

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

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 214494 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214494 has 32 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Idergollasper_23, Ryadel_26, Dylan_23, Ashwin_25, Alkhayr_22, Smooch_27, Vorrps_24, Familton_24, JangDynasty_23, Zakhe101_24, Mori_24, Wildflower_24, Krili_24, MadKillah_25, FoulBall_23, NiebruSaylor_24, TelAviv_21, Vagabond_24, SchoolBus_23, Winget_24, Zebo_22, Shida_24, Corndog_26, Bora_22, Firecracker_24, Catdawg_23, Murai_24, KingPhillip3_21, YungJamal_26, Schuy_25, Wogge42_23, Blessica_24

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 28 of the 28 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Alkhayr_22, Ashwin_25, Blessica_24, Bora_22, Catdawg_23, Corndog_26, Dylan_23, Familton_24, Firecracker_24, FoulBall_23, Idergollasper_23, JangDynasty_23, KingPhillip3_21, Krili_24, MadKillah_25, Mori_24, Murai_24, NiebruSaylor_24, Ryadel_26, SchoolBus_23, Schuy_25, Shida_24, Smooch_27, TelAviv_21, Vagabond_24, Vorrps_24, Wildflower_24, Winget_24, Wogge42_23, YungJamal_26, Zakhe101_24, Zebo_22,

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 32 of 32 (100.0%) of genes in pham
- Manual Annotations of this start: 28 of 28
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alkhayr_22 (O), Ashwin_25 (O), Blessica_24 (O), Bora_22 (O), Catdawg_23 (O), Corndog_26 (O), Dylan_23 (O),

Familton_24 (O), Firecracker_24 (O), FoulBall_23 (O), Idergollasper_23 (O), JangDynasty_23 (O), KingPhillip3_21 (O), Krili_24 (O), MadKillah_25 (O), Mori_24 (O), Murai_24 (O), NiebruSaylor_24 (O), Ryadel_26 (O), SchoolBus_23 (O), Schuy_25 (O), Shida_24 (O), Smooch_27 (O), TelAviv_21 (O), Vagabond_24 (O), Vorrps_24 (O), Wildflower_24 (O), Winget_24 (O), Wogge42_23 (O), YungJamal_26 (O), Zakhe101_24 (O), Zebo_22 (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 28 times for cluster O.

Gene Information:

Gene: Alkhayr_22 Start: 11371, Stop: 11072, Start Num: 1

Candidate Starts for Alkhayr_22:

(Start: 1 @11371 has 28 MA's), (2, 11353), (3, 11281), (4, 11254), (5, 11227), (6, 11209), (7, 11191), (8, 11167), (9, 11092),

Gene: Ashwin_25 Start: 11591, Stop: 11292, Start Num: 1

Candidate Starts for Ashwin_25:

(Start: 1 @11591 has 28 MA's), (2, 11573), (3, 11501), (4, 11474), (5, 11447), (6, 11429), (7, 11411), (8, 11387), (9, 11312),

Gene: Blessica_24 Start: 11394, Stop: 11095, Start Num: 1

Candidate Starts for Blessica_24:

(Start: 1 @11394 has 28 MA's), (2, 11376), (3, 11304), (4, 11277), (5, 11250), (6, 11232), (7, 11214), (8, 11190), (9, 11115),

Gene: Bora_22 Start: 11044, Stop: 10736, Start Num: 1

Candidate Starts for Bora_22:

(Start: 1 @11044 has 28 MA's), (2, 11026), (3, 10954), (4, 10927), (5, 10900), (6, 10882), (7, 10864), (8, 10840), (9, 10765),

Gene: Catdawg_23 Start: 11000, Stop: 10701, Start Num: 1

Candidate Starts for Catdawg_23:

(Start: 1 @11000 has 28 MA's), (2, 10982), (3, 10910), (4, 10883), (5, 10856), (6, 10838), (7, 10820), (8, 10796), (9, 10721),

Gene: Corndog_26 Start: 11670, Stop: 11362, Start Num: 1

Candidate Starts for Corndog_26:

(Start: 1 @11670 has 28 MA's), (2, 11652), (3, 11580), (4, 11553), (5, 11526), (6, 11508), (7, 11490), (8, 11466), (9, 11391),

Gene: Dylan_23 Start: 11396, Stop: 11088, Start Num: 1

Candidate Starts for Dylan_23:

(Start: 1 @11396 has 28 MA's), (2, 11378), (3, 11306), (4, 11279), (5, 11252), (6, 11234), (7, 11216), (8, 11192), (9, 11117),

Gene: Familton_24 Start: 11001, Stop: 10702, Start Num: 1
Candidate Starts for Familton_24:
(Start: 1 @11001 has 28 MA's), (2, 10983), (3, 10911), (4, 10884), (5, 10857), (6, 10839), (7, 10821),
(8, 10797), (9, 10722),

Gene: Firecracker_24 Start: 11294, Stop: 10995, Start Num: 1
Candidate Starts for Firecracker_24:
(Start: 1 @11294 has 28 MA's), (2, 11276), (3, 11204), (4, 11177), (5, 11150), (6, 11132), (7, 11114),
(8, 11090), (9, 11015),

Gene: FoulBall_23 Start: 11001, Stop: 10702, Start Num: 1
Candidate Starts for FoulBall_23:
(Start: 1 @11001 has 28 MA's), (2, 10983), (3, 10911), (4, 10884), (5, 10857), (6, 10839), (7, 10821),
(8, 10797), (9, 10722),

Gene: Idergollasper_23 Start: 11001, Stop: 10702, Start Num: 1
Candidate Starts for Idergollasper_23:
(Start: 1 @11001 has 28 MA's), (2, 10983), (3, 10911), (4, 10884), (5, 10857), (6, 10839), (7, 10821),
(8, 10797), (9, 10722),

Gene: JangDynasty_23 Start: 11090, Stop: 10791, Start Num: 1
Candidate Starts for JangDynasty_23:
(Start: 1 @11090 has 28 MA's), (2, 11072), (3, 11000), (4, 10973), (5, 10946), (6, 10928), (7, 10910),
(8, 10886), (9, 10811),

Gene: KingPhillip3_21 Start: 11001, Stop: 10702, Start Num: 1
Candidate Starts for KingPhillip3_21:
(Start: 1 @11001 has 28 MA's), (2, 10983), (3, 10911), (4, 10884), (5, 10857), (6, 10839), (7, 10821),
(8, 10797), (9, 10722),

Gene: Krili_24 Start: 11360, Stop: 11061, Start Num: 1
Candidate Starts for Krili_24:
(Start: 1 @11360 has 28 MA's), (2, 11342), (3, 11270), (4, 11243), (5, 11216), (6, 11198), (7, 11180),
(8, 11156), (9, 11081),

Gene: MadKillah_25 Start: 11393, Stop: 11094, Start Num: 1
Candidate Starts for MadKillah_25:
(Start: 1 @11393 has 28 MA's), (2, 11375), (3, 11303), (4, 11276), (5, 11249), (6, 11231), (7, 11213),
(8, 11189), (9, 11114),

Gene: Mori_24 Start: 11231, Stop: 10932, Start Num: 1
Candidate Starts for Mori_24:
(Start: 1 @11231 has 28 MA's), (2, 11213), (3, 11141), (4, 11114), (5, 11087), (6, 11069), (7, 11051),
(8, 11027), (9, 10952),

Gene: Murai_24 Start: 11232, Stop: 10933, Start Num: 1
Candidate Starts for Murai_24:
(Start: 1 @11232 has 28 MA's), (2, 11214), (3, 11142), (4, 11115), (5, 11088), (6, 11070), (7, 11052),
(8, 11028), (9, 10953),

Gene: NiebruSaylor_24 Start: 11232, Stop: 10933, Start Num: 1
Candidate Starts for NiebruSaylor_24:

(Start: 1 @11232 has 28 MA's), (2, 11214), (3, 11142), (4, 11115), (5, 11088), (6, 11070), (7, 11052), (8, 11028), (9, 10953),

Gene: Ryadel_26 Start: 11814, Stop: 11515, Start Num: 1

Candidate Starts for Ryadel_26:

(Start: 1 @11814 has 28 MA's), (2, 11796), (3, 11724), (4, 11697), (5, 11670), (6, 11652), (7, 11634), (8, 11610), (9, 11535),

Gene: SchoolBus_23 Start: 11001, Stop: 10702, Start Num: 1

Candidate Starts for SchoolBus_23:

(Start: 1 @11001 has 28 MA's), (2, 10983), (3, 10911), (4, 10884), (5, 10857), (6, 10839), (7, 10821), (8, 10797), (9, 10722),

Gene: Schuy_25 Start: 11393, Stop: 11094, Start Num: 1

Candidate Starts for Schuy_25:

(Start: 1 @11393 has 28 MA's), (2, 11375), (3, 11303), (4, 11276), (5, 11249), (6, 11231), (7, 11213), (8, 11189), (9, 11114),

Gene: Shida_24 Start: 11298, Stop: 10999, Start Num: 1

Candidate Starts for Shida_24:

(Start: 1 @11298 has 28 MA's), (2, 11280), (3, 11208), (4, 11181), (5, 11154), (6, 11136), (7, 11118), (8, 11094), (9, 11019),

Gene: Smooch_27 Start: 12747, Stop: 12439, Start Num: 1

Candidate Starts for Smooch_27:

(Start: 1 @12747 has 28 MA's), (2, 12729), (3, 12657), (4, 12630), (5, 12603), (6, 12585), (7, 12567), (8, 12543), (9, 12468),

Gene: TelAviv_21 Start: 10998, Stop: 10699, Start Num: 1

Candidate Starts for TelAviv_21:

(Start: 1 @10998 has 28 MA's), (2, 10980), (3, 10908), (4, 10881), (5, 10854), (6, 10836), (7, 10818), (8, 10794), (9, 10719),

Gene: Vagabond_24 Start: 11275, Stop: 10976, Start Num: 1

Candidate Starts for Vagabond_24:

(Start: 1 @11275 has 28 MA's), (2, 11257), (3, 11185), (4, 11158), (5, 11131), (6, 11113), (7, 11095), (8, 11071), (9, 10996),

Gene: Vorrrps_24 Start: 11232, Stop: 10933, Start Num: 1

Candidate Starts for Vorrrps_24:

(Start: 1 @11232 has 28 MA's), (2, 11214), (3, 11142), (4, 11115), (5, 11088), (6, 11070), (7, 11052), (8, 11028), (9, 10953),

Gene: Wildflower_24 Start: 11255, Stop: 10956, Start Num: 1

Candidate Starts for Wildflower_24:

(Start: 1 @11255 has 28 MA's), (2, 11237), (3, 11165), (4, 11138), (5, 11111), (6, 11093), (7, 11075), (8, 11051), (9, 10976),

Gene: Winget_24 Start: 11274, Stop: 10975, Start Num: 1

Candidate Starts for Winget_24:

(Start: 1 @11274 has 28 MA's), (2, 11256), (3, 11184), (4, 11157), (5, 11130), (6, 11112), (7, 11094), (8, 11070), (9, 10995),

Gene: Wogge42_23 Start: 11363, Stop: 11064, Start Num: 1

Candidate Starts for Wogge42_23:

(Start: 1 @11363 has 28 MA's), (2, 11345), (3, 11273), (4, 11246), (5, 11219), (6, 11201), (7, 11183), (8, 11159), (9, 11084),

Gene: YungJamal_26 Start: 11550, Stop: 11242, Start Num: 1

Candidate Starts for YungJamal_26:

(Start: 1 @11550 has 28 MA's), (2, 11532), (3, 11460), (4, 11433), (5, 11406), (6, 11388), (7, 11370), (8, 11346), (9, 11271),

Gene: Zakhe101_24 Start: 11400, Stop: 11092, Start Num: 1

Candidate Starts for Zakhe101_24:

(Start: 1 @11400 has 28 MA's), (2, 11382), (3, 11310), (4, 11283), (5, 11256), (6, 11238), (7, 11220), (8, 11196), (9, 11121),

Gene: Zebo_22 Start: 11001, Stop: 10702, Start Num: 1

Candidate Starts for Zebo_22:

(Start: 1 @11001 has 28 MA's), (2, 10983), (3, 10911), (4, 10884), (5, 10857), (6, 10839), (7, 10821), (8, 10797), (9, 10722),