



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 3440 Report

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

Pham number 3440 has 28 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Murai_104, JangDynasty_100, Wildflower_101, Shida_106, TelAviv_101, YungJamal_103, Ryadel_108, NiebruSaylor_104, Corndog_101, Krili_106, Ashwin_101, Vorrps_104, Mori_104, Alkhayr_100, FoulBall_100, Blessica_102, SchoolBus_103, Dylan_99, Schuy_104, Smooch_103, Winget_104, Idergollasper_106, Bora_103, Catdawg_105, MadKillah_107, Zakhe101_99
- Track 2 : Familton_105, Firecracker_104

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 26 of the 26 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alkhayr_100, Ashwin_101, Blessica_102, Bora_103, Catdawg_105, Corndog_101, Dylan_99, Familton_105, Firecracker_104, FoulBall_100, Idergollasper_106, JangDynasty_100, Krili_106, MadKillah_107, Mori_104, Murai_104, NiebruSaylor_104, Ryadel_108, SchoolBus_103, Schuy_104, Shida_106, Smooch_103, TelAviv_101, Vorrps_104, Wildflower_101, Winget_104, YungJamal_103, Zakhe101_99,

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 28 of 28 (100.0%) of genes in pham
- Manual Annotations of this start: 26 of 26
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alkhayr_100 (O), Ashwin_101 (O), Blessica_102 (O), Bora_103 (O), Catdawg_105 (O), Corndog_101 (O), Dylan_99 (O),

Familton_105 (O), Firecracker_104 (O), FoulBall_100 (O), Idergollasper_106 (O), JangDynasty_100 (O), Krili_106 (O), MadKillah_107 (O), Mori_104 (O), Murai_104 (O), NiebruSaylor_104 (O), Ryadel_108 (O), SchoolBus_103 (O), Schuy_104 (O), Shida_106 (O), Smooch_103 (O), TelAviv_101 (O), Vorrps_104 (O), Wildflower_101 (O), Winget_104 (O), YungJamal_103 (O), Zakhe101_99 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:

•Start number 1 was manually annotated 26 times for cluster O.

Gene Information:

Gene: Alkhayr_100 Start: 62943, Stop: 62614, Start Num: 1

Candidate Starts for Alkhayr_100:

(Start: 1 @62943 has 26 MA's), (2, 62901), (3, 62868), (4, 62838), (5, 62799), (6, 62682), (7, 62634), (8, 62628),

Gene: Ashwin_101 Start: 62179, Stop: 61850, Start Num: 1

Candidate Starts for Ashwin_101:

(Start: 1 @62179 has 26 MA's), (2, 62137), (3, 62104), (4, 62074), (5, 62035), (6, 61918), (7, 61870), (8, 61864),

Gene: Blessica_102 Start: 63151, Stop: 62822, Start Num: 1

Candidate Starts for Blessica_102:

(Start: 1 @63151 has 26 MA's), (2, 63109), (3, 63076), (4, 63046), (5, 63007), (6, 62890), (7, 62842), (8, 62836),

Gene: Bora_103 Start: 63993, Stop: 63664, Start Num: 1

Candidate Starts for Bora_103:

(Start: 1 @63993 has 26 MA's), (2, 63951), (3, 63918), (4, 63888), (5, 63849), (6, 63732), (7, 63684), (8, 63678),

Gene: Catdawg_105 Start: 64263, Stop: 63934, Start Num: 1

Candidate Starts for Catdawg_105:

(Start: 1 @64263 has 26 MA's), (2, 64221), (3, 64188), (4, 64158), (5, 64119), (6, 64002), (7, 63954), (8, 63948),

Gene: Corndog_101 Start: 62089, Stop: 61760, Start Num: 1

Candidate Starts for Corndog_101:

(Start: 1 @62089 has 26 MA's), (2, 62047), (3, 62014), (4, 61984), (5, 61945), (6, 61828), (7, 61780), (8, 61774),

Gene: Dylan_99 Start: 61912, Stop: 61583, Start Num: 1

Candidate Starts for Dylan_99:

(Start: 1 @61912 has 26 MA's), (2, 61870), (3, 61837), (4, 61807), (5, 61768), (6, 61651), (7, 61603), (8, 61597),

Gene: Familton_105 Start: 63675, Stop: 63346, Start Num: 1

Candidate Starts for Familton_105:

(Start: 1 @63675 has 26 MA's), (2, 63633), (4, 63570), (5, 63531), (6, 63414), (7, 63366), (8, 63360),

Gene: Firecracker_104 Start: 63548, Stop: 63219, Start Num: 1

Candidate Starts for Firecracker_104:

(Start: 1 @63548 has 26 MA's), (2, 63506), (4, 63443), (5, 63404), (6, 63287), (7, 63239), (8, 63233),

Gene: FoulBall_100 Start: 63226, Stop: 62897, Start Num: 1

Candidate Starts for FoulBall_100:

(Start: 1 @63226 has 26 MA's), (2, 63184), (3, 63151), (4, 63121), (5, 63082), (6, 62965), (7, 62917), (8, 62911),

Gene: Idergollasper_106 Start: 64226, Stop: 63897, Start Num: 1

Candidate Starts for Idergollasper_106:

(Start: 1 @64226 has 26 MA's), (2, 64184), (3, 64151), (4, 64121), (5, 64082), (6, 63965), (7, 63917), (8, 63911),

Gene: JangDynasty_100 Start: 62576, Stop: 62247, Start Num: 1

Candidate Starts for JangDynasty_100:

(Start: 1 @62576 has 26 MA's), (2, 62534), (3, 62501), (4, 62471), (5, 62432), (6, 62315), (7, 62267), (8, 62261),

Gene: Krili_106 Start: 63775, Stop: 63446, Start Num: 1

Candidate Starts for Krili_106:

(Start: 1 @63775 has 26 MA's), (2, 63733), (3, 63700), (4, 63670), (5, 63631), (6, 63514), (7, 63466), (8, 63460),

Gene: MadKillah_107 Start: 63298, Stop: 62969, Start Num: 1

Candidate Starts for MadKillah_107:

(Start: 1 @63298 has 26 MA's), (2, 63256), (3, 63223), (4, 63193), (5, 63154), (6, 63037), (7, 62989), (8, 62983),

Gene: Mori_104 Start: 63801, Stop: 63472, Start Num: 1

Candidate Starts for Mori_104:

(Start: 1 @63801 has 26 MA's), (2, 63759), (3, 63726), (4, 63696), (5, 63657), (6, 63540), (7, 63492), (8, 63486),

Gene: Murai_104 Start: 63649, Stop: 63320, Start Num: 1

Candidate Starts for Murai_104:

(Start: 1 @63649 has 26 MA's), (2, 63607), (3, 63574), (4, 63544), (5, 63505), (6, 63388), (7, 63340), (8, 63334),

Gene: NiebruSaylor_104 Start: 62916, Stop: 62587, Start Num: 1

Candidate Starts for NiebruSaylor_104:

(Start: 1 @62916 has 26 MA's), (2, 62874), (3, 62841), (4, 62811), (5, 62772), (6, 62655), (7, 62607), (8, 62601),

Gene: Ryadel_108 Start: 64634, Stop: 64305, Start Num: 1

Candidate Starts for Ryadel_108:

(Start: 1 @64634 has 26 MA's), (2, 64592), (3, 64559), (4, 64529), (5, 64490), (6, 64373), (7, 64325), (8, 64319),

Gene: SchoolBus_103 Start: 63392, Stop: 63063, Start Num: 1

Candidate Starts for SchoolBus_103:

(Start: 1 @63392 has 26 MA's), (2, 63350), (3, 63317), (4, 63287), (5, 63248), (6, 63131), (7, 63083), (8, 63077),

Gene: Schuy_104 Start: 63011, Stop: 62682, Start Num: 1

Candidate Starts for Schuy_104:

(Start: 1 @63011 has 26 MA's), (2, 62969), (3, 62936), (4, 62906), (5, 62867), (6, 62750), (7, 62702), (8, 62696),

Gene: Shida_106 Start: 63903, Stop: 63574, Start Num: 1

Candidate Starts for Shida_106:

(Start: 1 @63903 has 26 MA's), (2, 63861), (3, 63828), (4, 63798), (5, 63759), (6, 63642), (7, 63594), (8, 63588),

Gene: Smooch_103 Start: 63784, Stop: 63455, Start Num: 1

Candidate Starts for Smooch_103:

(Start: 1 @63784 has 26 MA's), (2, 63742), (3, 63709), (4, 63679), (5, 63640), (6, 63523), (7, 63475), (8, 63469),

Gene: TelAviv_101 Start: 63628, Stop: 63299, Start Num: 1

Candidate Starts for TelAviv_101:

(Start: 1 @63628 has 26 MA's), (2, 63586), (3, 63553), (4, 63523), (5, 63484), (6, 63367), (7, 63319), (8, 63313),

Gene: Vorrps_104 Start: 63802, Stop: 63473, Start Num: 1

Candidate Starts for Vorrps_104:

(Start: 1 @63802 has 26 MA's), (2, 63760), (3, 63727), (4, 63697), (5, 63658), (6, 63541), (7, 63493), (8, 63487),

Gene: Wildflower_101 Start: 61811, Stop: 61482, Start Num: 1

Candidate Starts for Wildflower_101:

(Start: 1 @61811 has 26 MA's), (2, 61769), (3, 61736), (4, 61706), (5, 61667), (6, 61550), (7, 61502), (8, 61496),

Gene: Winget_104 Start: 63696, Stop: 63367, Start Num: 1

Candidate Starts for Winget_104:

(Start: 1 @63696 has 26 MA's), (2, 63654), (3, 63621), (4, 63591), (5, 63552), (6, 63435), (7, 63387), (8, 63381),

Gene: YungJamal_103 Start: 62859, Stop: 62530, Start Num: 1

Candidate Starts for YungJamal_103:

(Start: 1 @62859 has 26 MA's), (2, 62817), (3, 62784), (4, 62754), (5, 62715), (6, 62598), (7, 62550), (8, 62544),

Gene: Zakhe101_99 Start: 61916, Stop: 61587, Start Num: 1

Candidate Starts for Zakhe101_99:

(Start: 1 @61916 has 26 MA's), (2, 61874), (3, 61841), (4, 61811), (5, 61772), (6, 61655), (7, 61607), (8, 61601),