



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 4425 Report

This analysis was run 07/09/24 on database version 566.

Pham number 4425 has 18 members, 1 are drafts.

Phages represented in each track:

- Track 1 : AvadaKedavra_102, Calm_105, Enceladus_99, MAckerman_99, DirkDirk_99, CicholasNage_98, Silverleaf_100, Tyson_104, Zaria_104, OhShagHennessy_97, Wyatt2_103
- Track 2 : UPIE_101, Wamburgrxpress_100, Appletree2_100, LeBron_101, Halena_101, Rose5_103, Acquire49_102

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 10 of the 17 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AvadaKedavra_102, Calm_105, CicholasNage_98, DirkDirk_99, Enceladus_99, MAckerman_99, OhShagHennessy_97, Silverleaf_100, Tyson_104, Wyatt2_103, Zaria_104,

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

- Acquire49_102, Appletree2_100, Halena_101, LeBron_101, Rose5_103, UPIE_101, Wamburgrxpress_100,

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: 10 of 17
- Called 61.1% of time when present
- Phage (with cluster) where this start called: AvadaKedavra_102 (L1), Calm_105 (L1), CicholasNage_98 (L1), DirkDirk_99 (L1), Enceladus_99 (L1), MAckerman_99 (L1), OhShagHennessy_97 (L1), Silverleaf_100 (L1), Tyson_104 (L1), Wyatt2_103 (L1), Zaria_104 (L1),

Start 2:

- Found in 18 of 18 (100.0%) of genes in pham
- Manual Annotations of this start: 7 of 17
- Called 38.9% of time when present
- Phage (with cluster) where this start called: Acquire49_102 (L1), Appletree2_100 (L1), Halena_101 (L1), LeBron_101 (L1), Rose5_103 (L1), UPIE_101 (L1), Wamburgxpress_100 (L1),

Summary by clusters:

There is one cluster represented in this pham: L1

Info for manual annotations of cluster L1:

- Start number 1 was manually annotated 10 times for cluster L1.
- Start number 2 was manually annotated 7 times for cluster L1.

Gene Information:

Gene: Acquire49_102 Start: 61181, Stop: 61270, Start Num: 2

Candidate Starts for Acquire49_102:

(Start: 1 @61157 has 10 MA's), (Start: 2 @61181 has 7 MA's), (3, 61190), (4, 61193), (5, 61259),

Gene: Appletree2_100 Start: 60694, Stop: 60783, Start Num: 2

Candidate Starts for Appletree2_100:

(Start: 1 @60670 has 10 MA's), (Start: 2 @60694 has 7 MA's), (3, 60703), (4, 60706), (5, 60772),

Gene: AvadaKedavra_102 Start: 61269, Stop: 61382, Start Num: 1

Candidate Starts for AvadaKedavra_102:

(Start: 1 @61269 has 10 MA's), (Start: 2 @61293 has 7 MA's), (3, 61302), (4, 61305), (5, 61371),

Gene: Calm_105 Start: 61702, Stop: 61815, Start Num: 1

Candidate Starts for Calm_105:

(Start: 1 @61702 has 10 MA's), (Start: 2 @61726 has 7 MA's), (3, 61735), (4, 61738), (5, 61804),

Gene: CicholasNage_98 Start: 60651, Stop: 60764, Start Num: 1

Candidate Starts for CicholasNage_98:

(Start: 1 @60651 has 10 MA's), (Start: 2 @60675 has 7 MA's), (3, 60684), (4, 60687), (5, 60753),

Gene: DirkDirk_99 Start: 60528, Stop: 60641, Start Num: 1

Candidate Starts for DirkDirk_99:

(Start: 1 @60528 has 10 MA's), (Start: 2 @60552 has 7 MA's), (3, 60561), (4, 60564), (5, 60630),

Gene: Enceladus_99 Start: 60826, Stop: 60939, Start Num: 1

Candidate Starts for Enceladus_99:

(Start: 1 @60826 has 10 MA's), (Start: 2 @60850 has 7 MA's), (3, 60859), (4, 60862), (5, 60928),

Gene: Halena_101 Start: 60642, Stop: 60731, Start Num: 2

Candidate Starts for Halena_101:

(Start: 1 @60618 has 10 MA's), (Start: 2 @60642 has 7 MA's), (3, 60651), (4, 60654), (5, 60720),

Gene: LeBron_101 Start: 60783, Stop: 60872, Start Num: 2

Candidate Starts for LeBron_101:

(Start: 1 @60759 has 10 MA's), (Start: 2 @60783 has 7 MA's), (3, 60792), (4, 60795), (5, 60861),

Gene: MAckerman_99 Start: 60611, Stop: 60724, Start Num: 1

Candidate Starts for MAckerman_99:

(Start: 1 @60611 has 10 MA's), (Start: 2 @60635 has 7 MA's), (3, 60644), (4, 60647), (5, 60713),

Gene: OhShagHennessy_97 Start: 60087, Stop: 60200, Start Num: 1

Candidate Starts for OhShagHennessy_97:

(Start: 1 @60087 has 10 MA's), (Start: 2 @60111 has 7 MA's), (3, 60120), (4, 60123), (5, 60189),

Gene: Rose5_103 Start: 61455, Stop: 61544, Start Num: 2

Candidate Starts for Rose5_103:

(Start: 1 @61431 has 10 MA's), (Start: 2 @61455 has 7 MA's), (3, 61464), (4, 61467), (5, 61533),

Gene: Silverleaf_100 Start: 60571, Stop: 60684, Start Num: 1

Candidate Starts for Silverleaf_100:

(Start: 1 @60571 has 10 MA's), (Start: 2 @60595 has 7 MA's), (3, 60604), (4, 60607), (5, 60673),

Gene: Tyson_104 Start: 61862, Stop: 61975, Start Num: 1

Candidate Starts for Tyson_104:

(Start: 1 @61862 has 10 MA's), (Start: 2 @61886 has 7 MA's), (3, 61895), (4, 61898), (5, 61964),

Gene: UPIE_101 Start: 61126, Stop: 61215, Start Num: 2

Candidate Starts for UPIE_101:

(Start: 1 @61102 has 10 MA's), (Start: 2 @61126 has 7 MA's), (3, 61135), (4, 61138), (5, 61204),

Gene: Wamburgrxpress_100 Start: 60995, Stop: 61084, Start Num: 2

Candidate Starts for Wamburgrxpress_100:

(Start: 1 @60971 has 10 MA's), (Start: 2 @60995 has 7 MA's), (3, 61004), (4, 61007), (5, 61073),

Gene: Wyatt2_103 Start: 61525, Stop: 61638, Start Num: 1

Candidate Starts for Wyatt2_103:

(Start: 1 @61525 has 10 MA's), (Start: 2 @61549 has 7 MA's), (3, 61558), (4, 61561), (5, 61627),

Gene: Zaria_104 Start: 61167, Stop: 61280, Start Num: 1

Candidate Starts for Zaria_104:

(Start: 1 @61167 has 10 MA's), (Start: 2 @61191 has 7 MA's), (3, 61200), (4, 61203), (5, 61269),