan_91, Travvers_91,

Genes that have the "Most Annotated" start but do not call it:
•

Genes that do not have the "Most Annotated" start:
• Yecey3_94,

Summary by start number:

Start 7:
• Found in 1 of 11 (9.1%) of genes in pham
• Manual Annotations of this start: 1 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yecey3_94 (A9),

Start 8:
• Found in 10 of 11 (90.9%) of genes in pham
• Manual Annotations of this start: 9 of 10
• Called 100.0% of time when present
• Phage (with cluster) where this start called: D29_82.1 (A2), D32_79 (A2), DBQu4n_91 (A2), Duplo_92 (A2), Kerberos_91 (A2), Naji_80 (A2), Pomar16_91 (A2),

StarStuff_91 (A2), Tomathan_91 (A2), Travvers_91 (A2),

Summary by clusters:

There are 2 clusters represented in this pham: A9, A2,

Info for manual annotations of cluster A2:
•Start number 8 was manually annotated 9 times for cluster A2.

Info for manual annotations of cluster A9:
•Start number 7 was manually annotated 1 time for cluster A9.

Gene Information:
Gene: D29_82.1 Start: 46022, Stop: 45891, Start Num: 8
Candidate Starts for D29_82.1:
(1, 46283), (4, 46172), (5, 46139), (Start: 8 @46022 has 9 MA's), (9, 45998), (11, 45950),

Gene: D32_79 Start: 46022, Stop: 45891, Start Num: 8
Candidate Starts for D32_79:
(1, 46283), (4, 46172), (5, 46139), (Start: 8 @46022 has 9 MA's), (9, 45998), (11, 45950),

Gene: DBQu4n_91 Start: 49637, Stop: 49506, Start Num: 8
Candidate Starts for DBQu4n_91:
(1, 49898), (5, 49754), (Start: 8 @49637 has 9 MA's), (9, 49613), (11, 49565),

Gene: Duplo_92 Start: 49694, Stop: 49563, Start Num: 8
Candidate Starts for Duplo_92:
(1, 49955), (5, 49811), (Start: 8 @49694 has 9 MA's), (9, 49670), (11, 49622),

Gene: Kerberos_91 Start: 49657, Stop: 49526, Start Num: 8
Candidate Starts for Kerberos_91:
(1, 49918), (5, 49774), (Start: 8 @49657 has 9 MA's), (9, 49633), (11, 49585),

Gene: Naji_80 Start: 46022, Stop: 45891, Start Num: 8
Candidate Starts for Naji_80:
(1, 46283), (4, 46172), (5, 46139), (Start: 8 @46022 has 9 MA's), (9, 45998), (11, 45950),

Gene: Pomar16_91 Start: 49730, Stop: 49599, Start Num: 8
Candidate Starts for Pomar16_91:
(1, 49991), (5, 49847), (Start: 8 @49730 has 9 MA's), (9, 49706), (11, 49658),

Gene: StarStuff_91 Start: 49692, Stop: 49561, Start Num: 8
Candidate Starts for StarStuff_91:
(1, 49953), (5, 49809), (Start: 8 @49692 has 9 MA's), (9, 49668), (11, 49620),

Gene: Tomathan_91 Start: 49771, Stop: 49640, Start Num: 8
Candidate Starts for Tomathan_91:
(1, 50032), (5, 49888), (Start: 8 @49771 has 9 MA's), (9, 49747), (11, 49699),

Gene: Travvers_91 Start: 49688, Stop: 49557, Start Num: 8

Candidate Starts for Travvers_91:
(1, 49949), (5, 49805), (Start: 8 @49688 has 9 MA's), (9, 49664), (11, 49616),

Gene: Yecey3_94 Start: 49506, Stop: 49369, Start Num: 7
Candidate Starts for Yecey3_94:
(2, 49656), (3, 49620), (6, 49584), (Start: 7 @49506 has 1 MA's), (9, 49476), (10, 49431),