



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 4190 Report

This analysis was run 04/28/24 on database version 559.

Pham number 4190 has 18 members, 2 are drafts.

Phages represented in each track:

- Track 1 : MosMoris_82, Caprice_80, Blackbeetle_88, Poise_88, RedRaider77_87, Tesla_83, Raela_89, Gattaca_85, Lilbit_86, LittleLaf_86
- Track 2 : Beelzebub_92, Huphlepuuff_90, Marvin_82, JoieB_88, Corazon_83, VasuNzinga_85, Pringar_84, Clarkson_89

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 16 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Beelzebub_92, Blackbeetle_88, Caprice_80, Clarkson_89, Corazon_83, Gattaca_85, Huphlepuuff_90, JoieB_88, Lilbit_86, LittleLaf_86, Marvin_82, MosMoris_82, Poise_88, Pringar_84, Raela_89, RedRaider77_87, Tesla_83, VasuNzinga_85,

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 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 16 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beelzebub_92 (S), Blackbeetle_88 (S), Caprice_80 (S), Clarkson_89 (S), Corazon_83 (S), Gattaca_85 (S), Huphlepuuff_90 (S), JoieB_88 (S), Lilbit_86 (S), LittleLaf_86 (S), Marvin_82 (S), MosMoris_82 (S), Poise_88 (S), Pringar_84 (S), Raela_89 (S), RedRaider77_87 (S), Tesla_83 (S), VasuNzinga_85 (S),

Summary by clusters:

There is one cluster represented in this pham: S

Info for manual annotations of cluster S:

- Start number 1 was manually annotated 16 times for cluster S.

Gene Information:

Gene: Beelzebub_92 Start: 47385, Stop: 47555, Start Num: 1

Candidate Starts for Beelzebub_92:

(Start: 1 @47385 has 16 MA's), (3, 47514), (4, 47547),

Gene: Blackbeetle_88 Start: 46746, Stop: 46916, Start Num: 1

Candidate Starts for Blackbeetle_88:

(Start: 1 @46746 has 16 MA's), (2, 46818), (3, 46875), (4, 46908),

Gene: Caprice_80 Start: 46684, Stop: 46854, Start Num: 1

Candidate Starts for Caprice_80:

(Start: 1 @46684 has 16 MA's), (2, 46756), (3, 46813), (4, 46846),

Gene: Clarkson_89 Start: 47065, Stop: 47235, Start Num: 1

Candidate Starts for Clarkson_89:

(Start: 1 @47065 has 16 MA's), (3, 47194), (4, 47227),

Gene: Corazon_83 Start: 47259, Stop: 47429, Start Num: 1

Candidate Starts for Corazon_83:

(Start: 1 @47259 has 16 MA's), (3, 47388), (4, 47421),

Gene: Gattaca_85 Start: 46844, Stop: 47014, Start Num: 1

Candidate Starts for Gattaca_85:

(Start: 1 @46844 has 16 MA's), (2, 46916), (3, 46973), (4, 47006),

Gene: Huphlebuff_90 Start: 46870, Stop: 47040, Start Num: 1

Candidate Starts for Huphlebuff_90:

(Start: 1 @46870 has 16 MA's), (3, 46999), (4, 47032),

Gene: JoieB_88 Start: 47333, Stop: 47503, Start Num: 1

Candidate Starts for JoieB_88:

(Start: 1 @47333 has 16 MA's), (3, 47462), (4, 47495),

Gene: Lilbit_86 Start: 47430, Stop: 47600, Start Num: 1

Candidate Starts for Lilbit_86:

(Start: 1 @47430 has 16 MA's), (2, 47502), (3, 47559), (4, 47592),

Gene: LittleLaf_86 Start: 47159, Stop: 47329, Start Num: 1

Candidate Starts for LittleLaf_86:

(Start: 1 @47159 has 16 MA's), (2, 47231), (3, 47288), (4, 47321),

Gene: Marvin_82 Start: 46955, Stop: 47125, Start Num: 1

Candidate Starts for Marvin_82:

(Start: 1 @46955 has 16 MA's), (3, 47084), (4, 47117),

Gene: MosMoris_82 Start: 46850, Stop: 47020, Start Num: 1

Candidate Starts for MosMoris_82:

(Start: 1 @46850 has 16 MA's), (2, 46922), (3, 46979), (4, 47012),

Gene: Poise_88 Start: 46746, Stop: 46916, Start Num: 1

Candidate Starts for Poise_88:

(Start: 1 @46746 has 16 MA's), (2, 46818), (3, 46875), (4, 46908),

Gene: Pringar_84 Start: 46671, Stop: 46841, Start Num: 1

Candidate Starts for Pringar_84:

(Start: 1 @46671 has 16 MA's), (3, 46800), (4, 46833),

Gene: Raela_89 Start: 47297, Stop: 47467, Start Num: 1

Candidate Starts for Raela_89:

(Start: 1 @47297 has 16 MA's), (2, 47369), (3, 47426), (4, 47459),

Gene: RedRaider77_87 Start: 46691, Stop: 46861, Start Num: 1

Candidate Starts for RedRaider77_87:

(Start: 1 @46691 has 16 MA's), (2, 46763), (3, 46820), (4, 46853),

Gene: Tesla_83 Start: 46540, Stop: 46710, Start Num: 1

Candidate Starts for Tesla_83:

(Start: 1 @46540 has 16 MA's), (2, 46612), (3, 46669), (4, 46702),

Gene: VasuNzinga_85 Start: 46629, Stop: 46799, Start Num: 1

Candidate Starts for VasuNzinga_85:

(Start: 1 @46629 has 16 MA's), (3, 46758), (4, 46791),