



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 295338 Report

This analysis was run 04/18/26 on database version 643.

Pham number 295338 has 9 members, 1 are drafts.

Phages represented in each track:

- Track 1 : VasuNzinga_89, JoieB_92, Blackbeetle_92, Tesla_87, Poise_92, RedRaider77_91, Caprice_84, Raela_93
- Track 2 : Gattaca_90

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

The start number called the most often in the published annotations is 6, it was called in 8 of the 8 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Blackbeetle_92, Caprice_84, Gattaca_90, JoieB_92, Poise_92, Raela_93, RedRaider77_91, Tesla_87, VasuNzinga_89,

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 6:

- 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: Blackbeetle_92 (S), Caprice_84 (S), Gattaca_90 (S), JoieB_92 (S), Poise_92 (S), Raela_93 (S), RedRaider77_91 (S), Tesla_87 (S), VasuNzinga_89 (S),

Summary by clusters:

There is one cluster represented in this pham: S

Info for manual annotations of cluster S:

- Start number 6 was manually annotated 8 times for cluster S.

Gene Information:

Gene: Blackbeetle_92 Start: 48480, Stop: 48686, Start Num: 6

Candidate Starts for Blackbeetle_92:

(1, 48285), (2, 48348), (4, 48402), (5, 48423), (Start: 6 @48480 has 8 MA's), (7, 48612),

Gene: Caprice_84 Start: 48418, Stop: 48624, Start Num: 6

Candidate Starts for Caprice_84:

(1, 48223), (2, 48286), (4, 48340), (5, 48361), (Start: 6 @48418 has 8 MA's), (7, 48550),

Gene: Gattaca_90 Start: 48894, Stop: 49100, Start Num: 6

Candidate Starts for Gattaca_90:

(3, 48813), (Start: 6 @48894 has 8 MA's), (7, 49026),

Gene: JoieB_92 Start: 49067, Stop: 49273, Start Num: 6

Candidate Starts for JoieB_92:

(1, 48872), (2, 48935), (4, 48989), (5, 49010), (Start: 6 @49067 has 8 MA's), (7, 49199),

Gene: Poise_92 Start: 48480, Stop: 48686, Start Num: 6

Candidate Starts for Poise_92:

(1, 48285), (2, 48348), (4, 48402), (5, 48423), (Start: 6 @48480 has 8 MA's), (7, 48612),

Gene: Raela_93 Start: 49031, Stop: 49237, Start Num: 6

Candidate Starts for Raela_93:

(1, 48836), (2, 48899), (4, 48953), (5, 48974), (Start: 6 @49031 has 8 MA's), (7, 49163),

Gene: RedRaider77_91 Start: 48425, Stop: 48631, Start Num: 6

Candidate Starts for RedRaider77_91:

(1, 48230), (2, 48293), (4, 48347), (5, 48368), (Start: 6 @48425 has 8 MA's), (7, 48557),

Gene: Tesla_87 Start: 48274, Stop: 48480, Start Num: 6

Candidate Starts for Tesla_87:

(1, 48079), (2, 48142), (4, 48196), (5, 48217), (Start: 6 @48274 has 8 MA's), (7, 48406),

Gene: VasuNzinga_89 Start: 48363, Stop: 48569, Start Num: 6

Candidate Starts for VasuNzinga_89:

(1, 48168), (2, 48231), (4, 48285), (5, 48306), (Start: 6 @48363 has 8 MA's), (7, 48495),