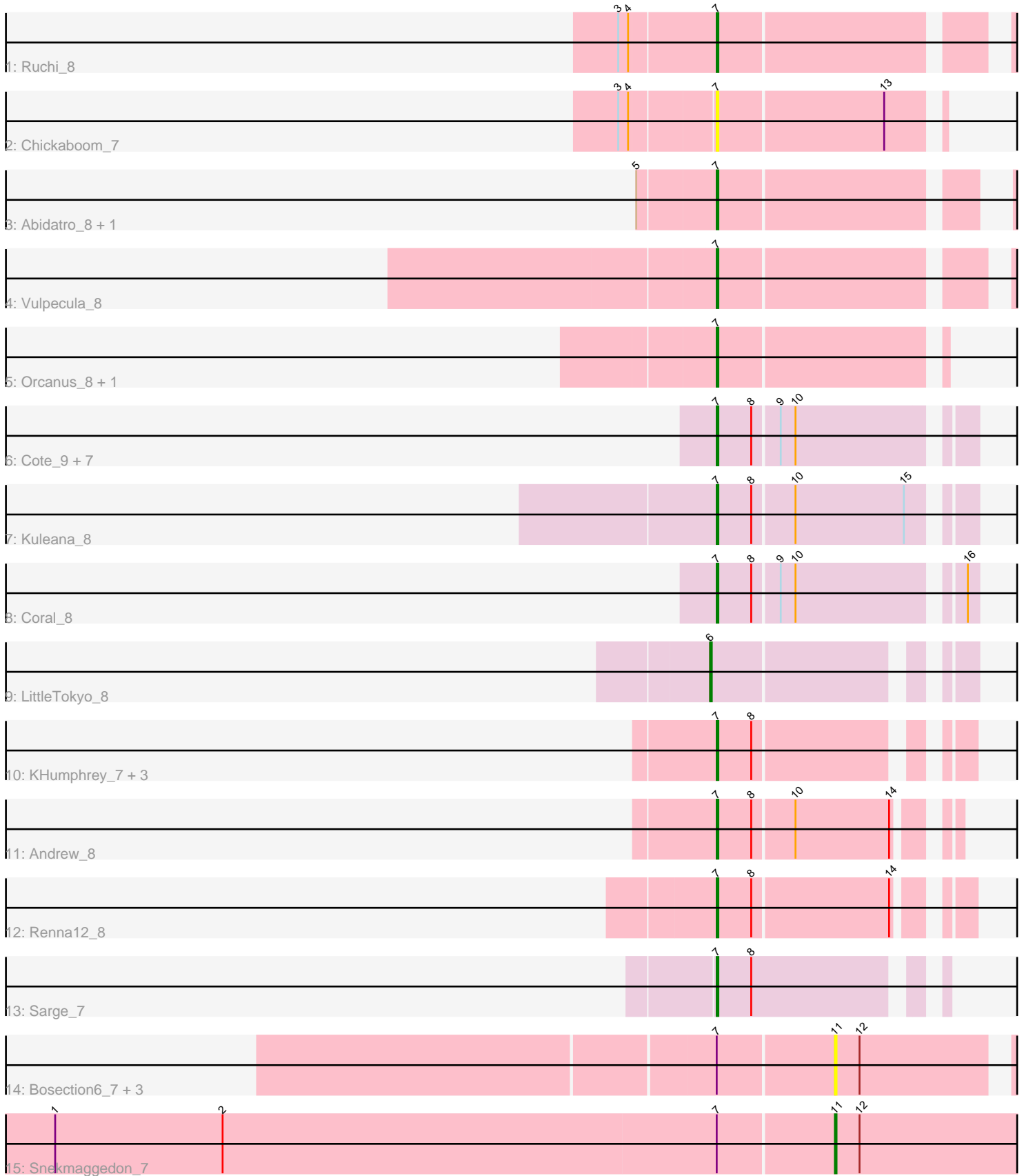


Pham 163833



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 163833 Report

This analysis was run 04/28/24 on database version 559.

Pham number 163833 has 30 members, 9 are drafts.

Phages represented in each track:

- Track 1 : Ruchi_8
- Track 2 : Chickaboom_7
- Track 3 : Abidatro_8, Galaxy_8
- Track 4 : Vulpecula_8
- Track 5 : Orcanus_8, Eesa_8
- Track 6 : Cote_9, Daob_9, Polka_8, Amelia_9, HannahPhantana_9, Melons_9, Kepler_8, Lunar_9
- Track 7 : Kuleana_8
- Track 8 : Coral_8
- Track 9 : LittleTokyo_8
- Track 10 : KHumphrey_7, PhluffyCoco_7, RedFox_7, Juno112_7
- Track 11 : Andrew_8
- Track 12 : Renna12_8
- Track 13 : Sarge_7
- Track 14 : Bosection6_7, Silvy_7, Melville_7, Scitech_7
- Track 15 : Snekmaggedon_7

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

The start number called the most often in the published annotations is 7, it was called in 19 of the 21 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abidatro_8, Amelia_9, Andrew_8, Chickaboom_7, Coral_8, Cote_9, Daob_9, Eesa_8, Galaxy_8, HannahPhantana_9, Juno112_7, KHumphrey_7, Kepler_8, Kuleana_8, Lunar_9, Melons_9, Orcanus_8, PhluffyCoco_7, Polka_8, RedFox_7, Renna12_8, Ruchi_8, Sarge_7, Vulpecula_8,

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

- Bosection6_7, Melville_7, Scitech_7, Silvy_7, Snekmaggedon_7,

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

- LittleTokyo_8,

Summary by start number:

Start 6:

- Found in 1 of 30 (3.3%) of genes in pham
- Manual Annotations of this start: 1 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LittleTokyo_8 (AS2),

Start 7:

- Found in 29 of 30 (96.7%) of genes in pham
- Manual Annotations of this start: 19 of 21
- Called 82.8% of time when present
- Phage (with cluster) where this start called: Abidatro_8 (AS1), Amelia_9 (AS2), Andrew_8 (AS3), Chickaboom_7 (AS1), Coral_8 (AS2), Cote_9 (AS2), Daob_9 (AS2), Eesa_8 (AS1), Galaxy_8 (AS1), HannahPhantana_9 (AS2), Juno112_7 (AS3), KHumphrey_7 (AS3), Kepler_8 (AS2), Kuleana_8 (AS2), Lunar_9 (AS2), Melons_9 (AS2), Orcanus_8 (AS1), PhluffyCoco_7 (AS3), Polka_8 (AS2), RedFox_7 (AS3), Renna12_8 (AS3), Ruchi_8 (AS1), Sarge_7 (FB), Vulpecula_8 (AS1),

Start 11:

- Found in 5 of 30 (16.7%) of genes in pham
- Manual Annotations of this start: 1 of 21
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bosection6_7 (N), Melville_7 (N), Scitech_7 (N), Silvy_7 (N), Snekmaggon_7 (N),

Summary by clusters:

There are 5 clusters represented in this pham: AS3, AS2, AS1, FB, N,

Info for manual annotations of cluster AS1:

- Start number 7 was manually annotated 6 times for cluster AS1.

Info for manual annotations of cluster AS2:

- Start number 6 was manually annotated 1 time for cluster AS2.
- Start number 7 was manually annotated 9 times for cluster AS2.

Info for manual annotations of cluster AS3:

- Start number 7 was manually annotated 3 times for cluster AS3.

Info for manual annotations of cluster FB:

- Start number 7 was manually annotated 1 time for cluster FB.

Info for manual annotations of cluster N:

- Start number 11 was manually annotated 1 time for cluster N.

Gene Information:

Gene: Abidatro_8 Start: 6875, Stop: 7084, Start Num: 7

Candidate Starts for Abidatro_8:

(5, 6830), (Start: 7 @6875 has 19 MA's),

Gene: Amelia_9 Start: 7077, Stop: 7280, Start Num: 7
Candidate Starts for Amelia_9:
(Start: 7 @7077 has 19 MA's), (8, 7098), (9, 7113), (10, 7122),

Gene: Andrew_8 Start: 6895, Stop: 7071, Start Num: 7
Candidate Starts for Andrew_8:
(Start: 7 @6895 has 19 MA's), (8, 6916), (10, 6940), (14, 6997),

Gene: Bosection6_7 Start: 5799, Stop: 5963, Start Num: 11
Candidate Starts for Bosection6_7:
(Start: 7 @5730 has 19 MA's), (Start: 11 @5799 has 1 MA's), (12, 5814),

Gene: Chickaboom_7 Start: 6580, Stop: 6765, Start Num: 7
Candidate Starts for Chickaboom_7:
(3, 6526), (4, 6532), (Start: 7 @6580 has 19 MA's), (13, 6679),

Gene: Coral_8 Start: 6916, Stop: 7119, Start Num: 7
Candidate Starts for Coral_8:
(Start: 7 @6916 has 19 MA's), (8, 6937), (9, 6952), (10, 6961), (16, 7051),

Gene: Cote_9 Start: 7077, Stop: 7280, Start Num: 7
Candidate Starts for Cote_9:
(Start: 7 @7077 has 19 MA's), (8, 7098), (9, 7113), (10, 7122),

Gene: Daob_9 Start: 7080, Stop: 7283, Start Num: 7
Candidate Starts for Daob_9:
(Start: 7 @7080 has 19 MA's), (8, 7101), (9, 7116), (10, 7125),

Gene: Eesa_8 Start: 7101, Stop: 7283, Start Num: 7
Candidate Starts for Eesa_8:
(Start: 7 @7101 has 19 MA's),

Gene: Galaxy_8 Start: 6882, Stop: 7091, Start Num: 7
Candidate Starts for Galaxy_8:
(5, 6837), (Start: 7 @6882 has 19 MA's),

Gene: HannahPhantana_9 Start: 7080, Stop: 7283, Start Num: 7
Candidate Starts for HannahPhantana_9:
(Start: 7 @7080 has 19 MA's), (8, 7101), (9, 7116), (10, 7125),

Gene: Juno112_7 Start: 6511, Stop: 6693, Start Num: 7
Candidate Starts for Juno112_7:
(Start: 7 @6511 has 19 MA's), (8, 6532),

Gene: KHumphrey_7 Start: 6510, Stop: 6692, Start Num: 7
Candidate Starts for KHumphrey_7:
(Start: 7 @6510 has 19 MA's), (8, 6531),

Gene: Kepler_8 Start: 6915, Stop: 7118, Start Num: 7
Candidate Starts for Kepler_8:
(Start: 7 @6915 has 19 MA's), (8, 6936), (9, 6951), (10, 6960),

Gene: Kuleana_8 Start: 6883, Stop: 7083, Start Num: 7
Candidate Starts for Kuleana_8:
(Start: 7 @6883 has 19 MA's), (8, 6904), (10, 6928), (15, 6994),

Gene: LittleTokyo_8 Start: 6828, Stop: 7022, Start Num: 6
Candidate Starts for LittleTokyo_8:
(Start: 6 @6828 has 1 MA's),

Gene: Lunar_9 Start: 7077, Stop: 7280, Start Num: 7
Candidate Starts for Lunar_9:
(Start: 7 @7077 has 19 MA's), (8, 7098), (9, 7113), (10, 7122),

Gene: Melons_9 Start: 7077, Stop: 7280, Start Num: 7
Candidate Starts for Melons_9:
(Start: 7 @7077 has 19 MA's), (8, 7098), (9, 7113), (10, 7122),

Gene: Melville_7 Start: 5799, Stop: 5963, Start Num: 11
Candidate Starts for Melville_7:
(Start: 7 @5730 has 19 MA's), (Start: 11 @5799 has 1 MA's), (12, 5814),

Gene: Orcanus_8 Start: 6891, Stop: 7073, Start Num: 7
Candidate Starts for Orcanus_8:
(Start: 7 @6891 has 19 MA's),

Gene: PhluffyCoco_7 Start: 6510, Stop: 6692, Start Num: 7
Candidate Starts for PhluffyCoco_7:
(Start: 7 @6510 has 19 MA's), (8, 6531),

Gene: Polka_8 Start: 6916, Stop: 7119, Start Num: 7
Candidate Starts for Polka_8:
(Start: 7 @6916 has 19 MA's), (8, 6937), (9, 6952), (10, 6961),

Gene: RedFox_7 Start: 6510, Stop: 6692, Start Num: 7
Candidate Starts for RedFox_7:
(Start: 7 @6510 has 19 MA's), (8, 6531),

Gene: Renna12_8 Start: 6698, Stop: 6889, Start Num: 7
Candidate Starts for Renna12_8:
(Start: 7 @6698 has 19 MA's), (8, 6719), (14, 6800),

Gene: Ruchi_8 Start: 7139, Stop: 7354, Start Num: 7
Candidate Starts for Ruchi_8:
(3, 7082), (4, 7088), (Start: 7 @7139 has 19 MA's),

Gene: Sarge_7 Start: 6203, Stop: 6382, Start Num: 7
Candidate Starts for Sarge_7:
(Start: 7 @6203 has 19 MA's), (8, 6224),

Gene: Scitech_7 Start: 5799, Stop: 5963, Start Num: 11
Candidate Starts for Scitech_7:
(Start: 7 @5730 has 19 MA's), (Start: 11 @5799 has 1 MA's), (12, 5814),

Gene: Silvy_7 Start: 5799, Stop: 5963, Start Num: 11

Candidate Starts for Silvy_7:

(Start: 7 @5730 has 19 MA's), (Start: 11 @5799 has 1 MA's), (12, 5814),

Gene: Snekmaggedon_7 Start: 5822, Stop: 6004, Start Num: 11

Candidate Starts for Snekmaggedon_7:

(1, 5351), (2, 5453), (Start: 7 @5753 has 19 MA's), (Start: 11 @5822 has 1 MA's), (12, 5837),

Gene: Vulpecula_8 Start: 7215, Stop: 7430, Start Num: 7

Candidate Starts for Vulpecula_8:

(Start: 7 @7215 has 19 MA's),