



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 3001 Report

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

Pham number 3001 has 33 members, 7 are drafts.

Phages represented in each track:

- Track 1 : Island3_25, Bogie_24, Shipwreck_24, Pygmy_24, Brujita_25
- Track 2 : Blessica_63, Familton_63, Vorrrps_62, JangDynasty_62, Smooch_65, Mori_62, Zakhe101_62, Alkhayr_60, Ryadel_66, Winget_63, Ashwin_63, NiebruSaylor_61, Shida_62, SchoolBus_62, Idergollasper_62, MadKillah_63, Wildflower_60, Bora_60, Corndog_65, Firecracker_63, FoulBall_59, Murai_63, Catdawg_62, Krili_61, Schuy_60, TelAviv_59, Dylan_62, YungJamal_67

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_60, Ashwin_63, Blessica_63, Bogie_24, Bora_60, Brujita_25, Catdawg_62, Corndog_65, Dylan_62, Familton_63, Firecracker_63, FoulBall_59, Idergollasper_62, Island3_25, JangDynasty_62, Krili_61, MadKillah_63, Mori_62, Murai_63, NiebruSaylor_61, Pygmy_24, Ryadel_66, SchoolBus_62, Schuy_60, Shida_62, Shipwreck_24, Smooch_65, TelAviv_59, Vorrrps_62, Wildflower_60, Winget_63, YungJamal_67, Zakhe101_62,

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 33 of 33 (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_60 (O), Ashwin_63 (O), Blessica_63 (O), Bogie_24 (P1), Bora_60 (O), Brujita_25 (I1), Catdawg_62 (O),

Corndog_65 (O), Dylan_62 (O), Familton_63 (O), Firecracker_63 (O), FoulBall_59 (O), Idergollasper_62 (O), Island3_25 (I1), JangDynasty_62 (O), Krili_61 (O), MadKillah_63 (O), Mori_62 (O), Murai_63 (O), NiebruSaylor_61 (O), Pygmy_24 (P1), Ryadel_66 (O), SchoolBus_62 (O), Schuy_60 (O), Shida_62 (O), Shipwreck_24 (P1), Smooch_65 (O), TelAviv_59 (O), Vorrrps_62 (O), Wildflower_60 (O), Winget_63 (O), YungJamal_67 (O), Zakhe101_62 (O),

Summary by clusters:

There are 3 clusters represented in this pham: I1, P1, O,

Info for manual annotations of cluster I1:

- Start number 1 was manually annotated 2 times for cluster I1.

Info for manual annotations of cluster O:

- Start number 1 was manually annotated 22 times for cluster O.

Info for manual annotations of cluster P1:

- Start number 1 was manually annotated 2 times for cluster P1.

Gene Information:

Gene: Alkhayr_60 Start: 40631, Stop: 40855, Start Num: 1

Candidate Starts for Alkhayr_60:

(Start: 1 @40631 has 26 MA's), (3, 40697), (4, 40706), (5, 40754), (6, 40781), (7, 40814),

Gene: Ashwin_63 Start: 41401, Stop: 41625, Start Num: 1

Candidate Starts for Ashwin_63:

(Start: 1 @41401 has 26 MA's), (3, 41467), (4, 41476), (5, 41524), (6, 41551), (7, 41584),

Gene: Blessica_63 Start: 41230, Stop: 41454, Start Num: 1

Candidate Starts for Blessica_63:

(Start: 1 @41230 has 26 MA's), (3, 41296), (4, 41305), (5, 41353), (6, 41380), (7, 41413),

Gene: Bogie_24 Start: 23591, Stop: 23821, Start Num: 1

Candidate Starts for Bogie_24:

(Start: 1 @23591 has 26 MA's), (2, 23630), (3, 23657), (4, 23666), (7, 23774),

Gene: Bora_60 Start: 40587, Stop: 40811, Start Num: 1

Candidate Starts for Bora_60:

(Start: 1 @40587 has 26 MA's), (3, 40653), (4, 40662), (5, 40710), (6, 40737), (7, 40770),

Gene: Brujita_25 Start: 23946, Stop: 24176, Start Num: 1

Candidate Starts for Brujita_25:

(Start: 1 @23946 has 26 MA's), (2, 23985), (3, 24012), (4, 24021), (7, 24129),

Gene: Catdawg_62 Start: 40966, Stop: 41190, Start Num: 1

Candidate Starts for Catdawg_62:

(Start: 1 @40966 has 26 MA's), (3, 41032), (4, 41041), (5, 41089), (6, 41116), (7, 41149),

Gene: Corndog_65 Start: 41960, Stop: 42184, Start Num: 1

Candidate Starts for Corndog_65:

(Start: 1 @41960 has 26 MA's), (3, 42026), (4, 42035), (5, 42083), (6, 42110), (7, 42143),

Gene: Dylan_62 Start: 41013, Stop: 41237, Start Num: 1

Candidate Starts for Dylan_62:

(Start: 1 @41013 has 26 MA's), (3, 41079), (4, 41088), (5, 41136), (6, 41163), (7, 41196),

Gene: Familton_63 Start: 40923, Stop: 41147, Start Num: 1

Candidate Starts for Familton_63:

(Start: 1 @40923 has 26 MA's), (3, 40989), (4, 40998), (5, 41046), (6, 41073), (7, 41106),

Gene: Firecracker_63 Start: 41113, Stop: 41337, Start Num: 1

Candidate Starts for Firecracker_63:

(Start: 1 @41113 has 26 MA's), (3, 41179), (4, 41188), (5, 41236), (6, 41263), (7, 41296),

Gene: FoulBall_59 Start: 40917, Stop: 41141, Start Num: 1

Candidate Starts for FoulBall_59:

(Start: 1 @40917 has 26 MA's), (3, 40983), (4, 40992), (5, 41040), (6, 41067), (7, 41100),

Gene: Idergollasper_62 Start: 40917, Stop: 41141, Start Num: 1

Candidate Starts for Idergollasper_62:

(Start: 1 @40917 has 26 MA's), (3, 40983), (4, 40992), (5, 41040), (6, 41067), (7, 41100),

Gene: Island3_25 Start: 23946, Stop: 24176, Start Num: 1

Candidate Starts for Island3_25:

(Start: 1 @23946 has 26 MA's), (2, 23985), (3, 24012), (4, 24021), (7, 24129),

Gene: JangDynasty_62 Start: 41003, Stop: 41227, Start Num: 1

Candidate Starts for JangDynasty_62:

(Start: 1 @41003 has 26 MA's), (3, 41069), (4, 41078), (5, 41126), (6, 41153), (7, 41186),

Gene: Krili_61 Start: 40427, Stop: 40651, Start Num: 1

Candidate Starts for Krili_61:

(Start: 1 @40427 has 26 MA's), (3, 40493), (4, 40502), (5, 40550), (6, 40577), (7, 40610),

Gene: MadKillah_63 Start: 40696, Stop: 40920, Start Num: 1

Candidate Starts for MadKillah_63:

(Start: 1 @40696 has 26 MA's), (3, 40762), (4, 40771), (5, 40819), (6, 40846), (7, 40879),

Gene: Mori_62 Start: 40958, Stop: 41182, Start Num: 1

Candidate Starts for Mori_62:

(Start: 1 @40958 has 26 MA's), (3, 41024), (4, 41033), (5, 41081), (6, 41108), (7, 41141),

Gene: Murai_63 Start: 41139, Stop: 41363, Start Num: 1

Candidate Starts for Murai_63:

(Start: 1 @41139 has 26 MA's), (3, 41205), (4, 41214), (5, 41262), (6, 41289), (7, 41322),

Gene: NiebruSaylor_61 Start: 40346, Stop: 40570, Start Num: 1

Candidate Starts for NiebruSaylor_61:

(Start: 1 @40346 has 26 MA's), (3, 40412), (4, 40421), (5, 40469), (6, 40496), (7, 40529),

Gene: Pygmy_24 Start: 23591, Stop: 23821, Start Num: 1

Candidate Starts for Pygmy_24:

(Start: 1 @23591 has 26 MA's), (2, 23630), (3, 23657), (4, 23666), (7, 23774),

Gene: Ryadel_66 Start: 41727, Stop: 41951, Start Num: 1

Candidate Starts for Ryadel_66:

(Start: 1 @41727 has 26 MA's), (3, 41793), (4, 41802), (5, 41850), (6, 41877), (7, 41910),

Gene: SchoolBus_62 Start: 40911, Stop: 41135, Start Num: 1

Candidate Starts for SchoolBus_62:

(Start: 1 @40911 has 26 MA's), (3, 40977), (4, 40986), (5, 41034), (6, 41061), (7, 41094),

Gene: Schuy_60 Start: 40702, Stop: 40926, Start Num: 1

Candidate Starts for Schuy_60:

(Start: 1 @40702 has 26 MA's), (3, 40768), (4, 40777), (5, 40825), (6, 40852), (7, 40885),

Gene: Shida_62 Start: 40609, Stop: 40833, Start Num: 1

Candidate Starts for Shida_62:

(Start: 1 @40609 has 26 MA's), (3, 40675), (4, 40684), (5, 40732), (6, 40759), (7, 40792),

Gene: Shipwreck_24 Start: 23569, Stop: 23799, Start Num: 1

Candidate Starts for Shipwreck_24:

(Start: 1 @23569 has 26 MA's), (2, 23608), (3, 23635), (4, 23644), (7, 23752),

Gene: Smooch_65 Start: 42631, Stop: 42855, Start Num: 1

Candidate Starts for Smooch_65:

(Start: 1 @42631 has 26 MA's), (3, 42697), (4, 42706), (5, 42754), (6, 42781), (7, 42814),

Gene: TelAviv_59 Start: 40884, Stop: 41108, Start Num: 1

Candidate Starts for TelAviv_59:

(Start: 1 @40884 has 26 MA's), (3, 40950), (4, 40959), (5, 41007), (6, 41034), (7, 41067),

Gene: Vorrrps_62 Start: 40959, Stop: 41183, Start Num: 1

Candidate Starts for Vorrrps_62:

(Start: 1 @40959 has 26 MA's), (3, 41025), (4, 41034), (5, 41082), (6, 41109), (7, 41142),

Gene: Wildflower_60 Start: 40471, Stop: 40695, Start Num: 1

Candidate Starts for Wildflower_60:

(Start: 1 @40471 has 26 MA's), (3, 40537), (4, 40546), (5, 40594), (6, 40621), (7, 40654),

Gene: Winget_63 Start: 41177, Stop: 41401, Start Num: 1

Candidate Starts for Winget_63:

(Start: 1 @41177 has 26 MA's), (3, 41243), (4, 41252), (5, 41300), (6, 41327), (7, 41360),

Gene: YungJamal_67 Start: 42369, Stop: 42593, Start Num: 1

Candidate Starts for YungJamal_67:

(Start: 1 @42369 has 26 MA's), (3, 42435), (4, 42444), (5, 42492), (6, 42519), (7, 42552),

Gene: Zakhe101_62 Start: 41017, Stop: 41241, Start Num: 1

Candidate Starts for Zakhe101_62:

(Start: 1 @41017 has 26 MA's), (3, 41083), (4, 41092), (5, 41140), (6, 41167), (7, 41200),