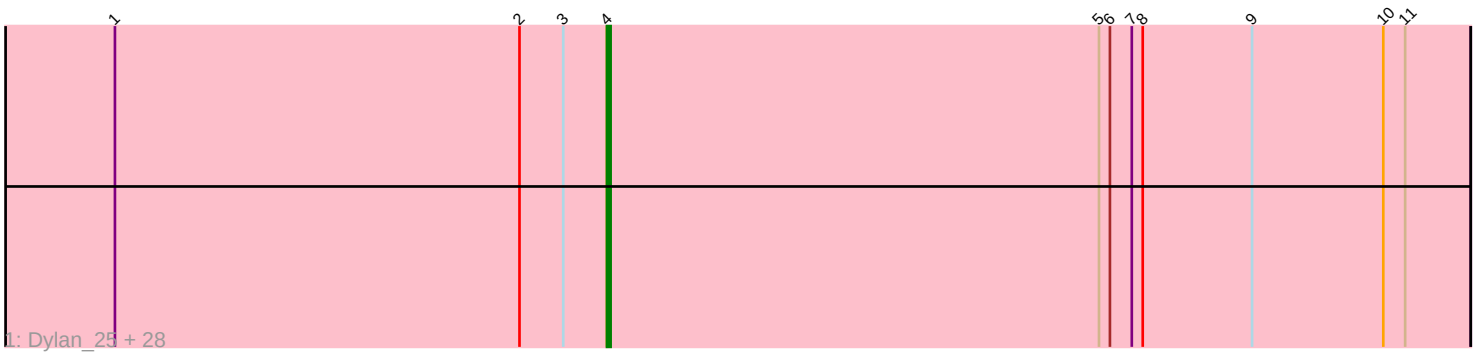
Pham 280674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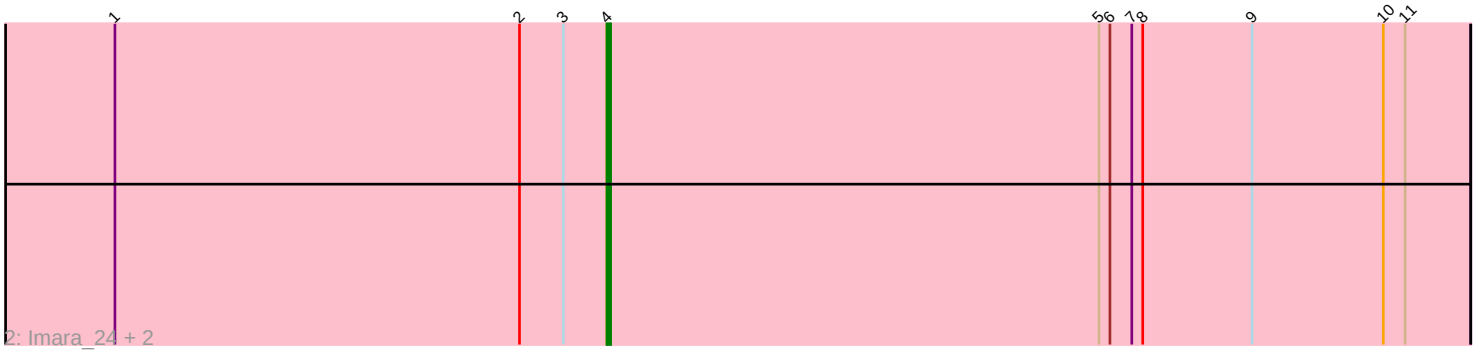
1: Dylan_25 + 28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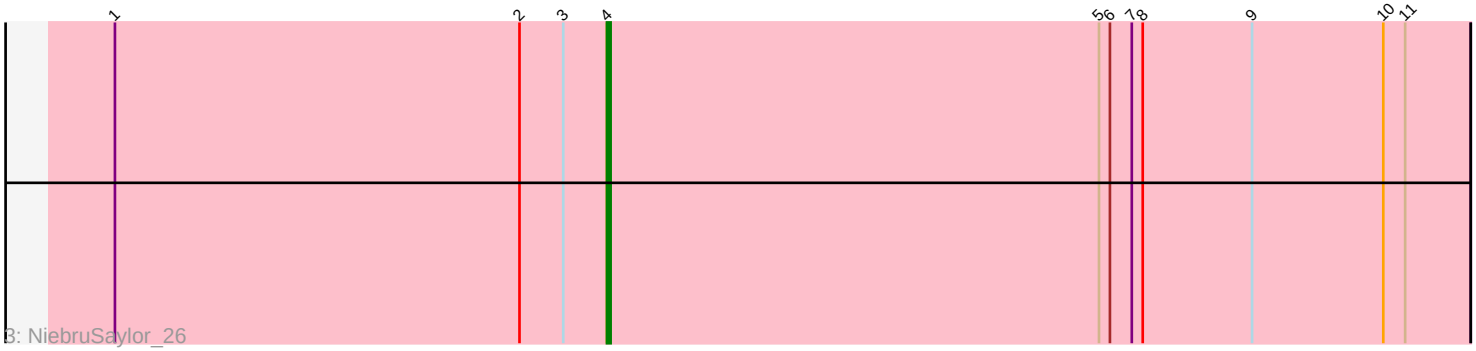
2: Imara_24 + 2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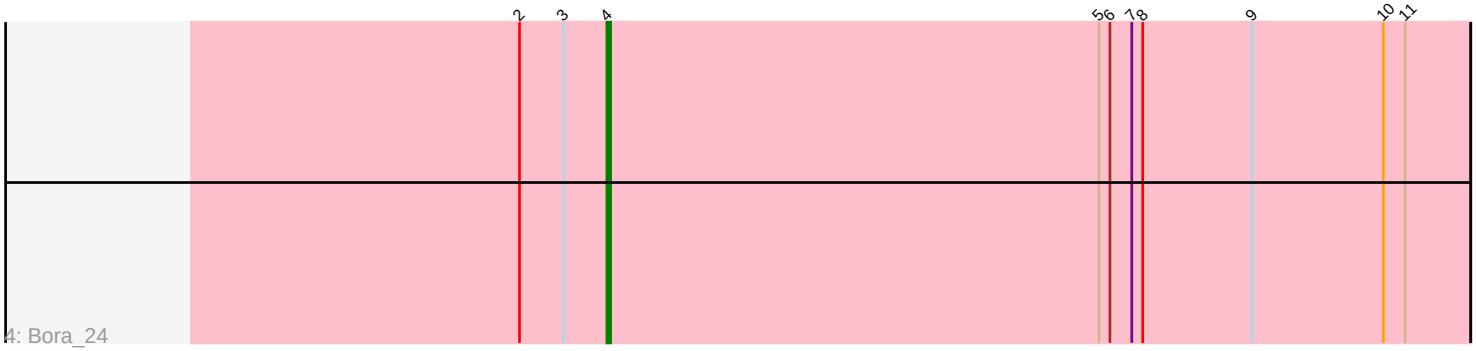
3: NiebruSaylor_26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4: Bora_24

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 280674 Report

This analysis was run 02/07/26 on database version 634.

Pham number 280674 has 34 members, 4 are drafts.

Phages represented in each track:
• Track 1 : Dylan_25, Smooch_29, Idergollasper_25, Ryadel_28, Schuy_27, Familton_26, JangDynasty_25, Zakhe101_26, Ashwin_27, Mori_26, Wildflower_26, Alkhayr_26, FoulBall_25, MadKillah_27, Krili_26, TelAviv_23, SchoolBus_25, Shida_26, Corndog_28, Zebo_25, Wogge42_25, Firecracker_26, Catdawg_25, Murai_26, Blessica_26, Vorrps_26, YungJamal_28, KingPhillip3_23, YoyoKar_24
• Track 2 : Imara_24, Vagabond_26, Winget_26
• Track 3 : NiebruSaylor_26
• Track 4 : Bora_24

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

The start number called the most often in the published annotations is 4, it was called in 30 of the 30 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alkhayr_26, Ashwin_27, Blessica_26, Bora_24, Catdawg_25, Corndog_28, Dylan_25, Familton_26, Firecracker_26, FoulBall_25, Idergollasper_25, Imara_24, JangDynasty_25, KingPhillip3_23, Krili_26, MadKillah_27, Mori_26, Murai_26, NiebruSaylor_26, Ryadel_28, SchoolBus_25, Schuy_27, Shida_26, Smooch_29, TelAviv_23, Vagabond_26, Vorrps_26, Wildflower_26, Winget_26, Wogge42_25, YoyoKar_24, YungJamal_28, Zakhe101_26, Zebo_25,

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 4:
• Found in 34 of 34 (100.0%) of genes in pham
• Manual Annotations of this start: 30 of 30
• Called 100.0% of time when present

• Phage (with cluster) where this start called: Alkhayr_26 (O), Ashwin_27 (O), Blessica_26 (O), Bora_24 (O), Catdawg_25 (O), Corndog_28 (O), Dylan_25 (O), Familton_26 (O), Firecracker_26 (O), FoulBall_25 (O), Idergollasper_25 (O), Imara_24 (O), JangDynasty_25 (O), KingPhillip3_23 (O), Krili_26 (O), MadKillah_27 (O), Mori_26 (O), Murai_26 (O), NiebruSaylor_26 (O), Ryadel_28 (O), SchoolBus_25 (O), Schuy_27 (O), Shida_26 (O), Smooch_29 (O), TelAviv_23 (O), Vagabond_26 (O), Vorrps_26 (O), Wildflower_26 (O), Winget_26 (O), Wogge42_25 (O), YoyoKar_24 (O), YungJamal_28 (O), Zakhe101_26 (O), Zebo_25 (O),

Summary by clusters:

There is one cluster represented in this pham: O

Info for manual annotations of cluster O:
•Start number 4 was manually annotated 30 times for cluster O.

Gene Information:

Gene: Alkhayr_26 Start: 11847, Stop: 12083, Start Num: 4
Candidate Starts for Alkhayr_26:
(1, 11712), (2, 11823), (3, 11835), (Start: 4 @11847 has 30 MA's), (5, 11982), (6, 11985), (7, 11991), (8, 11994), (9, 12024), (10, 12060), (11, 12066),

Gene: Ashwin_27 Start: 12067, Stop: 12303, Start Num: 4
Candidate Starts for Ashwin_27:
(1, 11932), (2, 12043), (3, 12055), (Start: 4 @12067 has 30 MA's), (5, 12202), (6, 12205), (7, 12211), (8, 12214), (9, 12244), (10, 12280), (11, 12286),

Gene: Blessica_26 Start: 11870, Stop: 12106, Start Num: 4
Candidate Starts for Blessica_26:
(1, 11735), (2, 11846), (3, 11858), (Start: 4 @11870 has 30 MA's), (5, 12005), (6, 12008), (7, 12014), (8, 12017), (9, 12047), (10, 12083), (11, 12089),

Gene: Bora_24 Start: 11520, Stop: 11756, Start Num: 4
Candidate Starts for Bora_24:
(2, 11496), (3, 11508), (Start: 4 @11520 has 30 MA's), (5, 11655), (6, 11658), (7, 11664), (8, 11667), (9, 11697), (10, 11733), (11, 11739),

Gene: Catdawg_25 Start: 11476, Stop: 11712, Start Num: 4
Candidate Starts for Catdawg_25:
(1, 11341), (2, 11452), (3, 11464), (Start: 4 @11476 has 30 MA's), (5, 11611), (6, 11614), (7, 11620), (8, 11623), (9, 11653), (10, 11689), (11, 11695),

Gene: Corndog_28 Start: 12146, Stop: 12382, Start Num: 4
Candidate Starts for Corndog_28:
(1, 12011), (2, 12122), (3, 12134), (Start: 4 @12146 has 30 MA's), (5, 12281), (6, 12284), (7, 12290), (8, 12293), (9, 12323), (10, 12359), (11, 12365),

Gene: Dylan_25 Start: 11872, Stop: 12108, Start Num: 4
Candidate Starts for Dylan_25:

(1, 11737), (2, 11848), (3, 11860), (Start: 4 @11872 has 30 MA's), (5, 12007), (6, 12010), (7, 12016), (8, 12019), (9, 12049), (10, 12085), (11, 12091),

Gene: Familton_26 Start: 11477, Stop: 11713, Start Num: 4
Candidate Starts for Familton_26:
(1, 11342), (2, 11453), (3, 11465), (Start: 4 @11477 has 30 MA's), (5, 11612), (6, 11615), (7, 11621), (8, 11624), (9, 11654), (10, 11690), (11, 11696),

Gene: Firecracker_26 Start: 11770, Stop: 12006, Start Num: 4
Candidate Starts for Firecracker_26:
(1, 11635), (2, 11746), (3, 11758), (Start: 4 @11770 has 30 MA's), (5, 11905), (6, 11908), (7, 11914), (8, 11917), (9, 11947), (10, 11983), (11, 11989),

Gene: FoulBall_25 Start: 11477, Stop: 11713, Start Num: 4
Candidate Starts for FoulBall_25:
(1, 11342), (2, 11453), (3, 11465), (Start: 4 @11477 has 30 MA's), (5, 11612), (6, 11615), (7, 11621), (8, 11624), (9, 11654), (10, 11690), (11, 11696),

Gene: Idergollasper_25 Start: 11477, Stop: 11713, Start Num: 4
Candidate Starts for Idergollasper_25:
(1, 11342), (2, 11453), (3, 11465), (Start: 4 @11477 has 30 MA's), (5, 11612), (6, 11615), (7, 11621), (8, 11624), (9, 11654), (10, 11690), (11, 11696),

Gene: Imara_24 Start: 11730, Stop: 11966, Start Num: 4
Candidate Starts for Imara_24:
(1, 11595), (2, 11706), (3, 11718), (Start: 4 @11730 has 30 MA's), (5, 11865), (6, 11868), (7, 11874), (8, 11877), (9, 11907), (10, 11943), (11, 11949),

Gene: JangDynasty_25 Start: 11566, Stop: 11802, Start Num: 4
Candidate Starts for JangDynasty_25:
(1, 11431), (2, 11542), (3, 11554), (Start: 4 @11566 has 30 MA's), (5, 11701), (6, 11704), (7, 11710), (8, 11713), (9, 11743), (10, 11779), (11, 11785),

Gene: KingPhillip3_23 Start: 11477, Stop: 11713, Start Num: 4
Candidate Starts for KingPhillip3_23:
(1, 11342), (2, 11453), (3, 11465), (Start: 4 @11477 has 30 MA's), (5, 11612), (6, 11615), (7, 11621), (8, 11624), (9, 11654), (10, 11690), (11, 11696),

Gene: Krili_26 Start: 11836, Stop: 12072, Start Num: 4
Candidate Starts for Krili_26:
(1, 11701), (2, 11812), (3, 11824), (Start: 4 @11836 has 30 MA's), (5, 11971), (6, 11974), (7, 11980), (8, 11983), (9, 12013), (10, 12049), (11, 12055),

Gene: MadKillah_27 Start: 11869, Stop: 12105, Start Num: 4
Candidate Starts for MadKillah_27:
(1, 11734), (2, 11845), (3, 11857), (Start: 4 @11869 has 30 MA's), (5, 12004), (6, 12007), (7, 12013), (8, 12016), (9, 12046), (10, 12082), (11, 12088),

Gene: Mori_26 Start: 11707, Stop: 11943, Start Num: 4
Candidate Starts for Mori_26:
(1, 11572), (2, 11683), (3, 11695), (Start: 4 @11707 has 30 MA's), (5, 11842), (6, 11845), (7, 11851), (8, 11854), (9, 11884), (10, 11920), (11, 11926),

Gene: Murai_26 Start: 11708, Stop: 11944, Start Num: 4
Candidate Starts for Murai_26:
(1, 11573), (2, 11684), (3, 11696), (Start: 4 @11708 has 30 MA's), (5, 11843), (6, 11846), (7, 11852), (8, 11855), (9, 11885), (10, 11921), (11, 11927),

Gene: NiebruSaylor_26 Start: 11708, Stop: 11944, Start Num: 4
Candidate Starts for NiebruSaylor_26:
(1, 11573), (2, 11684), (3, 11696), (Start: 4 @11708 has 30 MA's), (5, 11843), (6, 11846), (7, 11852), (8, 11855), (9, 11885), (10, 11921), (11, 11927),

Gene: Ryadel_28 Start: 12290, Stop: 12526, Start Num: 4
Candidate Starts for Ryadel_28:
(1, 12155), (2, 12266), (3, 12278), (Start: 4 @12290 has 30 MA's), (5, 12425), (6, 12428), (7, 12434), (8, 12437), (9, 12467), (10, 12503), (11, 12509),

Gene: SchoolBus_25 Start: 11477, Stop: 11713, Start Num: 4
Candidate Starts for SchoolBus_25:
(1, 11342), (2, 11453), (3, 11465), (Start: 4 @11477 has 30 MA's), (5, 11612), (6, 11615), (7, 11621), (8, 11624), (9, 11654), (10, 11690), (11, 11696),

Gene: Schuy_27 Start: 11869, Stop: 12105, Start Num: 4
Candidate Starts for Schuy_27:
(1, 11734), (2, 11845), (3, 11857), (Start: 4 @11869 has 30 MA's), (5, 12004), (6, 12007), (7, 12013), (8, 12016), (9, 12046), (10, 12082), (11, 12088),

Gene: Shida_26 Start: 11774, Stop: 12010, Start Num: 4
Candidate Starts for Shida_26:
(1, 11639), (2, 11750), (3, 11762), (Start: 4 @11774 has 30 MA's), (5, 11909), (6, 11912), (7, 11918), (8, 11921), (9, 11951), (10, 11987), (11, 11993),

Gene: Smooch_29 Start: 13223, Stop: 13459, Start Num: 4
Candidate Starts for Smooch_29:
(1, 13088), (2, 13199), (3, 13211), (Start: 4 @13223 has 30 MA's), (5, 13358), (6, 13361), (7, 13367), (8, 13370), (9, 13400), (10, 13436), (11, 13442),

Gene: TelAviv_23 Start: 11474, Stop: 11710, Start Num: 4
Candidate Starts for TelAviv_23:
(1, 11339), (2, 11450), (3, 11462), (Start: 4 @11474 has 30 MA's), (5, 11609), (6, 11612), (7, 11618), (8, 11621), (9, 11651), (10, 11687), (11, 11693),

Gene: Vagabond_26 Start: 11751, Stop: 11987, Start Num: 4
Candidate Starts for Vagabond_26:
(1, 11616), (2, 11727), (3, 11739), (Start: 4 @11751 has 30 MA's), (5, 11886), (6, 11889), (7, 11895), (8, 11898), (9, 11928), (10, 11964), (11, 11970),

Gene: Vorrps_26 Start: 11708, Stop: 11944, Start Num: 4
Candidate Starts for Vorrps_26:
(1, 11573), (2, 11684), (3, 11696), (Start: 4 @11708 has 30 MA's), (5, 11843), (6, 11846), (7, 11852), (8, 11855), (9, 11885), (10, 11921), (11, 11927),

Gene: Wildflower_26 Start: 11731, Stop: 11967, Start Num: 4
Candidate Starts for Wildflower_26:

(1, 11596), (2, 11707), (3, 11719), (Start: 4 @11731 has 30 MA's), (5, 11866), (6, 11869), (7, 11875), (8, 11878), (9, 11908), (10, 11944), (11, 11950),

Gene: Winget_26 Start: 11750, Stop: 11986, Start Num: 4
Candidate Starts for Winget_26:
(1, 11615), (2, 11726), (3, 11738), (Start: 4 @11750 has 30 MA's), (5, 11885), (6, 11888), (7, 11894), (8, 11897), (9, 11927), (10, 11963), (11, 11969),

Gene: Wogge42_25 Start: 11839, Stop: 12075, Start Num: 4
Candidate Starts for Wogge42_25:
(1, 11704), (2, 11815), (3, 11827), (Start: 4 @11839 has 30 MA's), (5, 11974), (6, 11977), (7, 11983), (8, 11986), (9, 12016), (10, 12052), (11, 12058),

Gene: YoyoKar_24 Start: 11478, Stop: 11714, Start Num: 4
Candidate Starts for YoyoKar_24:
(1, 11343), (2, 11454), (3, 11466), (Start: 4 @11478 has 30 MA's), (5, 11613), (6, 11616), (7, 11622), (8, 11625), (9, 11655), (10, 11691), (11, 11697),

Gene: YungJamal_28 Start: 12026, Stop: 12262, Start Num: 4
Candidate Starts for YungJamal_28:
(1, 11891), (2, 12002), (3, 12014), (Start: 4 @12026 has 30 MA's), (5, 12161), (6, 12164), (7, 12170), (8, 12173), (9, 12203), (10, 12239), (11, 12245),

Gene: Zakhe101_26 Start: 11876, Stop: 12112, Start Num: 4
Candidate Starts for Zakhe101_26:
(1, 11741), (2, 11852), (3, 11864), (Start: 4 @11876 has 30 MA's), (5, 12011), (6, 12014), (7, 12020), (8, 12023), (9, 12053), (10, 12089), (11, 12095),

Gene: Zebo_25 Start: 11477, Stop: 11713, Start Num: 4
Candidate Starts for Zebo_25:
(1, 11342), (2, 11453), (3, 11465), (Start: 4 @11477 has 30 MA's), (5, 11612), (6, 11615), (7, 11621), (8, 11624), (9, 11654), (10, 11690), (11, 11696),