

Pham 194457



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 194457 Report

This analysis was run 11/02/24 on database version 579.

Pham number 194457 has 14 members, 0 are drafts.

Phages represented in each track:

- Track 1 : Soondubu\_41
- Track 2 : DrManhattan\_47, Adolin\_48
- Track 3 : Reedo\_47
- Track 4 : MissSwiss\_48
- Track 5 : Tallboi\_47
- Track 6 : Madraxi\_108
- Track 7 : Jflix2\_106
- Track 8 : IAmGroot\_69
- Track 9 : Honk\_75
- Track 10 : Cen1621\_67
- Track 11 : GardenState\_70
- Track 12 : BaileyBlu\_46
- Track 13 : CallinAllBarbz\_46

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

The start number called the most often in the published annotations is 11, it was called in 10 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adolin\_48, BaileyBlu\_46, CallinAllBarbz\_46, DrManhattan\_47, GardenState\_70, IAmGroot\_69, MissSwiss\_48, Reedo\_47, Soondubu\_41, Tallboi\_47,

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

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

- Cen1621\_67, Honk\_75, Jflix2\_106, Madraxi\_108,

### **Summary by start number:**

Start 2:

- Found in 2 of 14 ( 14.3% ) of genes in pham
- Manual Annotations of this start: 2 of 14

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jflix2\_106 (CF), Madraxi\_108 (CF),

Start 8:

- Found in 1 of 14 ( 7.1% ) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Honk\_75 (EH),

Start 10:

- Found in 1 of 14 ( 7.1% ) of genes in pham
- Manual Annotations of this start: 1 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cen1621\_67 (EH),

Start 11:

- Found in 10 of 14 ( 71.4% ) of genes in pham
- Manual Annotations of this start: 10 of 14
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adolin\_48 (AZ1), BaileyBlu\_46 (FP), CallinAllBarbz\_46 (FP), DrManhattan\_47 (AZ1), GardenState\_70 (EH), IAmGroot\_69 (EH), MissSwiss\_48 (AZ1), Reedo\_47 (AZ1), Soondubu\_41 (AZ), Tallboi\_47 (AZ1),

### **Summary by clusters:**

There are 5 clusters represented in this pham: FP, AZ1, AZ, CF, EH,

Info for manual annotations of cluster AZ:

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

Info for manual annotations of cluster AZ1:

- Start number 11 was manually annotated 5 times for cluster AZ1.

Info for manual annotations of cluster CF:

- Start number 2 was manually annotated 2 times for cluster CF.

Info for manual annotations of cluster EH:

- Start number 8 was manually annotated 1 time for cluster EH.
- Start number 10 was manually annotated 1 time for cluster EH.
- Start number 11 was manually annotated 2 times for cluster EH.

Info for manual annotations of cluster FP:

- Start number 11 was manually annotated 2 times for cluster FP.

### **Gene Information:**

Gene: Adolin\_48 Start: 33121, Stop: 33456, Start Num: 11

Candidate Starts for Adolin\_48:

(3, 33067), (Start: 11 @33121 has 10 MA's),

Gene: BaileyBlu\_46 Start: 33124, Stop: 33462, Start Num: 11

Candidate Starts for BaileyBlu\_46:  
(Start: 11 @33124 has 10 MA's), (16, 33235), (22, 33427),

Gene: CallinAllBarbz\_46 Start: 33305, Stop: 33643, Start Num: 11  
Candidate Starts for CallinAllBarbz\_46:  
(1, 33239), (Start: 11 @33305 has 10 MA's), (22, 33608),

Gene: Cen1621\_67 Start: 45156, Stop: 45494, Start Num: 10  
Candidate Starts for Cen1621\_67:  
(5, 45129), (6, 45141), (Start: 10 @45156 has 1 MA's), (18, 45399),

Gene: DrManhattan\_47 Start: 32688, Stop: 33023, Start Num: 11  
Candidate Starts for DrManhattan\_47:  
(3, 32634), (Start: 11 @32688 has 10 MA's),

Gene: GardenState\_70 Start: 42790, Stop: 43125, Start Num: 11  
Candidate Starts for GardenState\_70:  
(Start: 11 @42790 has 10 MA's),

Gene: Honk\_75 Start: 46974, Stop: 47339, Start Num: 8  
Candidate Starts for Honk\_75:  
(Start: 8 @46974 has 1 MA's), (14, 47064), (15, 47076), (21, 47274),

Gene: IAmGroot\_69 Start: 43001, Stop: 43336, Start Num: 11  
Candidate Starts for IAmGroot\_69:  
(4, 42962), (Start: 11 @43001 has 10 MA's),

Gene: Jflix2\_106 Start: 61115, Stop: 60702, Start Num: 2  
Candidate Starts for Jflix2\_106:  
(Start: 2 @61115 has 2 MA's), (9, 61058), (12, 61043), (17, 60818), (19, 60794), (20, 60785),

Gene: Madraxi\_108 Start: 63145, Stop: 62732, Start Num: 2  
Candidate Starts for Madraxi\_108:  
(Start: 2 @63145 has 2 MA's), (7, 63100), (9, 63088), (12, 63073), (13, 63004),

Gene: MissSwiss\_48 Start: 33199, Stop: 33531, Start Num: 11  
Candidate Starts for MissSwiss\_48:  
(Start: 11 @33199 has 10 MA's), (22, 33505),

Gene: Reedo\_47 Start: 32807, Stop: 33139, Start Num: 11  
Candidate Starts for Reedo\_47:  
(Start: 11 @32807 has 10 MA's),

Gene: Soondubu\_41 Start: 34415, Stop: 34756, Start Num: 11  
Candidate Starts for Soondubu\_41:  
(Start: 11 @34415 has 10 MA's), (22, 34718),

Gene: Tallboi\_47 Start: 35393, Stop: 35728, Start Num: 11  
Candidate Starts for Tallboi\_47:  
(Start: 11 @35393 has 10 MA's), (23, 35717),