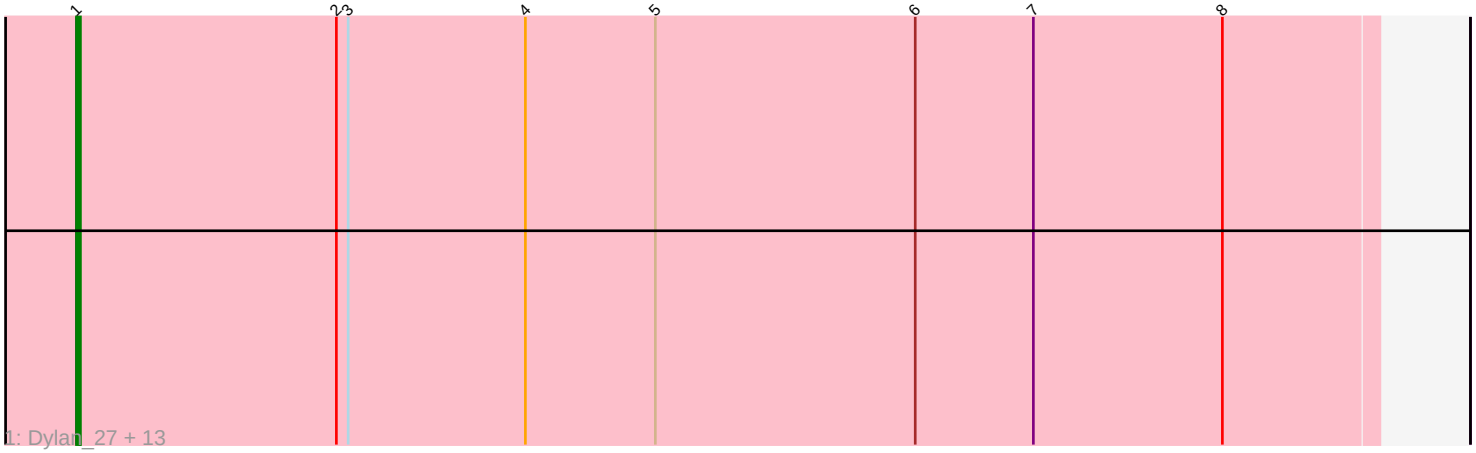
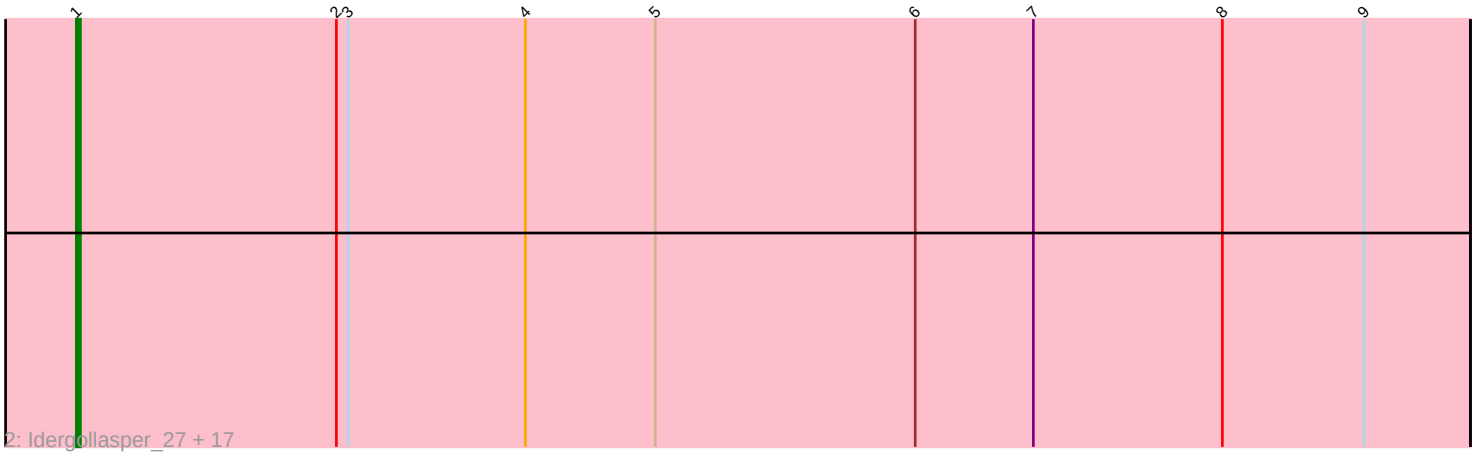
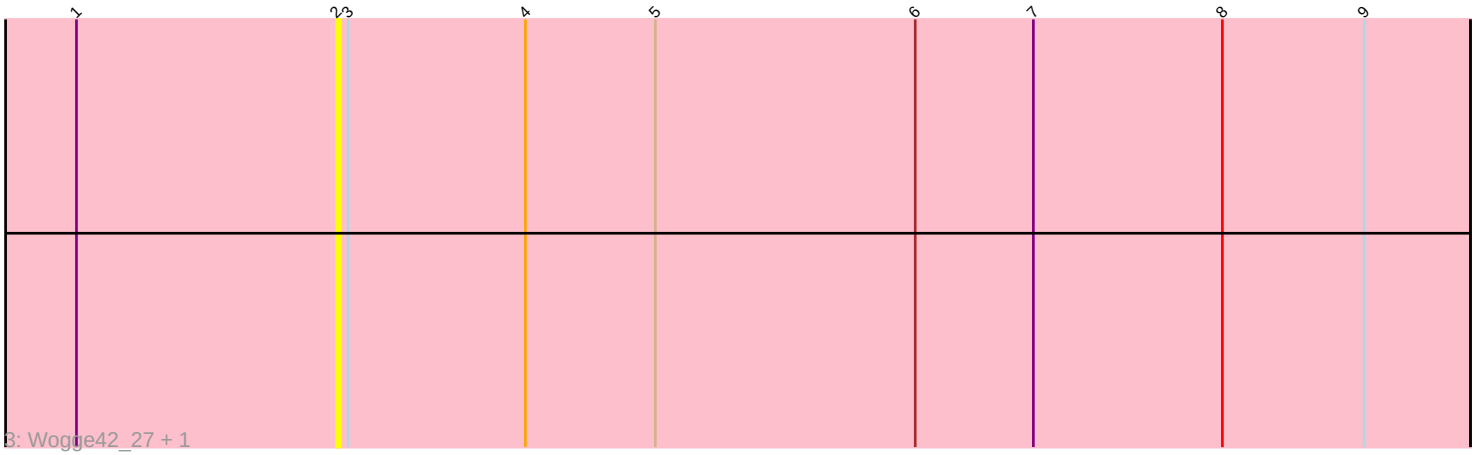
Pham 336972


1
2
3
4
5
6
7
8
1: Dylan_27 + 13


1
2
3
4
5
6
7
8
9
2: Idergollasper_27 + 17


1
2
3
4
5
6
7
8
9
3: Woggie42_27 + 1

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 336972 Report

This analysis was run 11/14/26 on database version 672.

Pham number 336972 has 34 members, 2 are drafts.

Phages represented in each track:
• Track 1 : Dylan_27, Zakhe101_28, Imara_28, Ashwin_29, Alkhayr_28, Wildflower_28, YungJamal_30, Winget_28, Vagabond_28, Corndog_29, Smooch_30, Shida_28, Bora_25, Firecracker_28
• Track 2 : Idergollasper_27, JangDynasty_27, Vorrps_27, MadKillah_29, Familton_28, FoulBall_27, Schuy_29, NiebruSaylor_27, TelAviv_25, SchoolBus_27, Mori_27, Ryadel_30, Zebo_27, Catdawg_27, Murai_28, KingPhillip3_27, Krili_27, Blessica_28
• Track 3 : Wogge42_27, YoyoKar_26

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 32 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Alkhayr_28, Ashwin_29, Blessica_28, Bora_25, Catdawg_27, Corndog_29, Dylan_27, Familton_28, Firecracker_28, FoulBall_27, Idergollasper_27, Imara_28, JangDynasty_27, KingPhillip3_27, Krili_27, MadKillah_29, Mori_27, Murai_28, NiebruSaylor_27, Ryadel_30, SchoolBus_27, Schuy_29, Shida_28, Smooch_30, TelAviv_25, Vagabond_28, Vorrps_27, Wildflower_28, Winget_28, YungJamal_30, Zakhe101_28, Zebo_27,

Genes that have the "Most Annotated" start but do not call it:
• Wogge42_27, YoyoKar_26,

Genes that do not have the "Most Annotated" start:
•

Summary by start number:

Start 1:
• Found in 34 of 34 (100.0%) of genes in pham
• Manual Annotations of this start: 32 of 32
• Called 94.1% of time when present

• Phage (with cluster) where this start called: Alkhayr_28 (O), Ashwin_29 (O), Blessica_28 (O), Bora_25 (O), Catdawg_27 (O), Corndog_29 (O), Dylan_27 (O), Familton_28 (O), Firecracker_28 (O), FoulBall_27 (O), Idergollasper_27 (O), Imara_28 (O), JangDynasty_27 (O), KingPhillip3_27 (O), Krili_27 (O), MadKillah_29 (O), Mori_27 (O), Murai_28 (O), NiebruSaylor_27 (O), Ryadel_30 (O), SchoolBus_27 (O), Schuy_29 (O), Shida_28 (O), Smooch_30 (O), TelAviv_25 (O), Vagabond_28 (O), Vorrps_27 (O), Wildflower_28 (O), Winget_28 (O), YungJamal_30 (O), Zakhe101_28 (O), Zebo_27 (O),

Start 2:
• Found in 34 of 34 (100.0%) of genes in pham
• No Manual Annotations of this start.
• Called 5.9% of time when present
• Phage (with cluster) where this start called: Wogge42_27 (O), YoyoKar_26 (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 32 times for cluster O.

Gene Information:

Gene: Alkhayr_28 Start: 12345, Stop: 12671, Start Num: 1
Candidate Starts for Alkhayr_28:
(Start: 1 @12345 has 32 MA's), (2, 12411), (3, 12414), (4, 12459), (5, 12492), (6, 12558), (7, 12588), (8, 12633),

Gene: Ashwin_29 Start: 12370, Stop: 12699, Start Num: 1
Candidate Starts for Ashwin_29:
(Start: 1 @12370 has 32 MA's), (2, 12436), (3, 12439), (4, 12484), (5, 12517), (6, 12583), (7, 12613), (8, 12661),

Gene: Blessica_28 Start: 12368, Stop: 12721, Start Num: 1
Candidate Starts for Blessica_28:
(Start: 1 @12368 has 32 MA's), (2, 12434), (3, 12437), (4, 12482), (5, 12515), (6, 12581), (7, 12611), (8, 12659), (9, 12695),

Gene: Bora_25 Start: 11823, Stop: 12152, Start Num: 1
Candidate Starts for Bora_25:
(Start: 1 @11823 has 32 MA's), (2, 11889), (3, 11892), (4, 11937), (5, 11970), (6, 12036), (7, 12066), (8, 12114),

Gene: Catdawg_27 Start: 11974, Stop: 12327, Start Num: 1
Candidate Starts for Catdawg_27:
(Start: 1 @11974 has 32 MA's), (2, 12040), (3, 12043), (4, 12088), (5, 12121), (6, 12187), (7, 12217), (8, 12265), (9, 12301),

Gene: Corndog_29 Start: 12449, Stop: 12778, Start Num: 1
Candidate Starts for Corndog_29:

(Start: 1 @12449 has 32 MA's), (2, 12515), (3, 12518), (4, 12563), (5, 12596), (6, 12662), (7, 12692), (8, 12740),

Gene: Dylan_27 Start: 12175, Stop: 12504, Start Num: 1
Candidate Starts for Dylan_27:
(Start: 1 @12175 has 32 MA's), (2, 12241), (3, 12244), (4, 12289), (5, 12322), (6, 12388), (7, 12418), (8, 12466),

Gene: Familton_28 Start: 11975, Stop: 12328, Start Num: 1
Candidate Starts for Familton_28:
(Start: 1 @11975 has 32 MA's), (2, 12041), (3, 12044), (4, 12089), (5, 12122), (6, 12188), (7, 12218), (8, 12266), (9, 12302),

Gene: Firecracker_28 Start: 12073, Stop: 12402, Start Num: 1
Candidate Starts for Firecracker_28:
(Start: 1 @12073 has 32 MA's), (2, 12139), (3, 12142), (4, 12187), (5, 12220), (6, 12286), (7, 12316), (8, 12364),

Gene: FoulBall_27 Start: 11975, Stop: 12328, Start Num: 1
Candidate Starts for FoulBall_27:
(Start: 1 @11975 has 32 MA's), (2, 12041), (3, 12044), (4, 12089), (5, 12122), (6, 12188), (7, 12218), (8, 12266), (9, 12302),

Gene: Idergollasper_27 Start: 11975, Stop: 12328, Start Num: 1
Candidate Starts for Idergollasper_27:
(Start: 1 @11975 has 32 MA's), (2, 12041), (3, 12044), (4, 12089), (5, 12122), (6, 12188), (7, 12218), (8, 12266), (9, 12302),

Gene: Imara_28 Start: 12228, Stop: 12557, Start Num: 1
Candidate Starts for Imara_28:
(Start: 1 @12228 has 32 MA's), (2, 12294), (3, 12297), (4, 12342), (5, 12375), (6, 12441), (7, 12471), (8, 12519),

Gene: JangDynasty_27 Start: 12064, Stop: 12417, Start Num: 1
Candidate Starts for JangDynasty_27:
(Start: 1 @12064 has 32 MA's), (2, 12130), (3, 12133), (4, 12178), (5, 12211), (6, 12277), (7, 12307), (8, 12355), (9, 12391),

Gene: KingPhillip3_27 Start: 11975, Stop: 12328, Start Num: 1
Candidate Starts for KingPhillip3_27:
(Start: 1 @11975 has 32 MA's), (2, 12041), (3, 12044), (4, 12089), (5, 12122), (6, 12188), (7, 12218), (8, 12266), (9, 12302),

Gene: Krili_27 Start: 12139, Stop: 12492, Start Num: 1
Candidate Starts for Krili_27:
(Start: 1 @12139 has 32 MA's), (2, 12205), (3, 12208), (4, 12253), (5, 12286), (6, 12352), (7, 12382), (8, 12430), (9, 12466),

Gene: MadKillah_29 Start: 12367, Stop: 12720, Start Num: 1
Candidate Starts for MadKillah_29:
(Start: 1 @12367 has 32 MA's), (2, 12433), (3, 12436), (4, 12481), (5, 12514), (6, 12580), (7, 12610), (8, 12658), (9, 12694),

Gene: Mori_27 Start: 12010, Stop: 12363, Start Num: 1
Candidate Starts for Mori_27:
(Start: 1 @12010 has 32 MA's), (2, 12076), (3, 12079), (4, 12124), (5, 12157), (6, 12223), (7, 12253), (8, 12301), (9, 12337),

Gene: Murai_28 Start: 12206, Stop: 12559, Start Num: 1
Candidate Starts for Murai_28:
(Start: 1 @12206 has 32 MA's), (2, 12272), (3, 12275), (4, 12320), (5, 12353), (6, 12419), (7, 12449), (8, 12497), (9, 12533),

Gene: NiebruSaylor_27 Start: 12011, Stop: 12364, Start Num: 1
Candidate Starts for NiebruSaylor_27:
(Start: 1 @12011 has 32 MA's), (2, 12077), (3, 12080), (4, 12125), (5, 12158), (6, 12224), (7, 12254), (8, 12302), (9, 12338),

Gene: Ryadel_30 Start: 12788, Stop: 13141, Start Num: 1
Candidate Starts for Ryadel_30:
(Start: 1 @12788 has 32 MA's), (2, 12854), (3, 12857), (4, 12902), (5, 12935), (6, 13001), (7, 13031), (8, 13079), (9, 13115),

Gene: SchoolBus_27 Start: 11975, Stop: 12328, Start Num: 1
Candidate Starts for SchoolBus_27:
(Start: 1 @11975 has 32 MA's), (2, 12041), (3, 12044), (4, 12089), (5, 12122), (6, 12188), (7, 12218), (8, 12266), (9, 12302),

Gene: Schuy_29 Start: 12367, Stop: 12720, Start Num: 1
Candidate Starts for Schuy_29:
(Start: 1 @12367 has 32 MA's), (2, 12433), (3, 12436), (4, 12481), (5, 12514), (6, 12580), (7, 12610), (8, 12658), (9, 12694),

Gene: Shida_28 Start: 12272, Stop: 12601, Start Num: 1
Candidate Starts for Shida_28:
(Start: 1 @12272 has 32 MA's), (2, 12338), (3, 12341), (4, 12386), (5, 12419), (6, 12485), (7, 12515), (8, 12563),

Gene: Smooch_30 Start: 13526, Stop: 13855, Start Num: 1
Candidate Starts for Smooch_30:
(Start: 1 @13526 has 32 MA's), (2, 13592), (3, 13595), (4, 13640), (5, 13673), (6, 13739), (7, 13769), (8, 13817),

Gene: TelAviv_25 Start: 11972, Stop: 12325, Start Num: 1
Candidate Starts for TelAviv_25:
(Start: 1 @11972 has 32 MA's), (2, 12038), (3, 12041), (4, 12086), (5, 12119), (6, 12185), (7, 12215), (8, 12263), (9, 12299),

Gene: Vagabond_28 Start: 12249, Stop: 12578, Start Num: 1
Candidate Starts for Vagabond_28:
(Start: 1 @12249 has 32 MA's), (2, 12315), (3, 12318), (4, 12363), (5, 12396), (6, 12462), (7, 12492), (8, 12540),

Gene: Vorrps_27 Start: 12011, Stop: 12364, Start Num: 1
Candidate Starts for Vorrps_27:

(Start: 1 @12011 has 32 MA's), (2, 12077), (3, 12080), (4, 12125), (5, 12158), (6, 12224), (7, 12254), (8, 12302), (9, 12338),

Gene: Wildflower_28 Start: 12034, Stop: 12363, Start Num: 1
Candidate Starts for Wildflower_28:
(Start: 1 @12034 has 32 MA's), (2, 12100), (3, 12103), (4, 12148), (5, 12181), (6, 12247), (7, 12277), (8, 12325),

Gene: Winget_28 Start: 12248, Stop: 12577, Start Num: 1
Candidate Starts for Winget_28:
(Start: 1 @12248 has 32 MA's), (2, 12314), (3, 12317), (4, 12362), (5, 12395), (6, 12461), (7, 12491), (8, 12539),

Gene: Wogge42_27 Start: 12403, Stop: 12690, Start Num: 2
Candidate Starts for Wogge42_27:
(Start: 1 @12337 has 32 MA's), (2, 12403), (3, 12406), (4, 12451), (5, 12484), (6, 12550), (7, 12580), (8, 12628), (9, 12664),

Gene: YoyoKar_26 Start: 12042, Stop: 12329, Start Num: 2
Candidate Starts for YoyoKar_26:
(Start: 1 @11976 has 32 MA's), (2, 12042), (3, 12045), (4, 12090), (5, 12123), (6, 12189), (7, 12219), (8, 12267), (9, 12303),

Gene: YungJamal_30 Start: 12329, Stop: 12658, Start Num: 1
Candidate Starts for YungJamal_30:
(Start: 1 @12329 has 32 MA's), (2, 12395), (3, 12398), (4, 12443), (5, 12476), (6, 12542), (7, 12572), (8, 12620),

Gene: Zakhe101_28 Start: 12179, Stop: 12508, Start Num: 1
Candidate Starts for Zakhe101_28:
(Start: 1 @12179 has 32 MA's), (2, 12245), (3, 12248), (4, 12293), (5, 12326), (6, 12392), (7, 12422), (8, 12470),

Gene: Zebo_27 Start: 11975, Stop: 12328, Start Num: 1
Candidate Starts for Zebo_27:
(Start: 1 @11975 has 32 MA's), (2, 12041), (3, 12044), (4, 12089), (5, 12122), (6, 12188), (7, 12218), (8, 12266), (9, 12302),