



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 309472 Report

This analysis was run 09/05/26 on database version 662.

Pham number 309472 has 16 members, 2 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 : Vanisoa_87
- Track 4 : Arissanae_87
- Track 5 : LoneWolf_92, WorldCup_90
- Track 6 : Alma_90
- Track 7 : 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 7, it was called in 10 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alma_90, 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:

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Genes that do not have the "Most Annotated" start:

- Arissanae_87, LoneWolf_92, Vanisoa_87, WorldCup_90, Yecey3_94,

Summary by start number:

Start 6:

- Found in 5 of 16 (31.2%) of genes in pham
- Manual Annotations of this start: 4 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arissanae_87 (A9), LoneWolf_92 (A9), Vanisoa_87 (A9), WorldCup_90 (A9), Yecey3_94 (A9),

Start 7:

- Found in 11 of 16 (68.8%) of genes in pham
- Manual Annotations of this start: 10 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alma_90 (A9), 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 7 was manually annotated 9 times for cluster A2.

Info for manual annotations of cluster A9:

- Start number 6 was manually annotated 4 times for cluster A9.
- Start number 7 was manually annotated 1 time for cluster A9.

Gene Information:

Gene: Alma_90 Start: 49601, Stop: 49470, Start Num: 7

Candidate Starts for Alma_90:

(Start: 7 @49601 has 10 MA's), (8, 49574), (10, 49550), (12, 49532),

Gene: Arissanae_87 Start: 49463, Stop: 49338, Start Num: 6

Candidate Starts for Arissanae_87:

(Start: 6 @49463 has 4 MA's), (9, 49430), (11, 49415), (12, 49400), (14, 49373), (15, 49346),

Gene: D29_82.1 Start: 46022, Stop: 45891, Start Num: 7

Candidate Starts for D29_82.1:

(1, 46283), (3, 46172), (4, 46139), (Start: 7 @46022 has 10 MA's), (8, 45998), (13, 45950),

Gene: D32_79 Start: 46022, Stop: 45891, Start Num: 7

Candidate Starts for D32_79:

(1, 46283), (3, 46172), (4, 46139), (Start: 7 @46022 has 10 MA's), (8, 45998), (13, 45950),

Gene: DBQu4n_91 Start: 49637, Stop: 49506, Start Num: 7

Candidate Starts for DBQu4n_91:

(1, 49898), (4, 49754), (Start: 7 @49637 has 10 MA's), (8, 49613), (13, 49565),

Gene: Duplo_92 Start: 49694, Stop: 49563, Start Num: 7

Candidate Starts for Duplo_92:

(1, 49955), (4, 49811), (Start: 7 @49694 has 10 MA's), (8, 49670), (13, 49622),

Gene: Kerberos_91 Start: 49657, Stop: 49526, Start Num: 7

Candidate Starts for Kerberos_91:

(1, 49918), (4, 49774), (Start: 7 @49657 has 10 MA's), (8, 49633), (13, 49585),

Gene: LoneWolf_92 Start: 49689, Stop: 49564, Start Num: 6

Candidate Starts for LoneWolf_92:

(Start: 6 @49689 has 4 MA's), (12, 49626), (14, 49599),

Gene: Naji_80 Start: 46022, Stop: 45891, Start Num: 7

Candidate Starts for Naji_80:

(1, 46283), (3, 46172), (4, 46139), (Start: 7 @46022 has 10 MA's), (8, 45998), (13, 45950),

Gene: Pomar16_91 Start: 49730, Stop: 49599, Start Num: 7

Candidate Starts for Pomar16_91:

(1, 49991), (4, 49847), (Start: 7 @49730 has 10 MA's), (8, 49706), (13, 49658),

Gene: StarStuff_91 Start: 49692, Stop: 49561, Start Num: 7

Candidate Starts for StarStuff_91:

(1, 49953), (4, 49809), (Start: 7 @49692 has 10 MA's), (8, 49668), (13, 49620),

Gene: Tomathan_91 Start: 49771, Stop: 49640, Start Num: 7

Candidate Starts for Tomathan_91:

(1, 50032), (4, 49888), (Start: 7 @49771 has 10 MA's), (8, 49747), (13, 49699),

Gene: Travvers_91 Start: 49688, Stop: 49557, Start Num: 7

Candidate Starts for Travvers_91:

(1, 49949), (4, 49805), (Start: 7 @49688 has 10 MA's), (8, 49664), (13, 49616),

Gene: Vanisoa_87 Start: 49797, Stop: 49672, Start Num: 6

Candidate Starts for Vanisoa_87:

(Start: 6 @49797 has 4 MA's), (11, 49749), (12, 49734), (14, 49707),

Gene: WorldCup_90 Start: 49256, Stop: 49131, Start Num: 6

Candidate Starts for WorldCup_90:

(Start: 6 @49256 has 4 MA's), (12, 49193), (14, 49166),

Gene: Yecey3_94 Start: 49506, Stop: 49369, Start Num: 6

Candidate Starts for Yecey3_94:

(2, 49656), (4, 49620), (5, 49584), (Start: 6 @49506 has 4 MA's), (8, 49476), (12, 49431),