

Pham 214386



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 214386 Report

This analysis was run 02/22/25 on database version 588.

Pham number 214386 has 47 members, 22 are drafts.

Phages represented in each track:

- Track 1 : TaylorSipht\_8
- Track 2 : Jamun\_8, Ruchi\_8, Brynnie\_8, Basilisk\_8
- Track 3 : Chickaboom\_7
- Track 4 : Gravel\_9, KendraB23\_9, Orcanus\_8, Eesa\_8, Pelletreau\_9, Westrich\_9, Toad24\_9
- Track 5 : Galaxy\_8, Abidatro\_8
- Track 6 : Vulpecula\_8
- Track 7 : Cote\_9, Daob\_9, Polka\_8, Bibble12\_9, Lunar\_9, HannahPhantana\_9, Melons\_9, Kepler\_8, Colusalem\_8, Jerole\_9, OtsoOtso\_8, Amelia\_9, Bedetta\_9
- Track 8 : Zhuangyuan\_9, Cygnet\_8
- Track 9 : Coral\_8
- Track 10 : Antrice\_8
- Track 11 : AmiCi24\_7, KHumphrey\_7, PhluffyCoco\_7, HamCheese\_7, RedFox\_7, DanHam62\_7, Atlantica\_7, Glotell\_7, Camara\_7, Juno112\_7
- Track 12 : Babushka\_7
- Track 13 : Rattail\_7
- Track 14 : Renna12\_8
- Track 15 : StuartMinion\_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 25 of the 25 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Abidatro\_8, Amelia\_9, AmiCi24\_7, Antrice\_8, Atlantica\_7, Babushka\_7, Basilisk\_8, Bedetta\_9, Bibble12\_9, Brynnie\_8, Camara\_7, Chickaboom\_7, Colusalem\_8, Coral\_8, Cote\_9, Cygnet\_8, DanHam62\_7, Daob\_9, Eesa\_8, Galaxy\_8, Glotell\_7, Gravel\_9, HamCheese\_7, HannahPhantana\_9, Jamun\_8, Jerole\_9, Juno112\_7, KHumphrey\_7, KendraB23\_9, Kepler\_8, Lunar\_9, Melons\_9, Orcanus\_8, OtsoOtso\_8, Pelletreau\_9, PhluffyCoco\_7, Polka\_8, Rattail\_7, RedFox\_7, Renna12\_8, Ruchi\_8, StuartMinion\_7, TaylorSipht\_8, Toad24\_9, Vulpecula\_8, Westrich\_9, Zhuangyuan\_9,

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 7:

- Found in 47 of 47 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 25 of 25
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abidatro\_8 (AS1), Amelia\_9 (AS2), AmiCi24\_7 (AS3), Antrice\_8 (AS2), Atlantica\_7 (AS3), Babushka\_7 (AS3), Basilisk\_8 (AS1), Bedetta\_9 (AS2), Bibble12\_9 (AS2), Brynnie\_8 (AS1), Camara\_7 (AS3), Chickaboom\_7 (AS1), Colusalem\_8 (AS2), Coral\_8 (AS2), Cote\_9 (AS2), Cygnet\_8 (AS2), DanHam62\_7 (AS3), Daob\_9 (AS2), Eesa\_8 (AS1), Galaxy\_8 (AS1), Glotell\_7 (AS3), Gravel\_9 (AS1), HamCheese\_7 (AS3), HannahPhantana\_9 (AS2), Jamun\_8 (AS1), Jerole\_9 (AS2), Juno112\_7 (AS3), KHumphrey\_7 (AS3), KendraB23\_9 (AS1), Kepler\_8 (AS2), Lunar\_9 (AS2), Melons\_9 (AS2), Orcanus\_8 (AS1), OtsoOtso\_8 (AS2), Pelletreau\_9 (AS1), PhluffyCoco\_7 (AS3), Polka\_8 (AS2), Rattail\_7 (AS3), RedFox\_7 (AS3), Renna12\_8 (AS3), Ruchi\_8 (AS1), StuartMinion\_7 (AS3), TaylorSipht\_8 (AS1), Toad24\_9 (AS1), Vulpecula\_8 (AS1), Westrich\_9 (AS1), Zhuangyuan\_9 (AS2),

### Summary by clusters:

There are 3 clusters represented in this pham: AS3, AS2, AS1,

Info for manual annotations of cluster AS1:

- Start number 7 was manually annotated 11 times for cluster AS1.

Info for manual annotations of 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 5 times for cluster AS3.

### Gene Information:

Gene: Abidatro\_8 Start: 6875, Stop: 7084, Start Num: 7

Candidate Starts for Abidatro\_8:

(5, 6830), (Start: 7 @6875 has 25 MA's),

Gene: Amelia\_9 Start: 7077, Stop: 7280, Start Num: 7

Candidate Starts for Amelia\_9:

(Start: 7 @7077 has 25 MA's), (8, 7098), (9, 7113), (10, 7122),

Gene: AmiCi24\_7 Start: 6510, Stop: 6692, Start Num: 7

Candidate Starts for AmiCi24\_7:

(Start: 7 @6510 has 25 MA's), (8, 6531),

Gene: Antrice\_8 Start: 6824, Stop: 7024, Start Num: 7  
Candidate Starts for Antrice\_8:  
(6, 6785), (Start: 7 @6824 has 25 MA's),

Gene: Atlantica\_7 Start: 6510, Stop: 6692, Start Num: 7  
Candidate Starts for Atlantica\_7:  
(Start: 7 @6510 has 25 MA's), (8, 6531),

Gene: Babushka\_7 Start: 6552, Stop: 6740, Start Num: 7  
Candidate Starts for Babushka\_7:  
(Start: 7 @6552 has 25 MA's), (8, 6573), (12, 6654),

Gene: Basilisk\_8 Start: 7139, Stop: 7408, Start Num: 7  
Candidate Starts for Basilisk\_8:  
(3, 7082), (4, 7088), (Start: 7 @7139 has 25 MA's),

Gene: Bedetta\_9 Start: 7077, Stop: 7280, Start Num: 7  
Candidate Starts for Bedetta\_9:  
(Start: 7 @7077 has 25 MA's), (8, 7098), (9, 7113), (10, 7122),

Gene: Bible12\_9 Start: 7080, Stop: 7283, Start Num: 7  
Candidate Starts for Bible12\_9:  
(Start: 7 @7080 has 25 MA's), (8, 7101), (9, 7116), (10, 7125),

Gene: Brynnie\_8 Start: 6936, Stop: 7220, Start Num: 7  
Candidate Starts for Brynnie\_8:  
(3, 6879), (4, 6885), (Start: 7 @6936 has 25 MA's),

Gene: Camara\_7 Start: 6511, Stop: 6693, Start Num: 7  
Candidate Starts for Camara\_7:  
(Start: 7 @6511 has 25 MA's), (8, 6532),

Gene: Chickaboom\_7 Start: 6580, Stop: 6765, Start Num: 7  
Candidate Starts for Chickaboom\_7:  
(3, 6526), (4, 6532), (Start: 7 @6580 has 25 MA's), (11, 6679),

Gene: Colusalem\_8 Start: 6916, Stop: 7119, Start Num: 7  
Candidate Starts for Colusalem\_8:  
(Start: 7 @6916 has 25 MA's), (8, 6937), (9, 6952), (10, 6961),

Gene: Coral\_8 Start: 6916, Stop: 7119, Start Num: 7  
Candidate Starts for Coral\_8:  
(Start: 7 @6916 has 25 MA's), (8, 6937), (9, 6952), (10, 6961), (13, 7051),

Gene: Cote\_9 Start: 7077, Stop: 7280, Start Num: 7  
Candidate Starts for Cote\_9:  
(Start: 7 @7077 has 25 MA's), (8, 7098), (9, 7113), (10, 7122),

Gene: Cygnet\_8 Start: 6857, Stop: 7063, Start Num: 7  
Candidate Starts for Cygnet\_8:  
(Start: 7 @6857 has 25 MA's),

Gene: DanHam62\_7 Start: 6510, Stop: 6692, Start Num: 7  
Candidate Starts for DanHam62\_7:  
(Start: 7 @6510 has 25 MA's), (8, 6531),

Gene: Daob\_9 Start: 7080, Stop: 7283, Start Num: 7  
Candidate Starts for Daob\_9:  
(Start: 7 @7080 has 25 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 25 MA's),

Gene: Galaxy\_8 Start: 6882, Stop: 7091, Start Num: 7  
Candidate Starts for Galaxy\_8:  
(5, 6837), (Start: 7 @6882 has 25 MA's),

Gene: Glotell\_7 Start: 6510, Stop: 6692, Start Num: 7  
Candidate Starts for Glotell\_7:  
(Start: 7 @6510 has 25 MA's), (8, 6531),

Gene: Gravel\_9 Start: 7098, Stop: 7280, Start Num: 7  
Candidate Starts for Gravel\_9:  
(Start: 7 @7098 has 25 MA's),

Gene: HamCheese\_7 Start: 6510, Stop: 6692, Start Num: 7  
Candidate Starts for HamCheese\_7:  
(Start: 7 @6510 has 25 MA's), (8, 6531),

Gene: HannahPhantana\_9 Start: 7080, Stop: 7283, Start Num: 7  
Candidate Starts for HannahPhantana\_9:  
(Start: 7 @7080 has 25 MA's), (8, 7101), (9, 7116), (10, 7125),

Gene: Jamun\_8 Start: 7154, Stop: 7432, Start Num: 7  
Candidate Starts for Jamun\_8:  
(3, 7097), (4, 7103), (Start: 7 @7154 has 25 MA's),

Gene: Jerole\_9 Start: 7077, Stop: 7280, Start Num: 7  
Candidate Starts for Jerole\_9:  
(Start: 7 @7077 has 25 MA's), (8, 7098), (9, 7113), (10, 7122),

Gene: Juno112\_7 Start: 6511, Stop: 6693, Start Num: 7  
Candidate Starts for Juno112\_7:  
(Start: 7 @6511 has 25 MA's), (8, 6532),

Gene: KHumphrey\_7 Start: 6510, Stop: 6692, Start Num: 7  
Candidate Starts for KHumphrey\_7:  
(Start: 7 @6510 has 25 MA's), (8, 6531),

Gene: KendraB23\_9 Start: 7098, Stop: 7280, Start Num: 7  
Candidate Starts for KendraB23\_9:  
(Start: 7 @7098 has 25 MA's),

Gene: Kepler\_8 Start: 6915, Stop: 7118, Start Num: 7

Candidate Starts for Kepler\_8:  
(Start: 7 @6915 has 25 MA's), (8, 6936), (9, 6951), (10, 6960),

Gene: Lunar\_9 Start: 7077, Stop: 7280, Start Num: 7  
Candidate Starts for Lunar\_9:  
(Start: 7 @7077 has 25 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 25 MA's), (8, 7098), (9, 7113), (10, 7122),

Gene: Orcanus\_8 Start: 6891, Stop: 7073, Start Num: 7  
Candidate Starts for Orcanus\_8:  
(Start: 7 @6891 has 25 MA's),

Gene: OtsoOtso\_8 Start: 6916, Stop: 7119, Start Num: 7  
Candidate Starts for OtsoOtso\_8:  
(Start: 7 @6916 has 25 MA's), (8, 6937), (9, 6952), (10, 6961),

Gene: Pelletreau\_9 Start: 7098, Stop: 7280, Start Num: 7  
Candidate Starts for Pelletreau\_9:  
(Start: 7 @7098 has 25 MA's),

Gene: PhluffyCoco\_7 Start: 6510, Stop: 6692, Start Num: 7  
Candidate Starts for PhluffyCoco\_7:  
(Start: 7 @6510 has 25 MA's), (8, 6531),

Gene: Polka\_8 Start: 6916, Stop: 7119, Start Num: 7  
Candidate Starts for Polka\_8:  
(Start: 7 @6916 has 25 MA's), (8, 6937), (9, 6952), (10, 6961),

Gene: Rattail\_7 Start: 6552, Stop: 6743, Start Num: 7  
Candidate Starts for Rattail\_7:  
(2, 6489), (Start: 7 @6552 has 25 MA's), (8, 6573), (12, 6654),

Gene: RedFox\_7 Start: 6510, Stop: 6692, Start Num: 7  
Candidate Starts for RedFox\_7:  
(Start: 7 @6510 has 25 MA's), (8, 6531),

Gene: Renna12\_8 Start: 6698, Stop: 6889, Start Num: 7  
Candidate Starts for Renna12\_8:  
(Start: 7 @6698 has 25 MA's), (8, 6719), (12, 6800),

Gene: Ruchi\_8 Start: 7139, Stop: 7354, Start Num: 7  
Candidate Starts for Ruchi\_8:  
(3, 7082), (4, 7088), (Start: 7 @7139 has 25 MA's),

Gene: StuartMinion\_7 Start: 6509, Stop: 6718, Start Num: 7  
Candidate Starts for StuartMinion\_7:  
(1, 6431), (Start: 7 @6509 has 25 MA's), (8, 6530), (12, 6611),

Gene: TaylorSipht\_8 Start: 6914, Stop: 7159, Start Num: 7  
Candidate Starts for TaylorSipht\_8:

(Start: 7 @6914 has 25 MA's),

Gene: Toad24\_9 Start: 7098, Stop: 7280, Start Num: 7

Candidate Starts for Toad24\_9:

(Start: 7 @7098 has 25 MA's),

Gene: Vulpecula\_8 Start: 7215, Stop: 7430, Start Num: 7

Candidate Starts for Vulpecula\_8:

(Start: 7 @7215 has 25 MA's),

Gene: Westrich\_9 Start: 7086, Stop: 7268, Start Num: 7

Candidate Starts for Westrich\_9:

(Start: 7 @7086 has 25 MA's),

Gene: Zhuangyuan\_9 Start: 7207, Stop: 7446, Start Num: 7

Candidate Starts for Zhuangyuan\_9:

(Start: 7 @7207 has 25 MA's),