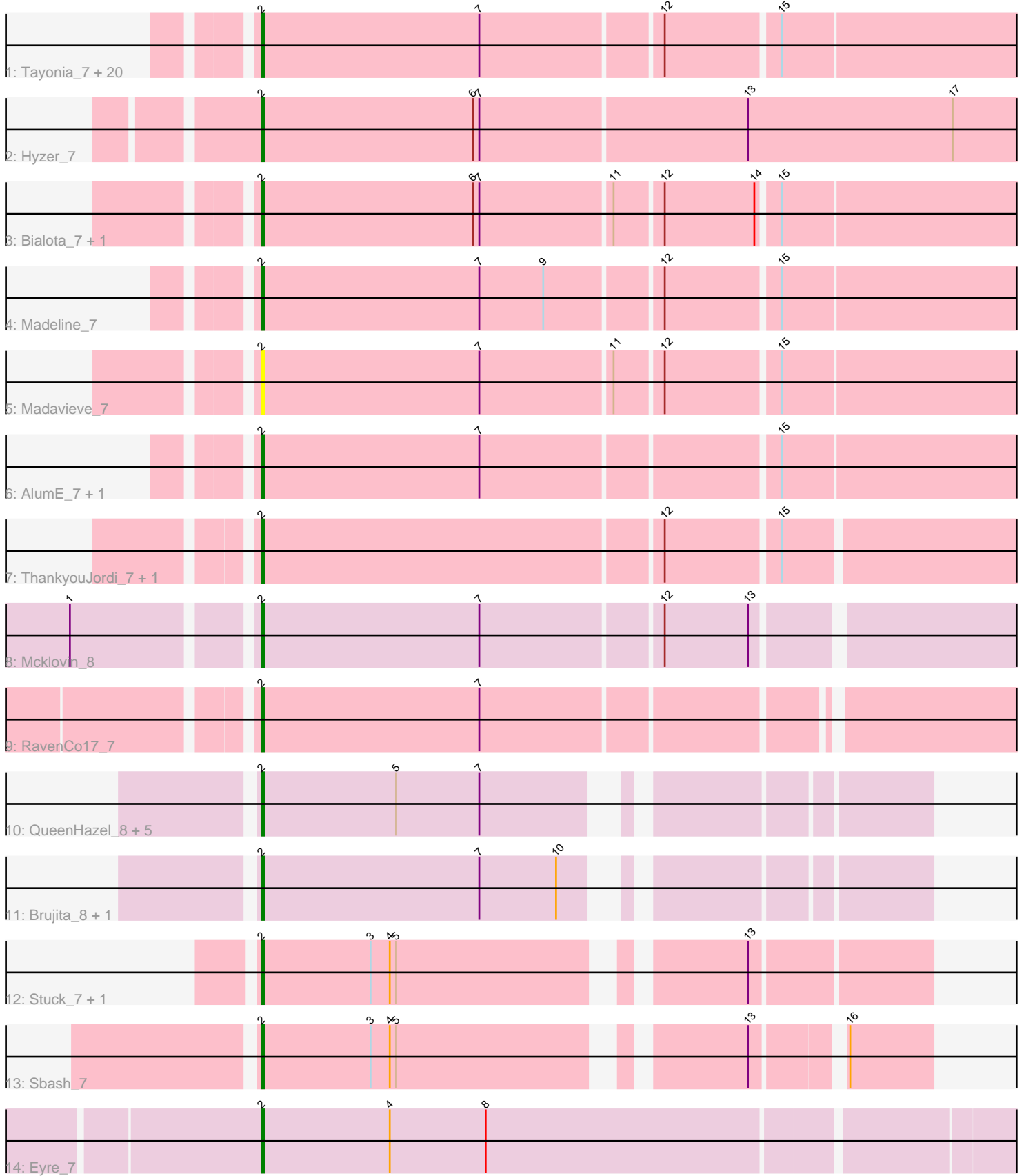


Pham 308825



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 308825 Report

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

Pham number 308825 has 44 members, 5 are drafts.

Phages represented in each track:

- Track 1 : Tayonia_7, Maridalia_7, Kita_7, Agueybana_7, Eviarto_7, Hugley_7, Antonio_7, Suscepit_7, Polly_7, BatStarr_7, Eudoria_7, SushiChef_7, Bunnybear_7, Zameen_7, Nymphadora_7, TimTam_7, Manasvini_7, Trumpet_7, Herod_7, Neobush_7, Bosnia_7
- Track 2 : Hyzer_7
- Track 3 : Bialota_7, Zirinka_7
- Track 4 : Madeline_7
- Track 5 : Madavieve_7
- Track 6 : AlumE_7, BoyNamedSue_7
- Track 7 : ThankyouJordi_7, WelcomeAyanna_7
- Track 8 : Mcklovin_8
- Track 9 : RavenCo17_7
- Track 10 : QueenHazel_8, Babsiella_8, HC_08, PaintedDog_7, Xula_7, Bluvara_8
- Track 11 : Brujita_8, Island3_8
- Track 12 : Stuck_7, Che9c_7
- Track 13 : Sbash_7
- Track 14 : Eyre_7

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

The start number called the most often in the published annotations is 2, it was called in 39 of the 39 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Agueybana_7, AlumE_7, Antonio_7, Babsiella_8, BatStarr_7, Bialota_7, Bluvara_8, Bosnia_7, BoyNamedSue_7, Brujita_8, Bunnybear_7, Che9c_7, Eudoria_7, Eviarto_7, Eyre_7, HC_08, Herod_7, Hugley_7, Hyzer_7, Island3_8, Kita_7, Madavieve_7, Madeline_7, Manasvini_7, Maridalia_7, Mcklovin_8, Neobush_7, Nymphadora_7, PaintedDog_7, Polly_7, QueenHazel_8, RavenCo17_7, Sbash_7, Stuck_7, Suscepit_7, SushiChef_7, Tayonia_7, ThankyouJordi_7, TimTam_7, Trumpet_7, WelcomeAyanna_7, Xula_7, Zameen_7, Zirinka_7,

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 2:

- Found in 44 of 44 (100.0%) of genes in pham
- Manual Annotations of this start: 39 of 39
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agueybana_7 (CZ1), AlumE_7 (CZ1), Antonio_7 (CZ1), Babsiella_8 (I1), BatStarr_7 (CZ1), Bialota_7 (CZ1), Bluvara_8 (I3), Bosnia_7 (CZ1), BoyNamedSue_7 (CZ1), Brujita_8 (I1), Bunnybear_7 (CZ), Che9c_7 (I2), Eudoria_7 (CZ1), Eviarto_7 (CZ1), Eyre_7 (singleton), HC_08 (I1), Herod_7 (CZ1), Hugley_7 (CZ1), Hyzer_7 (CZ1), Island3_8 (I1), Kita_7 (CZ1), Madavieve_7 (CZ1), Madeline_7 (CZ1), Manasvini_7 (CZ1), Maridalia_7 (CZ1), Mcklovin_8 (CZ4), Neobush_7 (CZ1), Nymphadora_7 (CZ1), PaintedDog_7 (I1), Polly_7 (CZ1), QueenHazel_8 (I1), RavenCo17_7 (CZ8), Sbash_7 (I2), Stuck_7 (I2), Suscepit_7 (CZ1), SushiChef_7 (CZ), Tayonia_7 (CZ1), ThankyouJordi_7 (CZ1), TimTam_7 (CZ1), Trumpet_7 (CZ1), WelcomeAyanna_7 (CZ1), Xula_7 (I1), Zameen_7 (CZ1), Zirinka_7 (CZ1),

Summary by clusters:

There are 8 clusters represented in this pham: singleton, CZ1, I1, I3, I2, CZ8, CZ4, CZ,

Info for manual annotations of cluster CZ:

- Start number 2 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 2 was manually annotated 26 times for cluster CZ1.

Info for manual annotations of cluster CZ4:

- Start number 2 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster CZ8:

- Start number 2 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster I1:

- Start number 2 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster I2:

- Start number 2 was manually annotated 3 times for cluster I2.

Gene Information:

Gene: Agueybana_7 Start: 6430, Stop: 6777, Start Num: 2

Candidate Starts for Agueybana_7:

(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: AlumE_7 Start: 6430, Stop: 6777, Start Num: 2

Candidate Starts for AlumE_7:

(Start: 2 @6430 has 39 MA's), (7, 6532), (15, 6664),

Gene: Antonio_7 Start: 6430, Stop: 6777, Start Num: 2

Candidate Starts for Antonio_7:

(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: Babsiella_8 Start: 6725, Stop: 7003, Start Num: 2

Candidate Starts for Babsiella_8:

(Start: 2 @6725 has 39 MA's), (5, 6788), (7, 6827),

Gene: BatStarr_7 Start: 6430, Stop: 6777, Start Num: 2

Candidate Starts for BatStarr_7:

(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: Bialota_7 Start: 6430, Stop: 6777, Start Num: 2

Candidate Starts for Bialota_7:

(Start: 2 @6430 has 39 MA's), (6, 6529), (7, 6532), (11, 6592), (12, 6613), (14, 6655), (15, 6664),

Gene: Bluvara_8 Start: 6726, Stop: 7004, Start Num: 2

Candidate Starts for Bluvara_8:

(Start: 2 @6726 has 39 MA's), (5, 6789), (7, 6828),

Gene: Bosnia_7 Start: 6430, Stop: 6777, Start Num: 2

Candidate Starts for Bosnia_7:

(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: BoyNamedSue_7 Start: 6430, Stop: 6777, Start Num: 2

Candidate Starts for BoyNamedSue_7:

(Start: 2 @6430 has 39 MA's), (7, 6532), (15, 6664),

Gene: Brujita_8 Start: 6729, Stop: 7007, Start Num: 2

Candidate Starts for Brujita_8:

(Start: 2 @6729 has 39 MA's), (7, 6831), (10, 6867),

Gene: Bunnybear_7 Start: 6430, Stop: 6768, Start Num: 2

Candidate Starts for Bunnybear_7:

(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: Che9c_7 Start: 6321, Stop: 6605, Start Num: 2

Candidate Starts for Che9c_7:

(Start: 2 @6321 has 39 MA's), (3, 6372), (4, 6381), (5, 6384), (13, 6525),

Gene: Eudoria_7 Start: 6430, Stop: 6777, Start Num: 2

Candidate Starts for Eudoria_7:

(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: Eviarto_7 Start: 6430, Stop: 6777, Start Num: 2

Candidate Starts for Eviarto_7:

(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: Eyre_7 Start: 6247, Stop: 6594, Start Num: 2
Candidate Starts for Eyre_7:
(Start: 2 @6247 has 39 MA's), (4, 6307), (8, 6352),

Gene: HC_08 Start: 6728, Stop: 7006, Start Num: 2
Candidate Starts for HC_08:
(Start: 2 @6728 has 39 MA's), (5, 6791), (7, 6830),

Gene: Herod_7 Start: 6430, Stop: 6777, Start Num: 2
Candidate Starts for Herod_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: Hugley_7 Start: 6430, Stop: 6777, Start Num: 2
Candidate Starts for Hugley_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: Hyzer_7 Start: 6419, Stop: 6778, Start Num: 2
Candidate Starts for Hyzer_7:
(Start: 2 @6419 has 39 MA's), (6, 6518), (7, 6521), (13, 6644), (17, 6740),

Gene: Island3_8 Start: 6729, Stop: 7007, Start Num: 2
Candidate Starts for Island3_8:
(Start: 2 @6729 has 39 MA's), (7, 6831), (10, 6867),

Gene: Kita_7 Start: 6430, Stop: 6777, Start Num: 2
Candidate Starts for Kita_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: Madavieve_7 Start: 6430, Stop: 6777, Start Num: 2
Candidate Starts for Madavieve_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (11, 6592), (12, 6613), (15, 6664),

Gene: Madeline_7 Start: 6430, Stop: 6777, Start Num: 2
Candidate Starts for Madeline_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (9, 6562), (12, 6613), (15, 6664),

Gene: Manasvini_7 Start: 6430, Stop: 6777, Start Num: 2
Candidate Starts for Manasvini_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: Maridalia_7 Start: 6430, Stop: 6777, Start Num: 2
Candidate Starts for Maridalia_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: Mcklovin_8 Start: 6895, Stop: 7236, Start Num: 2
Candidate Starts for Mcklovin_8:
(1, 6817), (Start: 2 @6895 has 39 MA's), (7, 6997), (12, 7078), (13, 7117),

Gene: Neobush_7 Start: 6430, Stop: 6777, Start Num: 2
Candidate Starts for Neobush_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: Nymphadora_7 Start: 6430, Stop: 6777, Start Num: 2

Candidate Starts for Nymphadora_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: PaintedDog_7 Start: 6275, Stop: 6553, Start Num: 2
Candidate Starts for PaintedDog_7:
(Start: 2 @6275 has 39 MA's), (5, 6338), (7, 6377),

Gene: Polly_7 Start: 6430, Stop: 6777, Start Num: 2
Candidate Starts for Polly_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: QueenHazel_8 Start: 6731, Stop: 7009, Start Num: 2
Candidate Starts for QueenHazel_8:
(Start: 2 @6731 has 39 MA's), (5, 6794), (7, 6833),

Gene: RavenCo17_7 Start: 6437, Stop: 6775, Start Num: 2
Candidate Starts for RavenCo17_7:
(Start: 2 @6437 has 39 MA's), (7, 6539),

Gene: Sbash_7 Start: 6305, Stop: 6583, Start Num: 2
Candidate Starts for Sbash_7:
(Start: 2 @6305 has 39 MA's), (3, 6356), (4, 6365), (5, 6368), (13, 6509), (16, 6545),

Gene: Stuck_7 Start: 6311, Stop: 6595, Start Num: 2
Candidate Starts for Stuck_7:
(Start: 2 @6311 has 39 MA's), (3, 6362), (4, 6371), (5, 6374), (13, 6515),

Gene: Suscepit_7 Start: 6430, Stop: 6777, Start Num: 2
Candidate Starts for Suscepit_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: SushiChef_7 Start: 6430, Stop: 6777, Start Num: 2
Candidate Starts for SushiChef_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: Tayonia_7 Start: 6430, Stop: 6777, Start Num: 2
Candidate Starts for Tayonia_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: ThankyouJordi_7 Start: 6431, Stop: 6775, Start Num: 2
Candidate Starts for ThankyouJordi_7:
(Start: 2 @6431 has 39 MA's), (12, 6614), (15, 6665),

Gene: TimTam_7 Start: 6430, Stop: 6777, Start Num: 2
Candidate Starts for TimTam_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: Trumpet_7 Start: 6430, Stop: 6777, Start Num: 2
Candidate Starts for Trumpet_7:
(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: WelcomeAyanna_7 Start: 6431, Stop: 6775, Start Num: 2
Candidate Starts for WelcomeAyanna_7:

(Start: 2 @6431 has 39 MA's), (12, 6614), (15, 6665),

Gene: Xula_7 Start: 6360, Stop: 6638, Start Num: 2

Candidate Starts for Xula_7:

(Start: 2 @6360 has 39 MA's), (5, 6423), (7, 6462),

Gene: Zameen_7 Start: 6430, Stop: 6777, Start Num: 2

Candidate Starts for Zameen_7:

(Start: 2 @6430 has 39 MA's), (7, 6532), (12, 6613), (15, 6664),

Gene: Zirinka_7 Start: 6430, Stop: 6777, Start Num: 2

Candidate Starts for Zirinka_7:

(Start: 2 @6430 has 39 MA's), (6, 6529), (7, 6532), (11, 6592), (12, 6613), (14, 6655), (15, 6664),