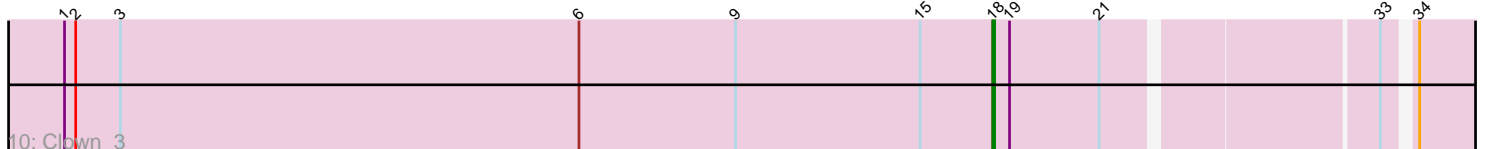
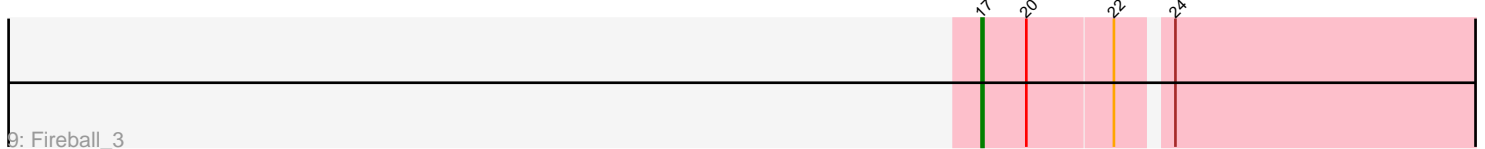
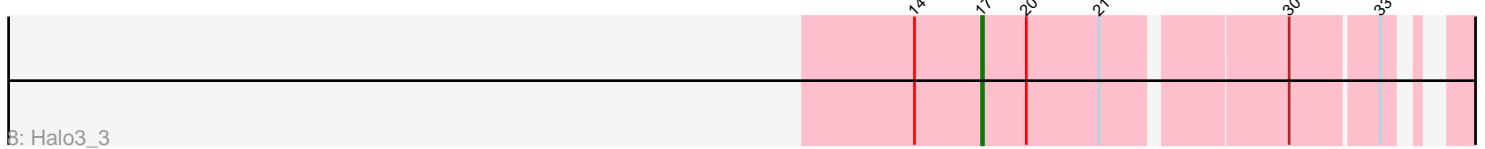
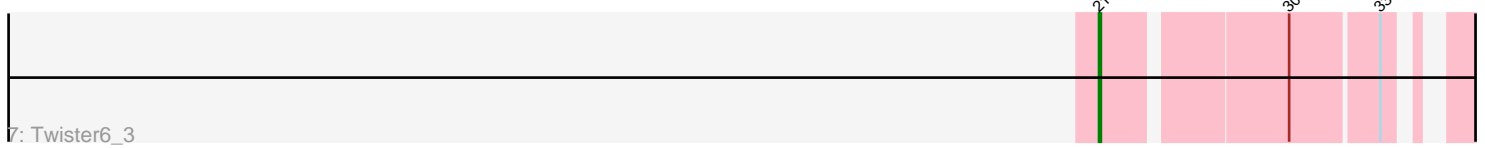
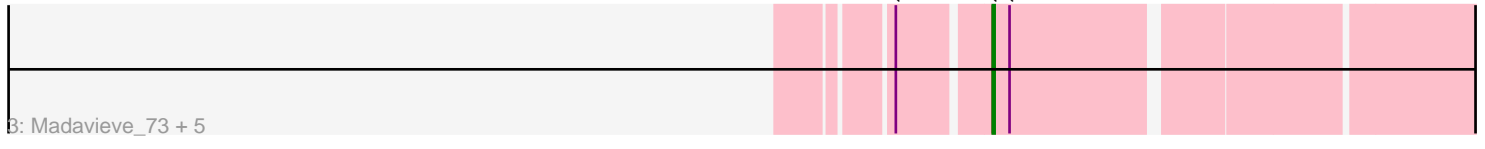
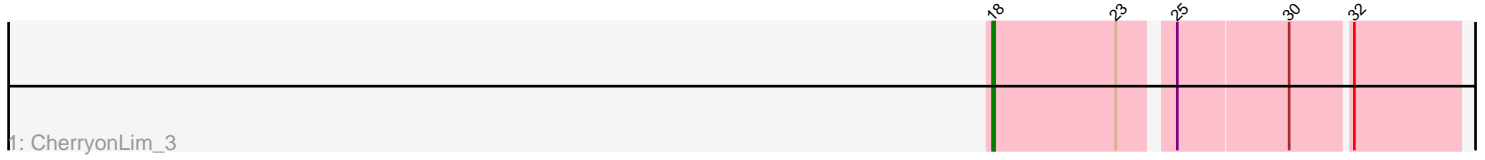


Pham 308938



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 308938 Report

This analysis was run 06/27/26 on database version 652.

Pham number 308938 has 37 members, 5 are drafts.

Phages represented in each track:

- Track 1 : CherryonLim_3
- Track 2 : SushiChef_75
- Track 3 : Madavieve_73, Zirinka_72, Bialota_72, AlumE_75, BoyNamedSue_75, Maridalia_77
- Track 4 : Hyzer_92
- Track 5 : DobbysSock_68
- Track 6 : Valary_3, Nubi_3, JohnPork_3, Wizard_3, Portcullis_3, Egi03_3, CoveyB_3, ClamChowder_3, Arri_3, YungMoney_3, Fugax_3, Barb_3, PullumCavea_3, Gezellig_3, CherryCola_3, Danyall_3, Sendy_3, KimmyK_3, Shinji_3, PinkCoffee_3, RogerDodger_3, Mutzi_3, Phlop_3
- Track 7 : Twister6_3
- Track 8 : Halo3_3
- Track 9 : Fireball_3
- Track 10 : Clown_3

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

The start number called the most often in the published annotations is 17, it was called in 23 of the 32 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Arri_3, Barb_3, CherryCola_3, ClamChowder_3, CoveyB_3, Danyall_3, DobbysSock_68, Egi03_3, Fireball_3, Fugax_3, Gezellig_3, Halo3_3, JohnPork_3, KimmyK_3, Mutzi_3, Nubi_3, Phlop_3, PinkCoffee_3, Portcullis_3, PullumCavea_3, RogerDodger_3, Sendy_3, Shinji_3, Valary_3, Wizard_3, YungMoney_3,

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

-

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

- AlumE_75, Bialota_72, BoyNamedSue_75, CherryonLim_3, Clown_3, Hyzer_92, Madavieve_73, Maridalia_77, SushiChef_75, Twister6_3, Zirinka_72,

Summary by start number:

Start 17:

- Found in 26 of 37 (70.3%) of genes in pham
- Manual Annotations of this start: 23 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Arri_3 (DC1), Barb_3 (DC1), CherryCola_3 (DC1), ClamChowder_3 (DC1), CoveyB_3 (DC1), Danyall_3 (DC1), DobbysSock_68 (CZ4), Egi03_3 (DC1), Fireball_3 (DC1), Fugax_3 (DC1), Gezellig_3 (DC1), Halo3_3 (DC1), JohnPork_3 (DC1), KimmyK_3 (DC1), Mutzi_3 (DC1), Nubi_3 (DC1), Phlop_3 (DC1), PinkCoffee_3 (DC1), Portcullis_3 (DC1), PullumCavea_3 (DC1), RogerDodger_3 (DC1), Sendy_3 (DC1), Shinji_3 (DC1), Valary_3 (DC1), Wizard_3 (DC1), YungMoney_3 (DC1),

Start 18:

- Found in 10 of 37 (27.0%) of genes in pham
- Manual Annotations of this start: 8 of 32
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AlumE_75 (CZ1), Bialota_72 (CZ1), BoyNamedSue_75 (CZ1), CherryonLim_3 (CT), Clown_3 (DC2), Hyzer_92 (CZ1), Madavieve_73 (CZ1), Maridalia_77 (CZ1), SushiChef_75 (CZ), Zirinka_72 (CZ1),

Start 21:

- Found in 3 of 37 (8.1%) of genes in pham
- Manual Annotations of this start: 1 of 32
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Twister6_3 (DC1),

Summary by clusters:

There are 6 clusters represented in this pham: CZ1, CZ4, CZ, DC1, DC2, CT,

Info for manual annotations of cluster CT:

- Start number 18 was manually annotated 1 time for cluster CT.

Info for manual annotations of cluster CZ1:

- Start number 18 was manually annotated 6 times for cluster CZ1.

Info for manual annotations of cluster CZ4:

- Start number 17 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster DC1:

- Start number 17 was manually annotated 22 times for cluster DC1.
- Start number 21 was manually annotated 1 time for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 18 was manually annotated 1 time for cluster DC2.

Gene Information:

Gene: AlumE_75 Start: 49953, Stop: 50195, Start Num: 18

Candidate Starts for AlumE_75:
(13, 49908), (Start: 18 @49953 has 8 MA's), (19, 49962),

Gene: Arri_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for Arri_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Barb_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for Barb_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Bialota_72 Start: 49404, Stop: 49646, Start Num: 18
Candidate Starts for Bialota_72:
(13, 49359), (Start: 18 @49404 has 8 MA's), (19, 49413),

Gene: BoyNamedSue_75 Start: 49953, Stop: 50195, Start Num: 18
Candidate Starts for BoyNamedSue_75:
(13, 49908), (Start: 18 @49953 has 8 MA's), (19, 49962),

Gene: CherryCola_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for CherryCola_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: CherryonLim_3 Start: 977, Stop: 1207, Start Num: 18
Candidate Starts for CherryonLim_3:
(Start: 18 @977 has 8 MA's), (23, 1043), (25, 1067), (30, 1124), (32, 1154),

Gene: ClamChowder_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for ClamChowder_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Clown_3 Start: 1189, Stop: 1464, Start Num: 18
Candidate Starts for Clown_3:
(1, 691), (2, 697), (3, 721), (6, 967), (9, 1051), (15, 1150), (Start: 18 @1189 has 8 MA's), (19, 1198),
(Start: 21 @1246 has 1 MA's), (33, 1381), (34, 1393),

Gene: CoveyB_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for CoveyB_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Danyall_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for Danyall_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: DobbysSock_68 Start: 45623, Stop: 45940, Start Num: 17
Candidate Starts for DobbysSock_68:
(4, 45371), (5, 45380), (8, 45452), (10, 45530), (11, 45533), (12, 45539), (Start: 17 @45623 has 23 MA's), (19, 45638), (26, 45734), (31, 45803),

Gene: Egi03_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for Egi03_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Fireball_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for Fireball_3:
(Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Fugax_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for Fugax_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Gezellig_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for Gezellig_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Halo3_3 Start: 1067, Stop: 1321, Start Num: 17
Candidate Starts for Halo3_3:
(14, 1031), (Start: 17 @1067 has 23 MA's), (20, 1091), (Start: 21 @1130 has 1 MA's), (30, 1220), (33, 1265),

Gene: Hyzer_92 Start: 57378, Stop: 57623, Start Num: 18
Candidate Starts for Hyzer_92:
(16, 57369), (Start: 18 @57378 has 8 MA's), (19, 57387), (27, 57501), (28, 57513), (29, 57525),

Gene: JohnPork_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for JohnPork_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: KimmyK_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for KimmyK_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Madavieve_73 Start: 49113, Stop: 49355, Start Num: 18
Candidate Starts for Madavieve_73:
(13, 49068), (Start: 18 @49113 has 8 MA's), (19, 49122),

Gene: Maridalia_77 Start: 48993, Stop: 49235, Start Num: 18
Candidate Starts for Maridalia_77:
(13, 48948), (Start: 18 @48993 has 8 MA's), (19, 49002),

Gene: Mutzi_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for Mutzi_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Nubi_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for Nubi_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Phlop_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for Phlop_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: PinkCoffee_3 Start: 1064, Stop: 1348, Start Num: 17
Candidate Starts for PinkCoffee_3:
(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Portcullis_3 Start: 1064, Stop: 1348, Start Num: 17

Candidate Starts for Portcullis_3:

(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: PullumCavea_3 Start: 1064, Stop: 1348, Start Num: 17

Candidate Starts for PullumCavea_3:

(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: RogerDodger_3 Start: 1064, Stop: 1348, Start Num: 17

Candidate Starts for RogerDodger_3:

(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Sendy_3 Start: 1064, Stop: 1348, Start Num: 17

Candidate Starts for Sendy_3:

(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Shinji_3 Start: 1064, Stop: 1348, Start Num: 17

Candidate Starts for Shinji_3:

(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: SushiChef_75 Start: 50054, Stop: 50296, Start Num: 18

Candidate Starts for SushiChef_75:

(7, 49856), (Start: 18 @50054 has 8 MA's), (19, 50063),

Gene: Twister6_3 Start: 1126, Stop: 1317, Start Num: 21

Candidate Starts for Twister6_3:

(Start: 21 @1126 has 1 MA's), (30, 1216), (33, 1261),

Gene: Valary_3 Start: 1064, Stop: 1348, Start Num: 17

Candidate Starts for Valary_3:

(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Wizard_3 Start: 1064, Stop: 1348, Start Num: 17

Candidate Starts for Wizard_3:

(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: YungMoney_3 Start: 1064, Stop: 1348, Start Num: 17

Candidate Starts for YungMoney_3:

(6, 854), (15, 1031), (Start: 17 @1064 has 23 MA's), (20, 1088), (22, 1133), (24, 1157),

Gene: Zirinka_72 Start: 49392, Stop: 49634, Start Num: 18

Candidate Starts for Zirinka_72:

(13, 49347), (Start: 18 @49392 has 8 MA's), (19, 49401),