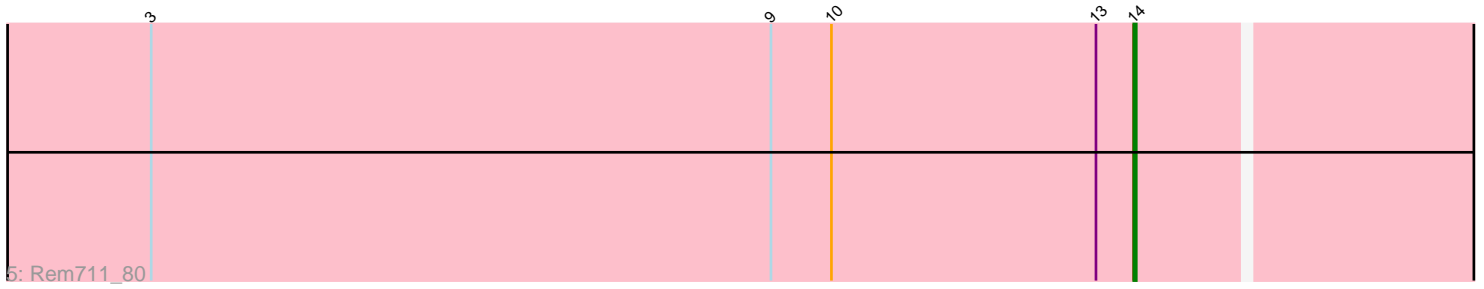
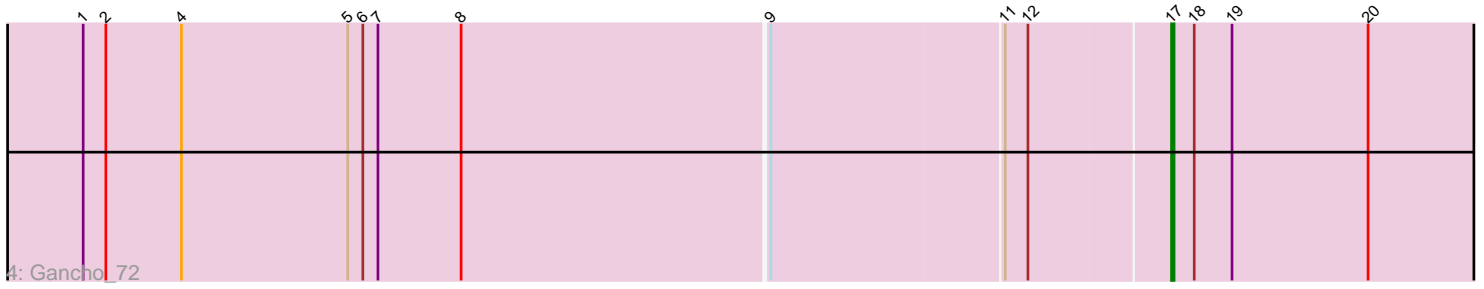
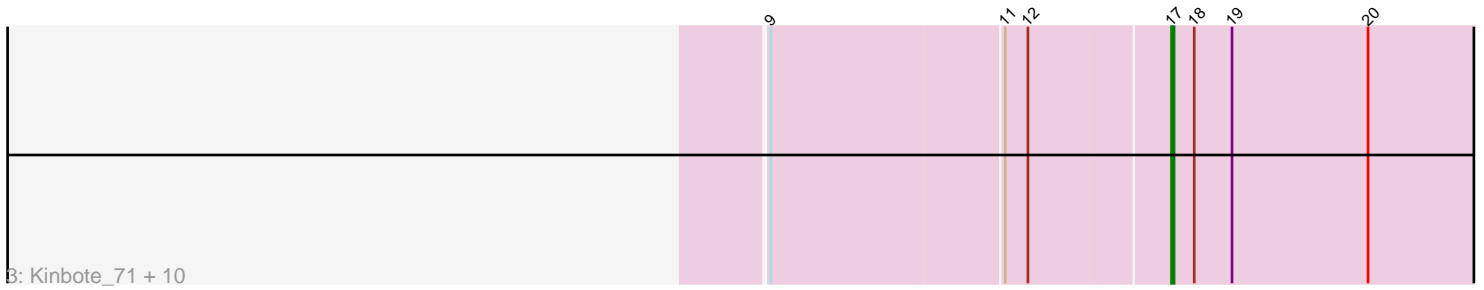
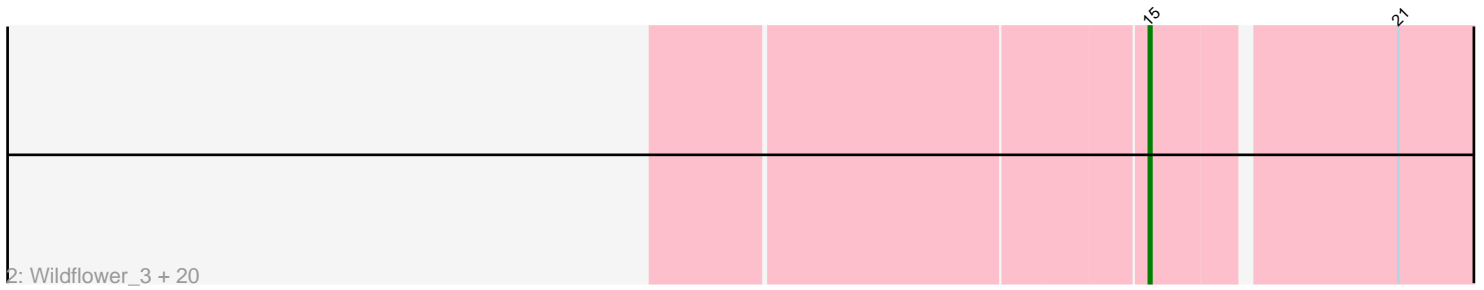
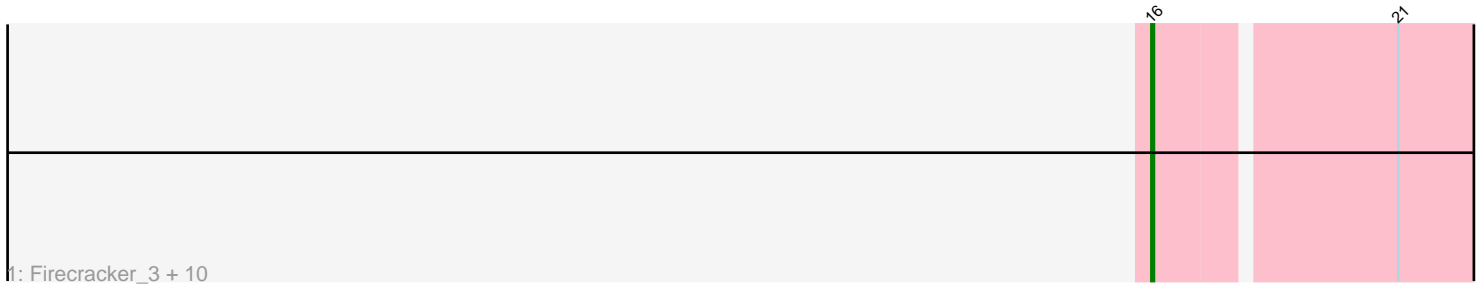


Pham 221540



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 221540 Report

This analysis was run 03/28/25 on database version 593.

Pham number 221540 has 45 members, 4 are drafts.

Phages represented in each track:

- Track 1 : Firecracker_3, Winget_3, Vagabond_3, JangDynasty_3, Corndog_4, Bora_3, Ryadel_4, Alkhayr_3, Wogge42_3, Smooch_4, YungJamal_4
- Track 2 : Wildflower_3, Catdawg_3, Krili_3, FoulBall_3, Dylan_4, Zebo_3, Mori_3, Familton_4, Vorrps_3, SchoolBus_3, Zakhe101_4, Schuy_3, TelAviv_3, MadKillah_3, NiebruSaylor_3, Blessica_3, Ashwin_4, Shida_3, Idergollasper_3, Murai_3, KingPhillip3_3
- Track 3 : Kinbote_71, LilHazelNut_73, Evanesce_72, Ubuntu_73, Webster2_73, Ein37_73, OBUpride_72, DeepSoil15_73, HH92_72, Amochick_74, Amymech_73
- Track 4 : Gancho_72
- Track 5 : Rem711_80

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

The start number called the most often in the published annotations is 15, it was called in 19 of the 41 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Ashwin_4, Blessica_3, Catdawg_3, Dylan_4, Familton_4, FoulBall_3, Idergollasper_3, KingPhillip3_3, Krili_3, MadKillah_3, Mori_3, Murai_3, NiebruSaylor_3, SchoolBus_3, Schuy_3, Shida_3, TelAviv_3, Vorrps_3, Wildflower_3, Zakhe101_4, Zebo_3,

Genes that have the "Most Annotated" start but do not call it:

-

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

- Alkhayr_3, Amochick_74, Amymech_73, Bora_3, Corndog_4, DeepSoil15_73, Ein37_73, Evanesce_72, Firecracker_3, Gancho_72, HH92_72, JangDynasty_3, Kinbote_71, LilHazelNut_73, OBUpride_72, Rem711_80, Ryadel_4, Smooch_4, Ubuntu_73, Vagabond_3, Webster2_73, Winget_3, Wogge42_3, YungJamal_4,

Summary by start number:

Start 14:

- Found in 1 of 45 (2.2%) of genes in pham
- Manual Annotations of this start: 1 of 41
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Rem711_80 (Z),

Start 15:

- Found in 21 of 45 (46.7%) of genes in pham
- Manual Annotations of this start: 19 of 41
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ashwin_4 (O), Blessica_3 (O), Catdawg_3 (O), Dylan_4 (O), Familton_4 (O), FoulBall_3 (O), Idergollasper_3 (O), KingPhillip3_3 (O), Krili_3 (O), MadKillah_3 (O), Mori_3 (O), Murai_3 (O), NiebruSaylor_3 (O), SchoolBus_3 (O), Schuy_3 (O), Shida_3 (O), TelAviv_3 (O), Vorrps_3 (O), Wildflower_3 (O), Zakhe101_4 (O), Zebo_3 (O),

Start 16:

- Found in 11 of 45 (24.4%) of genes in pham
- Manual Annotations of this start: 9 of 41
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alkhayr_3 (O), Bora_3 (O), Corndog_4 (O), Firecracker_3 (O), JangDynasty_3 (O), Ryadel_4 (O), Smooch_4 (O), Vagabond_3 (O), Winget_3 (O), Wogge42_3 (O), YungJamal_4 (O),

Start 17:

- Found in 12 of 45 (26.7%) of genes in pham
- Manual Annotations of this start: 12 of 41
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amochick_74 (Q), Amymech_73 (Q), DeepSoil15_73 (Q), Ein37_73 (Q), Evanesce_72 (Q), Gancho_72 (Q), HH92_72 (Q), Kinbote_71 (Q), LilHazelnut_73 (Q), OBUpride_72 (Q), Ubuntu_73 (Q), Webster2_73 (Q),

Summary by clusters:

There are 3 clusters represented in this pham: Q, Z, O,

Info for manual annotations of cluster O:

- Start number 15 was manually annotated 19 times for cluster O.
- Start number 16 was manually annotated 9 times for cluster O.

Info for manual annotations of cluster Q:

- Start number 17 was manually annotated 12 times for cluster Q.

Info for manual annotations of cluster Z:

- Start number 14 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: Alkhayr_3 Start: 819, Stop: 679, Start Num: 16

Candidate Starts for Alkhayr_3:

(Start: 16 @819 has 9 MA's), (21, 729),

Gene: Amochick_74 Start: 48649, Stop: 48795, Start Num: 17
Candidate Starts for Amochick_74:
(9, 48496), (11, 48586), (12, 48595), (Start: 17 @48649 has 12 MA's), (18, 48658), (19, 48673), (20, 48727),

Gene: Amymech_73 Start: 48102, Stop: 48248, Start Num: 17
Candidate Starts for Amymech_73:
(9, 47949), (11, 48039), (12, 48048), (Start: 17 @48102 has 12 MA's), (18, 48111), (19, 48126), (20, 48180),

Gene: Ashwin_4 Start: 1213, Stop: 1073, Start Num: 15
Candidate Starts for Ashwin_4:
(Start: 15 @1213 has 19 MA's), (21, 1123),

Gene: Blessica_3 Start: 768, Stop: 613, Start Num: 15
Candidate Starts for Blessica_3:
(Start: 15 @768 has 19 MA's), (21, 678),

Gene: Bora_3 Start: 819, Stop: 679, Start Num: 16
Candidate Starts for Bora_3:
(Start: 16 @819 has 9 MA's), (21, 729),

Gene: Catdawg_3 Start: 818, Stop: 678, Start Num: 15
Candidate Starts for Catdawg_3:
(Start: 15 @818 has 19 MA's), (21, 728),

Gene: Corndog_4 Start: 1111, Stop: 971, Start Num: 16
Candidate Starts for Corndog_4:
(Start: 16 @1111 has 9 MA's), (21, 1021),

Gene: DeepSoil15_73 Start: 48102, Stop: 48248, Start Num: 17
Candidate Starts for DeepSoil15_73:
(9, 47949), (11, 48039), (12, 48048), (Start: 17 @48102 has 12 MA's), (18, 48111), (19, 48126), (20, 48180),

Gene: Dylan_4 Start: 1217, Stop: 1077, Start Num: 15
Candidate Starts for Dylan_4:
(Start: 15 @1217 has 19 MA's), (21, 1127),

Gene: Ein37_73 Start: 48102, Stop: 48248, Start Num: 17
Candidate Starts for Ein37_73:
(9, 47949), (11, 48039), (12, 48048), (Start: 17 @48102 has 12 MA's), (18, 48111), (19, 48126), (20, 48180),

Gene: Evanesce_72 Start: 48102, Stop: 48248, Start Num: 17
Candidate Starts for Evanesce_72:
(9, 47949), (11, 48039), (12, 48048), (Start: 17 @48102 has 12 MA's), (18, 48111), (19, 48126), (20, 48180),

Gene: Familton_4 Start: 819, Stop: 679, Start Num: 15
Candidate Starts for Familton_4:
(Start: 15 @819 has 19 MA's), (21, 729),

Gene: Firecracker_3 Start: 820, Stop: 680, Start Num: 16

Candidate Starts for Firecracker_3:

(Start: 16 @820 has 9 MA's), (21, 730),

Gene: FoulBall_3 Start: 819, Stop: 679, Start Num: 15

Candidate Starts for FoulBall_3:

(Start: 15 @819 has 19 MA's), (21, 729),

Gene: Gancho_72 Start: 47877, Stop: 48023, Start Num: 17

Candidate Starts for Gancho_72:

(1, 47454), (2, 47463), (4, 47493), (5, 47559), (6, 47565), (7, 47571), (8, 47604), (9, 47724), (11, 47814), (12, 47823), (Start: 17 @47877 has 12 MA's), (18, 47886), (19, 47901), (20, 47955),

Gene: HH92_72 Start: 48102, Stop: 48248, Start Num: 17

Candidate Starts for HH92_72:

(9, 47949), (11, 48039), (12, 48048), (Start: 17 @48102 has 12 MA's), (18, 48111), (19, 48126), (20, 48180),

Gene: Idergollasper_3 Start: 819, Stop: 679, Start Num: 15

Candidate Starts for Idergollasper_3:

(Start: 15 @819 has 19 MA's), (21, 729),

Gene: JangDynasty_3 Start: 824, Stop: 684, Start Num: 16

Candidate Starts for JangDynasty_3:

(Start: 16 @824 has 9 MA's), (21, 734),

Gene: Kinbote_71 Start: 48102, Stop: 48248, Start Num: 17

Candidate Starts for Kinbote_71:

(9, 47949), (11, 48039), (12, 48048), (Start: 17 @48102 has 12 MA's), (18, 48111), (19, 48126), (20, 48180),

Gene: KingPhillip3_3 Start: 819, Stop: 679, Start Num: 15

Candidate Starts for KingPhillip3_3:

(Start: 15 @819 has 19 MA's), (21, 729),

Gene: Krili_3 Start: 770, Stop: 615, Start Num: 15

Candidate Starts for Krili_3:

(Start: 15 @770 has 19 MA's), (21, 680),

Gene: LilHazelnut_73 Start: 48102, Stop: 48248, Start Num: 17

Candidate Starts for LilHazelnut_73:

(9, 47949), (11, 48039), (12, 48048), (Start: 17 @48102 has 12 MA's), (18, 48111), (19, 48126), (20, 48180),

Gene: MadKillah_3 Start: 770, Stop: 615, Start Num: 15

Candidate Starts for MadKillah_3:

(Start: 15 @770 has 19 MA's), (21, 680),

Gene: Mori_3 Start: 770, Stop: 615, Start Num: 15

Candidate Starts for Mori_3:

(Start: 15 @770 has 19 MA's), (21, 680),

Gene: Murai_3 Start: 770, Stop: 615, Start Num: 15

Candidate Starts for Murai_3:

(Start: 15 @770 has 19 MA's), (21, 680),

Gene: NiebruSaylor_3 Start: 770, Stop: 615, Start Num: 15

Candidate Starts for NiebruSaylor_3:

(Start: 15 @770 has 19 MA's), (21, 680),

Gene: OBUpride_72 Start: 48146, Stop: 48292, Start Num: 17

Candidate Starts for OBUpride_72:

(9, 47993), (11, 48083), (12, 48092), (Start: 17 @48146 has 12 MA's), (18, 48155), (19, 48170), (20, 48224),

Gene: Rem711_80 Start: 48569, Stop: 48718, Start Num: 14

Candidate Starts for Rem711_80:

(3, 48179), (9, 48425), (10, 48449), (13, 48554), (Start: 14 @48569 has 1 MA's),

Gene: Ryadel_4 Start: 882, Stop: 727, Start Num: 16

Candidate Starts for Ryadel_4:

(Start: 16 @882 has 9 MA's), (21, 792),

Gene: SchoolBus_3 Start: 819, Stop: 679, Start Num: 15

Candidate Starts for SchoolBus_3:

(Start: 15 @819 has 19 MA's), (21, 729),

Gene: Schuy_3 Start: 770, Stop: 615, Start Num: 15

Candidate Starts for Schuy_3:

(Start: 15 @770 has 19 MA's), (21, 680),

Gene: Shida_3 Start: 819, Stop: 679, Start Num: 15

Candidate Starts for Shida_3:

(Start: 15 @819 has 19 MA's), (21, 729),

Gene: Smooch_4 Start: 1109, Stop: 969, Start Num: 16

Candidate Starts for Smooch_4:

(Start: 16 @1109 has 9 MA's), (21, 1019),

Gene: TelAviv_3 Start: 819, Stop: 679, Start Num: 15

Candidate Starts for TelAviv_3:

(Start: 15 @819 has 19 MA's), (21, 729),

Gene: Ubuntu_73 Start: 48102, Stop: 48248, Start Num: 17

Candidate Starts for Ubuntu_73:

(9, 47949), (11, 48039), (12, 48048), (Start: 17 @48102 has 12 MA's), (18, 48111), (19, 48126), (20, 48180),

Gene: Vagabond_3 Start: 821, Stop: 681, Start Num: 16

Candidate Starts for Vagabond_3:

(Start: 16 @821 has 9 MA's), (21, 731),

Gene: Vorrrps_3 Start: 770, Stop: 615, Start Num: 15

Candidate Starts for Vorrrps_3:

(Start: 15 @770 has 19 MA's), (21, 680),

Gene: Webster2_73 Start: 48102, Stop: 48248, Start Num: 17

Candidate Starts for Webster2_73:

(9, 47949), (11, 48039), (12, 48048), (Start: 17 @48102 has 12 MA's), (18, 48111), (19, 48126), (20, 48180),

Gene: Wildflower_3 Start: 865, Stop: 725, Start Num: 15

Candidate Starts for Wildflower_3:

(Start: 15 @865 has 19 MA's), (21, 775),

Gene: Winget_3 Start: 820, Stop: 680, Start Num: 16

Candidate Starts for Winget_3:

(Start: 16 @820 has 9 MA's), (21, 730),

Gene: Wogge42_3 Start: 824, Stop: 684, Start Num: 16

Candidate Starts for Wogge42_3:

(Start: 16 @824 has 9 MA's), (21, 734),

Gene: YungJamal_4 Start: 1109, Stop: 969, Start Num: 16

Candidate Starts for YungJamal_4:

(Start: 16 @1109 has 9 MA's), (21, 1019),

Gene: Zakhe101_4 Start: 1217, Stop: 1077, Start Num: 15

Candidate Starts for Zakhe101_4:

(Start: 15 @1217 has 19 MA's), (21, 1127),

Gene: Zebo_3 Start: 819, Stop: 679, Start Num: 15

Candidate Starts for Zebo_3:

(Start: 15 @819 has 19 MA's), (21, 729),