Pham 86451


2
3
4
5
6
1: Ryadel_41
2: Smooch_40 + 13
3: Bora_35 + 1
4: Firecracker_38
1
5: Murai_38 + 8
6: Wildflower_36

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 86451 Report

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

Pham number 86451 has 28 members, 6 are drafts.

Phages represented in each track:
• Track 1 : Ryadel_41
• Track 2 : Smooch_40, Catdawg_38, Familton_39, Blessica_39, YungJamal_41, Shida_38, TelAviv_35, Idergollasper_38, JangDynasty_38, Corndog_40, Alkhayr_36, FoulBall_35, Winget_39, SchoolBus_38
• Track 3 : Bora_35, Ashwin_37
• Track 4 : Firecracker_38
• Track 5 : Murai_38, Zakhe101_38, Schuy_36, Krili_37, Dylan_37, Vorrps_37, Mori_37, NiebruSaylor_37, MadKillah_39
• Track 6 : Wildflower_36

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 3, it was called in 22 of the 22 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alkhayr_36, Ashwin_37, Blessica_39, Bora_35, Catdawg_38, Corndog_40, Dylan_37, Familton_39, Firecracker_38, FoulBall_35, Idergollasper_38, JangDynasty_38, Krili_37, MadKillah_39, Mori_37, Murai_38, NiebruSaylor_37, Ryadel_41, SchoolBus_38, Schuy_36, Shida_38, Smooch_40, TelAviv_35, Vorrps_37, Wildflower_36, Winget_39, YungJamal_41, Zakhe101_38,

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 3:
• 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_36 (O), Ashwin_37 (O), Blessica_39 (O), Bora_35 (O), Catdawg_38 (O), Corndog_40 (O), Dylan_37 (O), Familton_39 (O), Firecracker_38 (O), FoulBall_35 (O), Idergollasper_38 (O), JangDynasty_38 (O), Krili_37 (O), MadKillah_39 (O), Mori_37 (O), Murai_38 (O), NiebruSaylor_37 (O), Ryadel_41 (O), SchoolBus_38 (O), Schuy_36 (O), Shida_38 (O), Smooch_40 (O), TelAviv_35 (O), Vorrps_37 (O), Wildflower_36 (O), Winget_39 (O), YungJamal_41 (O), Zakhe101_38 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:
•Start number 3 was manually annotated 22 times for cluster O.

Gene Information:

Gene: Alkhayr_36 Start: 19710, Stop: 19847, Start Num: 3
Candidate Starts for Alkhayr_36:
(2, 19686), (Start: 3 @19710 has 22 MA's), (4, 19749), (5, 19776), (6, 19797),

Gene: Ashwin_37 Start: 19720, Stop: 19857, Start Num: 3
Candidate Starts for Ashwin_37:
(2, 19696), (Start: 3 @19720 has 22 MA's), (4, 19759), (5, 19786), (6, 19807),

Gene: Blessica_39 Start: 20111, Stop: 20248, Start Num: 3
Candidate Starts for Blessica_39:
(2, 20087), (Start: 3 @20111 has 22 MA's), (4, 20150), (5, 20177), (6, 20198),

Gene: Bora_35 Start: 19173, Stop: 19310, Start Num: 3
Candidate Starts for Bora_35:
(2, 19149), (Start: 3 @19173 has 22 MA's), (4, 19212), (5, 19239), (6, 19260),

Gene: Catdawg_38 Start: 19800, Stop: 19937, Start Num: 3
Candidate Starts for Catdawg_38:
(2, 19776), (Start: 3 @19800 has 22 MA's), (4, 19839), (5, 19866), (6, 19887),

Gene: Corndog_40 Start: 20258, Stop: 20395, Start Num: 3
Candidate Starts for Corndog_40:
(2, 20234), (Start: 3 @20258 has 22 MA's), (4, 20297), (5, 20324), (6, 20345),

Gene: Dylan_37 Start: 19525, Stop: 19662, Start Num: 3
Candidate Starts for Dylan_37:
(1, 19033), (2, 19501), (Start: 3 @19525 has 22 MA's), (4, 19564), (5, 19591), (6, 19612),

Gene: Familton_39 Start: 19804, Stop: 19941, Start Num: 3
Candidate Starts for Familton_39:
(2, 19780), (Start: 3 @19804 has 22 MA's), (4, 19843), (5, 19870), (6, 19891),

Gene: Firecracker_38 Start: 19423, Stop: 19560, Start Num: 3
Candidate Starts for Firecracker_38:

(2, 19399), (Start: 3 @19423 has 22 MA's), (4, 19462), (6, 19510),

Gene: FoulBall_35 Start: 19798, Stop: 19935, Start Num: 3
Candidate Starts for FoulBall_35:
(2, 19774), (Start: 3 @19798 has 22 MA's), (4, 19837), (5, 19864), (6, 19885),

Gene: Idergollasper_38 Start: 19798, Stop: 19935, Start Num: 3
Candidate Starts for Idergollasper_38:
(2, 19774), (Start: 3 @19798 has 22 MA's), (4, 19837), (5, 19864), (6, 19885),

Gene: JangDynasty_38 Start: 19893, Stop: 20030, Start Num: 3
Candidate Starts for JangDynasty_38:
(2, 19869), (Start: 3 @19893 has 22 MA's), (4, 19932), (5, 19959), (6, 19980),

Gene: Krili_37 Start: 19526, Stop: 19663, Start Num: 3
Candidate Starts for Krili_37:
(1, 19034), (2, 19502), (Start: 3 @19526 has 22 MA's), (4, 19565), (5, 19592), (6, 19613),

Gene: MadKillah_39 Start: 19736, Stop: 19873, Start Num: 3
Candidate Starts for MadKillah_39:
(1, 19244), (2, 19712), (Start: 3 @19736 has 22 MA's), (4, 19775), (5, 19802), (6, 19823),

Gene: Mori_37 Start: 19397, Stop: 19534, Start Num: 3
Candidate Starts for Mori_37:
(1, 18905), (2, 19373), (Start: 3 @19397 has 22 MA's), (4, 19436), (5, 19463), (6, 19484),

Gene: Murai_38 Start: 19587, Stop: 19724, Start Num: 3
Candidate Starts for Murai_38:
(1, 19095), (2, 19563), (Start: 3 @19587 has 22 MA's), (4, 19626), (5, 19653), (6, 19674),

Gene: NiebruSaylor_37 Start: 19398, Stop: 19535, Start Num: 3
Candidate Starts for NiebruSaylor_37:
(1, 18906), (2, 19374), (Start: 3 @19398 has 22 MA's), (4, 19437), (5, 19464), (6, 19485),

Gene: Ryadel_41 Start: 20611, Stop: 20745, Start Num: 3
Candidate Starts for Ryadel_41:
(2, 20587), (Start: 3 @20611 has 22 MA's), (4, 20650), (5, 20677), (6, 20698),

Gene: SchoolBus_38 Start: 19801, Stop: 19938, Start Num: 3
Candidate Starts for SchoolBus_38:
(2, 19777), (Start: 3 @19801 has 22 MA's), (4, 19840), (5, 19867), (6, 19888),

Gene: Schuy_36 Start: 19745, Stop: 19882, Start Num: 3
Candidate Starts for Schuy_36:
(1, 19253), (2, 19721), (Start: 3 @19745 has 22 MA's), (4, 19784), (5, 19811), (6, 19832),

Gene: Shida_38 Start: 19652, Stop: 19789, Start Num: 3
Candidate Starts for Shida_38:
(2, 19628), (Start: 3 @19652 has 22 MA's), (4, 19691), (5, 19718), (6, 19739),

Gene: Smooch_40 Start: 20941, Stop: 21078, Start Num: 3
Candidate Starts for Smooch_40:
(2, 20917), (Start: 3 @20941 has 22 MA's), (4, 20980), (5, 21007), (6, 21028),

Gene: TelAviv_35 Start: 19795, Stop: 19932, Start Num: 3
Candidate Starts for TelAviv_35:
(2, 19771), (Start: 3 @19795 has 22 MA's), (4, 19834), (5, 19861), (6, 19882),

Gene: Vorrps_37 Start: 19398, Stop: 19535, Start Num: 3
Candidate Starts for Vorrps_37:
(1, 18906), (2, 19374), (Start: 3 @19398 has 22 MA's), (4, 19437), (5, 19464), (6, 19485),

Gene: Wildflower_36 Start: 19384, Stop: 19521, Start Num: 3
Candidate Starts for Wildflower_36:
(2, 19360), (Start: 3 @19384 has 22 MA's), (4, 19423), (5, 19450), (6, 19471),

Gene: Winget_39 Start: 20067, Stop: 20204, Start Num: 3
Candidate Starts for Winget_39:
(2, 20043), (Start: 3 @20067 has 22 MA's), (4, 20106), (5, 20133), (6, 20154),

Gene: YungJamal_41 Start: 20130, Stop: 20267, Start Num: 3
Candidate Starts for YungJamal_41:
(2, 20106), (Start: 3 @20130 has 22 MA's), (4, 20169), (5, 20196), (6, 20217),

Gene: Zakhe101_38 Start: 19529, Stop: 19666, Start Num: 3
Candidate Starts for Zakhe101_38:
(1, 19037), (2, 19505), (Start: 3 @19529 has 22 MA's), (4, 19568), (5, 19595), (6, 19616),