



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 164011 Report

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

Pham number 164011 has 15 members, 1 are drafts.

Phages represented in each track:

- Track 1 : Appletree2_58, Halena_56, Acquire49_58, Rose5_58, AvadaKedavra_58, CicholasNage_57, Silverleaf_58, DirkDirk_55, LeBron_57, JoeDirt_56, Tyson_58, MAckerman_56, UPIE_57, Enceladus_56, Wyatt2_59

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

The start number called the most often in the published annotations is 2, it was called in 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Acquire49_58, Appletree2_58, AvadaKedavra_58, CicholasNage_57, DirkDirk_55, Enceladus_56, Halena_56, JoeDirt_56, LeBron_57, MAckerman_56, Rose5_58, Silverleaf_58, Tyson_58, UPIE_57, Wyatt2_59,

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 2:

- Found in 15 of 15 (100.0%) of genes in pham
- Manual Annotations of this start: 14 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acquire49_58 (L1), Appletree2_58 (L1), AvadaKedavra_58 (L1), CicholasNage_57 (L1), DirkDirk_55 (L1), Enceladus_56 (L1), Halena_56 (L1), JoeDirt_56 (L1), LeBron_57 (L1), MAckerman_56 (L1), Rose5_58 (L1), Silverleaf_58 (L1), Tyson_58 (L1), UPIE_57 (L1), Wyatt2_59 (L1),

Summary by clusters:

There is one cluster represented in this pham: L1

Info for manual annotations of cluster L1:

•Start number 2 was manually annotated 14 times for cluster L1.

Gene Information:

Gene: Acquire49_58 Start: 41213, Stop: 41395, Start Num: 2

Candidate Starts for Acquire49_58:

(1, 41162), (Start: 2 @41213 has 14 MA's), (3, 41258), (4, 41270), (5, 41285), (6, 41288), (7, 41309), (8, 41360), (9, 41378),

Gene: Appletree2_58 Start: 41505, Stop: 41687, Start Num: 2

Candidate Starts for Appletree2_58:

(1, 41454), (Start: 2 @41505 has 14 MA's), (3, 41550), (4, 41562), (5, 41577), (6, 41580), (7, 41601), (8, 41652), (9, 41670),

Gene: AvadaKedavra_58 Start: 41286, Stop: 41468, Start Num: 2

Candidate Starts for AvadaKedavra_58:

(1, 41235), (Start: 2 @41286 has 14 MA's), (3, 41331), (4, 41343), (5, 41358), (6, 41361), (7, 41382), (8, 41433), (9, 41451),

Gene: CicholasNage_57 Start: 41249, Stop: 41431, Start Num: 2

Candidate Starts for CicholasNage_57:

(1, 41198), (Start: 2 @41249 has 14 MA's), (3, 41294), (4, 41306), (5, 41321), (6, 41324), (7, 41345), (8, 41396), (9, 41414),

Gene: DirkDirk_55 Start: 41091, Stop: 41273, Start Num: 2

Candidate Starts for DirkDirk_55:

(1, 41040), (Start: 2 @41091 has 14 MA's), (3, 41136), (4, 41148), (5, 41163), (6, 41166), (7, 41187), (8, 41238), (9, 41256),

Gene: Enceladus_56 Start: 41086, Stop: 41268, Start Num: 2

Candidate Starts for Enceladus_56:

(1, 41035), (Start: 2 @41086 has 14 MA's), (3, 41131), (4, 41143), (5, 41158), (6, 41161), (7, 41182), (8, 41233), (9, 41251),

Gene: Halena_56 Start: 41128, Stop: 41310, Start Num: 2

Candidate Starts for Halena_56:

(1, 41077), (Start: 2 @41128 has 14 MA's), (3, 41173), (4, 41185), (5, 41200), (6, 41203), (7, 41224), (8, 41275), (9, 41293),

Gene: JoeDirt_56 Start: 41086, Stop: 41268, Start Num: 2

Candidate Starts for JoeDirt_56:

(1, 41035), (Start: 2 @41086 has 14 MA's), (3, 41131), (4, 41143), (5, 41158), (6, 41161), (7, 41182), (8, 41233), (9, 41251),

Gene: LeBron_57 Start: 41131, Stop: 41313, Start Num: 2

Candidate Starts for LeBron_57:

(1, 41080), (Start: 2 @41131 has 14 MA's), (3, 41176), (4, 41188), (5, 41203), (6, 41206), (7, 41227), (8, 41278), (9, 41296),

Gene: MAckerman_56 Start: 41121, Stop: 41303, Start Num: 2

Candidate Starts for MAckerman_56:

(1, 41070), (Start: 2 @41121 has 14 MA's), (3, 41166), (4, 41178), (5, 41193), (6, 41196), (7, 41217), (8, 41268), (9, 41286),

Gene: Rose5_58 Start: 41548, Stop: 41730, Start Num: 2

Candidate Starts for Rose5_58:

(1, 41497), (Start: 2 @41548 has 14 MA's), (3, 41593), (4, 41605), (5, 41620), (6, 41623), (7, 41644), (8, 41695), (9, 41713),

Gene: Silverleaf_58 Start: 41283, Stop: 41465, Start Num: 2

Candidate Starts for Silverleaf_58:

(1, 41232), (Start: 2 @41283 has 14 MA's), (3, 41328), (4, 41340), (5, 41355), (6, 41358), (7, 41379), (8, 41430), (9, 41448),

Gene: Tyson_58 Start: 41550, Stop: 41732, Start Num: 2

Candidate Starts for Tyson_58:

(1, 41499), (Start: 2 @41550 has 14 MA's), (3, 41595), (4, 41607), (5, 41622), (6, 41625), (7, 41646), (8, 41697), (9, 41715),

Gene: UPIE_57 Start: 41100, Stop: 41282, Start Num: 2

Candidate Starts for UPIE_57:

(1, 41049), (Start: 2 @41100 has 14 MA's), (3, 41145), (4, 41157), (5, 41172), (6, 41175), (7, 41196), (8, 41247), (9, 41265),

Gene: Wyatt2_59 Start: 41548, Stop: 41730, Start Num: 2

Candidate Starts for Wyatt2_59:

(1, 41497), (Start: 2 @41548 has 14 MA's), (3, 41593), (4, 41605), (5, 41620), (6, 41623), (7, 41644), (8, 41695), (9, 41713),