



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 3405 Report

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

Pham number 3405 has 28 members, 6 are drafts.

Phages represented in each track:

- Track 1 : Murai_94, FoulBall_90, YungJamal_94, Shida_93, Schuy_91, Krili_93, Catdawg_93, JangDynasty_92, Mori_93, Blessica_94, Alkhayr_90, Idergollasper_93, TelAviv_90, Dylan_92, Winget_94, Smooch_95, Familton_94, Vorrrps_93, Firecracker_97, Zakhe101_92, SchoolBus_92, Wildflower_91, Bora_91, NiebruSaylor_93, Corndog_93, Ashwin_93, MadKillah_95
- Track 2 : Ryadel_97

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 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alkhayr_90, Ashwin_93, Blessica_94, Bora_91, Catdawg_93, Corndog_93, Dylan_92, Familton_94, Firecracker_97, FoulBall_90, Idergollasper_93, JangDynasty_92, Krili_93, MadKillah_95, Mori_93, Murai_94, NiebruSaylor_93, Ryadel_97, SchoolBus_92, Schuy_91, Shida_93, Smooch_95, TelAviv_90, Vorrrps_93, Wildflower_91, Winget_94, YungJamal_94, Zakhe101_92,

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 28 of 28 (100.0%) of genes in pham
- Manual Annotations of this start: 22 of 22
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alkhayr_90 (O), Ashwin_93 (O), Blessica_94 (O), Bora_91 (O), Catdawg_93 (O), Corndog_93 (O), Dylan_92 (O), Familton_94 (O), Firecracker_97 (O), FoulBall_90 (O), Idergollasper_93 (O),

JangDynasty_92 (O), Krili_93 (O), MadKillah_95 (O), Mori_93 (O), Murai_94 (O), NiebruSaylor_93 (O), Ryadel_97 (O), SchoolBus_92 (O), Schuy_91 (O), Shida_93 (O), Smooch_95 (O), TelAviv_90 (O), Vorrps_93 (O), Wildflower_91 (O), Winget_94 (O), YungJamal_94 (O), Zakhe101_92 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:

- Start number 2 was manually annotated 22 times for cluster O.

Gene Information:

Gene: Alkhayr_90 Start: 57419, Stop: 57078, Start Num: 2

Candidate Starts for Alkhayr_90:

(1, 57479), (Start: 2 @57419 has 22 MA's), (3, 57404), (4, 57383), (5, 57362), (6, 57308), (7, 57284), (8, 57257), (9, 57230), (10, 57215),

Gene: Ashwin_93 Start: 57940, Stop: 57599, Start Num: 2

Candidate Starts for Ashwin_93:

(1, 58000), (Start: 2 @57940 has 22 MA's), (3, 57925), (4, 57904), (5, 57883), (6, 57829), (7, 57805), (8, 57778), (9, 57751), (10, 57736),

Gene: Blessica_94 Start: 58225, Stop: 57884, Start Num: 2

Candidate Starts for Blessica_94:

(1, 58285), (Start: 2 @58225 has 22 MA's), (3, 58210), (4, 58189), (5, 58168), (6, 58114), (7, 58090), (8, 58063), (9, 58036), (10, 58021),

Gene: Bora_91 Start: 57748, Stop: 57407, Start Num: 2

Candidate Starts for Bora_91:

(1, 57808), (Start: 2 @57748 has 22 MA's), (3, 57733), (4, 57712), (5, 57691), (6, 57637), (7, 57613), (8, 57586), (9, 57559), (10, 57544),

Gene: Catdawg_93 Start: 57961, Stop: 57620, Start Num: 2

Candidate Starts for Catdawg_93:

(1, 58021), (Start: 2 @57961 has 22 MA's), (3, 57946), (4, 57925), (5, 57904), (6, 57850), (7, 57826), (8, 57799), (9, 57772), (10, 57757),

Gene: Corndog_93 Start: 57207, Stop: 56866, Start Num: 2

Candidate Starts for Corndog_93:

(1, 57267), (Start: 2 @57207 has 22 MA's), (3, 57192), (4, 57171), (5, 57150), (6, 57096), (7, 57072), (8, 57045), (9, 57018), (10, 57003),

Gene: Dylan_92 Start: 57673, Stop: 57332, Start Num: 2

Candidate Starts for Dylan_92:

(1, 57733), (Start: 2 @57673 has 22 MA's), (3, 57658), (4, 57637), (5, 57616), (6, 57562), (7, 57538), (8, 57511), (9, 57484), (10, 57469),

Gene: Familton_94 Start: 57918, Stop: 57577, Start Num: 2

Candidate Starts for Familton_94:

(1, 57978), (Start: 2 @57918 has 22 MA's), (3, 57903), (4, 57882), (5, 57861), (6, 57807), (7, 57783), (8, 57756), (9, 57729), (10, 57714),

Gene: Firecracker_97 Start: 59311, Stop: 58970, Start Num: 2

Candidate Starts for Firecracker_97:

(1, 59371), (Start: 2 @59311 has 22 MA's), (3, 59296), (4, 59275), (5, 59254), (6, 59200), (7, 59176), (8, 59149), (9, 59122), (10, 59107),

Gene: FoulBall_90 Start: 57702, Stop: 57361, Start Num: 2

Candidate Starts for FoulBall_90:

(1, 57762), (Start: 2 @57702 has 22 MA's), (3, 57687), (4, 57666), (5, 57645), (6, 57591), (7, 57567), (8, 57540), (9, 57513), (10, 57498),

Gene: Idergollasper_93 Start: 57912, Stop: 57571, Start Num: 2

Candidate Starts for Idergollasper_93:

(1, 57972), (Start: 2 @57912 has 22 MA's), (3, 57897), (4, 57876), (5, 57855), (6, 57801), (7, 57777), (8, 57750), (9, 57723), (10, 57708),

Gene: JangDynasty_92 Start: 57721, Stop: 57380, Start Num: 2

Candidate Starts for JangDynasty_92:

(1, 57781), (Start: 2 @57721 has 22 MA's), (3, 57706), (4, 57685), (5, 57664), (6, 57610), (7, 57586), (8, 57559), (9, 57532), (10, 57517),

Gene: Krili_93 Start: 57470, Stop: 57129, Start Num: 2

Candidate Starts for Krili_93:

(1, 57530), (Start: 2 @57470 has 22 MA's), (3, 57455), (4, 57434), (5, 57413), (6, 57359), (7, 57335), (8, 57308), (9, 57281), (10, 57266),

Gene: MadKillah_95 Start: 57739, Stop: 57398, Start Num: 2

Candidate Starts for MadKillah_95:

(1, 57799), (Start: 2 @57739 has 22 MA's), (3, 57724), (4, 57703), (5, 57682), (6, 57628), (7, 57604), (8, 57577), (9, 57550), (10, 57535),

Gene: Mori_93 Start: 57998, Stop: 57657, Start Num: 2

Candidate Starts for Mori_93:

(1, 58058), (Start: 2 @57998 has 22 MA's), (3, 57983), (4, 57962), (5, 57941), (6, 57887), (7, 57863), (8, 57836), (9, 57809), (10, 57794),

Gene: Murai_94 Start: 58131, Stop: 57790, Start Num: 2

Candidate Starts for Murai_94:

(1, 58191), (Start: 2 @58131 has 22 MA's), (3, 58116), (4, 58095), (5, 58074), (6, 58020), (7, 57996), (8, 57969), (9, 57942), (10, 57927),

Gene: NiebruSaylor_93 Start: 57392, Stop: 57051, Start Num: 2

Candidate Starts for NiebruSaylor_93:

(1, 57452), (Start: 2 @57392 has 22 MA's), (3, 57377), (4, 57356), (5, 57335), (6, 57281), (7, 57257), (8, 57230), (9, 57203), (10, 57188),

Gene: Ryadel_97 Start: 58745, Stop: 58404, Start Num: 2

Candidate Starts for Ryadel_97:

(Start: 2 @58745 has 22 MA's), (3, 58730), (4, 58709), (5, 58688), (6, 58634), (7, 58610), (8, 58583), (9, 58556), (10, 58541),

Gene: SchoolBus_92 Start: 57638, Stop: 57297, Start Num: 2

Candidate Starts for SchoolBus_92:

(1, 57698), (Start: 2 @57638 has 22 MA's), (3, 57623), (4, 57602), (5, 57581), (6, 57527), (7, 57503), (8, 57476), (9, 57449), (10, 57434),

Gene: Schuy_91 Start: 57487, Stop: 57146, Start Num: 2

Candidate Starts for Schuy_91:

(1, 57547), (Start: 2 @57487 has 22 MA's), (3, 57472), (4, 57451), (5, 57430), (6, 57376), (7, 57352), (8, 57325), (9, 57298), (10, 57283),

Gene: Shida_93 Start: 57582, Stop: 57241, Start Num: 2

Candidate Starts for Shida_93:

(1, 57642), (Start: 2 @57582 has 22 MA's), (3, 57567), (4, 57546), (5, 57525), (6, 57471), (7, 57447), (8, 57420), (9, 57393), (10, 57378),

Gene: Smooch_95 Start: 59156, Stop: 58815, Start Num: 2

Candidate Starts for Smooch_95:

(1, 59216), (Start: 2 @59156 has 22 MA's), (3, 59141), (4, 59120), (5, 59099), (6, 59045), (7, 59021), (8, 58994), (9, 58967), (10, 58952),

Gene: TelAviv_90 Start: 57876, Stop: 57535, Start Num: 2

Candidate Starts for TelAviv_90:

(1, 57936), (Start: 2 @57876 has 22 MA's), (3, 57861), (4, 57840), (5, 57819), (6, 57765), (7, 57741), (8, 57714), (9, 57687), (10, 57672),

Gene: Vorrrps_93 Start: 57999, Stop: 57658, Start Num: 2

Candidate Starts for Vorrrps_93:

(1, 58059), (Start: 2 @57999 has 22 MA's), (3, 57984), (4, 57963), (5, 57942), (6, 57888), (7, 57864), (8, 57837), (9, 57810), (10, 57795),

Gene: Wildflower_91 Start: 57572, Stop: 57231, Start Num: 2

Candidate Starts for Wildflower_91:

(1, 57632), (Start: 2 @57572 has 22 MA's), (3, 57557), (4, 57536), (5, 57515), (6, 57461), (7, 57437), (8, 57410), (9, 57383), (10, 57368),

Gene: Winget_94 Start: 58172, Stop: 57831, Start Num: 2

Candidate Starts for Winget_94:

(1, 58232), (Start: 2 @58172 has 22 MA's), (3, 58157), (4, 58136), (5, 58115), (6, 58061), (7, 58037), (8, 58010), (9, 57983), (10, 57968),

Gene: YungJamal_94 Start: 57977, Stop: 57636, Start Num: 2

Candidate Starts for YungJamal_94:

(1, 58037), (Start: 2 @57977 has 22 MA's), (3, 57962), (4, 57941), (5, 57920), (6, 57866), (7, 57842), (8, 57815), (9, 57788), (10, 57773),

Gene: Zakhe101_92 Start: 57677, Stop: 57336, Start Num: 2

Candidate Starts for Zakhe101_92:

(1, 57737), (Start: 2 @57677 has 22 MA's), (3, 57662), (4, 57641), (5, 57620), (6, 57566), (7, 57542), (8, 57515), (9, 57488), (10, 57473),