



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 3513 Report

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

Pham number 3513 has 28 members, 6 are drafts.

Phages represented in each track:

- Track 1 : SchoolBus_42, Blessica_43, Familton_43, Winget_43, Ryadel_46, JangDynasty_42, Mori_41, Alkhayr_40, Bora_39, Firecracker_42, Zakhe101_42, MadKillah_43, NiebruSaylor_41, Ashwin_41, Shida_42, Idergollasper_42, YungJamal_45, Wildflower_40, Murai_42, Catdawg_42, Vorrips_41, Schuy_40, Krili_41, Dylan_41, FoulBall_39, TelAviv_39
- Track 2 : Smooch_44, Corndog_44

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_40, Ashwin_41, Blessica_43, Bora_39, Catdawg_42, Corndog_44, Dylan_41, Familton_43, Firecracker_42, FoulBall_39, Idergollasper_42, JangDynasty_42, Krili_41, MadKillah_43, Mori_41, Murai_42, NiebruSaylor_41, Ryadel_46, SchoolBus_42, Schuy_40, Shida_42, Smooch_44, TelAviv_39, Vorrips_41, Wildflower_40, Winget_43, YungJamal_45, Zakhe101_42,

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_40 (O), Ashwin_41 (O), Blessica_43 (O), Bora_39 (O), Catdawg_42 (O), Corndog_44 (O), Dylan_41 (O), Familton_43 (O), Firecracker_42 (O), FoulBall_39 (O), Idergollasper_42 (O),

JangDynasty_42 (O), Krili_41 (O), MadKillah_43 (O), Mori_41 (O), Murai_42 (O), NiebruSaylor_41 (O), Ryadel_46 (O), SchoolBus_42 (O), Schuy_40 (O), Shida_42 (O), Smooch_44 (O), TelAviv_39 (O), Vorrrps_41 (O), Wildflower_40 (O), Winget_43 (O), YungJamal_45 (O), Zakhe101_42 (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_40 Start: 22108, Stop: 22245, Start Num: 2

Candidate Starts for Alkhayr_40:

(Start: 2 @22108 has 22 MA's), (3, 22126), (4, 22189), (5, 22216),

Gene: Ashwin_41 Start: 22106, Stop: 22243, Start Num: 2

Candidate Starts for Ashwin_41:

(Start: 2 @22106 has 22 MA's), (3, 22124), (4, 22187), (5, 22214),

Gene: Blessica_43 Start: 22509, Stop: 22646, Start Num: 2

Candidate Starts for Blessica_43:

(Start: 2 @22509 has 22 MA's), (3, 22527), (4, 22590), (5, 22617),

Gene: Bora_39 Start: 21559, Stop: 21696, Start Num: 2

Candidate Starts for Bora_39:

(Start: 2 @21559 has 22 MA's), (3, 21577), (4, 21640), (5, 21667),

Gene: Catdawg_42 Start: 22198, Stop: 22335, Start Num: 2

Candidate Starts for Catdawg_42:

(Start: 2 @22198 has 22 MA's), (3, 22216), (4, 22279), (5, 22306),

Gene: Corndog_44 Start: 22656, Stop: 22793, Start Num: 2

Candidate Starts for Corndog_44:

(1, 22599), (Start: 2 @22656 has 22 MA's), (3, 22674), (4, 22737), (5, 22764),

Gene: Dylan_41 Start: 21911, Stop: 22048, Start Num: 2

Candidate Starts for Dylan_41:

(Start: 2 @21911 has 22 MA's), (3, 21929), (4, 21992), (5, 22019),

Gene: Familton_43 Start: 22202, Stop: 22339, Start Num: 2

Candidate Starts for Familton_43:

(Start: 2 @22202 has 22 MA's), (3, 22220), (4, 22283), (5, 22310),

Gene: Firecracker_42 Start: 21809, Stop: 21946, Start Num: 2

Candidate Starts for Firecracker_42:

(Start: 2 @21809 has 22 MA's), (3, 21827), (4, 21890), (5, 21917),

Gene: FoulBall_39 Start: 22196, Stop: 22333, Start Num: 2

Candidate Starts for FoulBall_39:

(Start: 2 @22196 has 22 MA's), (3, 22214), (4, 22277), (5, 22304),

Gene: Idergollasper_42 Start: 22196, Stop: 22333, Start Num: 2

Candidate Starts for Idergollasper_42:

(Start: 2 @22196 has 22 MA's), (3, 22214), (4, 22277), (5, 22304),

Gene: JangDynasty_42 Start: 22291, Stop: 22428, Start Num: 2

Candidate Starts for JangDynasty_42:

(Start: 2 @22291 has 22 MA's), (3, 22309), (4, 22372), (5, 22399),

Gene: Krili_41 Start: 21913, Stop: 22050, Start Num: 2

Candidate Starts for Krili_41:

(Start: 2 @21913 has 22 MA's), (3, 21931), (4, 21994), (5, 22021),

Gene: MadKillah_43 Start: 22135, Stop: 22272, Start Num: 2

Candidate Starts for MadKillah_43:

(Start: 2 @22135 has 22 MA's), (3, 22153), (4, 22216), (5, 22243),

Gene: Mori_41 Start: 21784, Stop: 21921, Start Num: 2

Candidate Starts for Mori_41:

(Start: 2 @21784 has 22 MA's), (3, 21802), (4, 21865), (5, 21892),

Gene: Murai_42 Start: 21974, Stop: 22111, Start Num: 2

Candidate Starts for Murai_42:

(Start: 2 @21974 has 22 MA's), (3, 21992), (4, 22055), (5, 22082),

Gene: NiebruSaylor_41 Start: 21785, Stop: 21922, Start Num: 2

Candidate Starts for NiebruSaylor_41:

(Start: 2 @21785 has 22 MA's), (3, 21803), (4, 21866), (5, 21893),

Gene: Ryadel_46 Start: 23258, Stop: 23395, Start Num: 2

Candidate Starts for Ryadel_46:

(Start: 2 @23258 has 22 MA's), (3, 23276), (4, 23339), (5, 23366),

Gene: SchoolBus_42 Start: 22199, Stop: 22336, Start Num: 2

Candidate Starts for SchoolBus_42:

(Start: 2 @22199 has 22 MA's), (3, 22217), (4, 22280), (5, 22307),

Gene: Schuy_40 Start: 22132, Stop: 22269, Start Num: 2

Candidate Starts for Schuy_40:

(Start: 2 @22132 has 22 MA's), (3, 22150), (4, 22213), (5, 22240),

Gene: Shida_42 Start: 22039, Stop: 22176, Start Num: 2

Candidate Starts for Shida_42:

(Start: 2 @22039 has 22 MA's), (3, 22057), (4, 22120), (5, 22147),

Gene: Smooch_44 Start: 23327, Stop: 23464, Start Num: 2

Candidate Starts for Smooch_44:

(1, 23270), (Start: 2 @23327 has 22 MA's), (3, 23345), (4, 23408), (5, 23435),

Gene: TelAviv_39 Start: 22193, Stop: 22330, Start Num: 2

Candidate Starts for TelAviv_39:

(Start: 2 @22193 has 22 MA's), (3, 22211), (4, 22274), (5, 22301),

Gene: Vorrps_41 Start: 21785, Stop: 21922, Start Num: 2

Candidate Starts for Vorrps_41:

(Start: 2 @21785 has 22 MA's), (3, 21803), (4, 21866), (5, 21893),

Gene: Wildflower_40 Start: 21771, Stop: 21908, Start Num: 2

Candidate Starts for Wildflower_40:

(Start: 2 @21771 has 22 MA's), (3, 21789), (4, 21852), (5, 21879),

Gene: Winget_43 Start: 22465, Stop: 22602, Start Num: 2

Candidate Starts for Winget_43:

(Start: 2 @22465 has 22 MA's), (3, 22483), (4, 22546), (5, 22573),

Gene: YungJamal_45 Start: 22504, Stop: 22641, Start Num: 2

Candidate Starts for YungJamal_45:

(Start: 2 @22504 has 22 MA's), (3, 22522), (4, 22585), (5, 22612),

Gene: Zakhe101_42 Start: 21915, Stop: 22052, Start Num: 2

Candidate Starts for Zakhe101_42:

(Start: 2 @21915 has 22 MA's), (3, 21933), (4, 21996), (5, 22023),