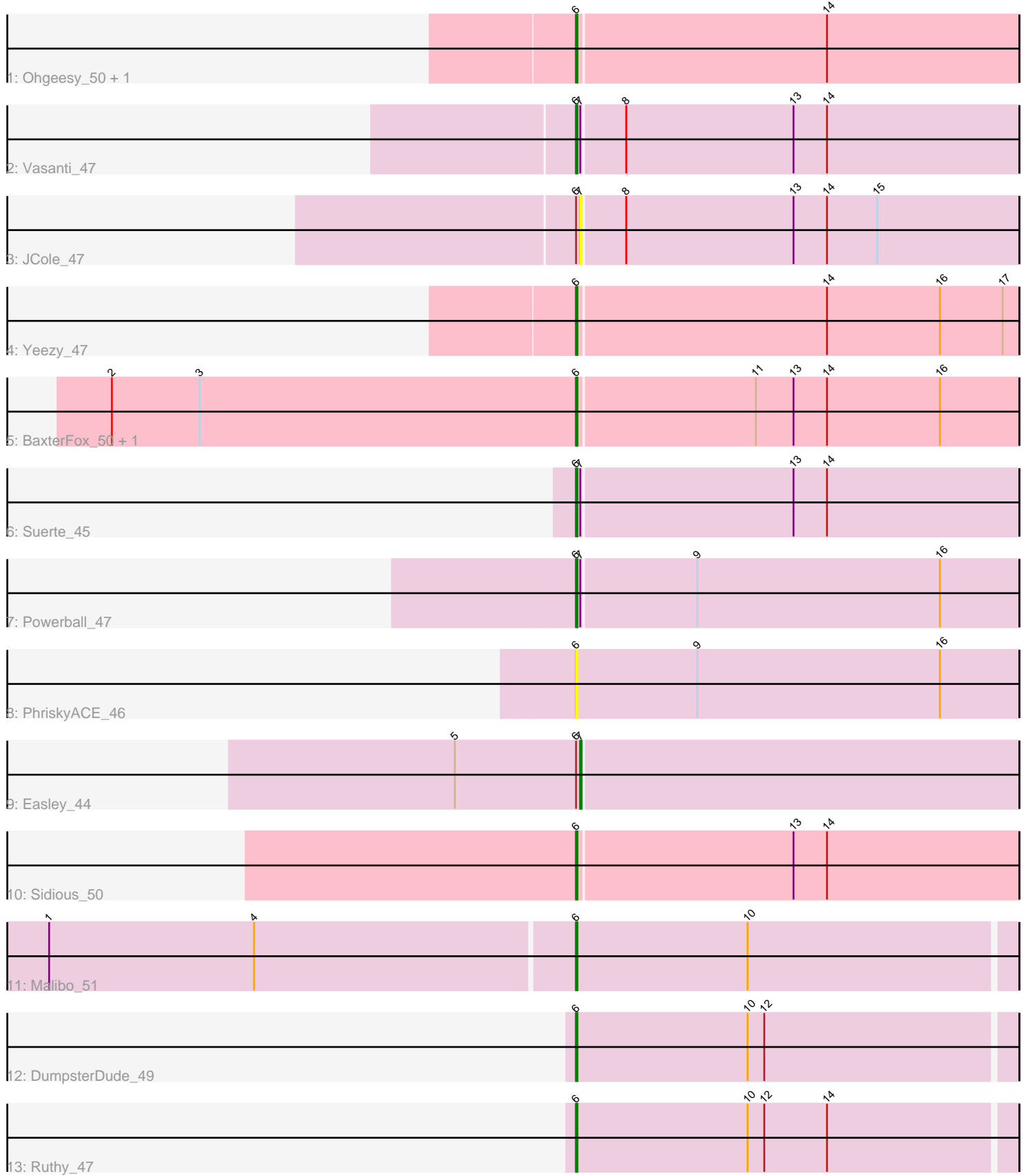


# Pham 87202



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 87202 Report

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

Pham number 87202 has 15 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Ohgeesy\_50, Madeline\_47
- Track 2 : Vasanti\_47
- Track 3 : JCole\_47
- Track 4 : Yeezy\_47
- Track 5 : BaxterFox\_50, PantheRoc\_49
- Track 6 : Suerte\_45
- Track 7 : Powerball\_47
- Track 8 : PhriskyACE\_46
- Track 9 : Easley\_44
- Track 10 : Sidious\_50
- Track 11 : Malibo\_51
- Track 12 : DumpsterDude\_49
- Track 13 : Ruthy\_47

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

The start number called the most often in the published annotations is 6, it was called in 11 of the 12 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BaxterFox\_50, DumpsterDude\_49, Madeline\_47, Malibo\_51, Ohgeesy\_50, PantheRoc\_49, PhriskyACE\_46, Powerball\_47, Ruthy\_47, Sidious\_50, Suerte\_45, Vasanti\_47, Yeezy\_47,

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

- Easley\_44, JCole\_47,

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

- 

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

Start 6:

- Found in 15 of 15 ( 100.0% ) of genes in pham

- Manual Annotations of this start: 11 of 12
- Called 86.7% of time when present
- Phage (with cluster) where this start called: BaxterFox\_50 (CZ3), DumpsterDude\_49 (DW), Madeline\_47 (CZ1), Malibo\_51 (DW), Ohgeesy\_50 (CZ), PantheRoc\_49 (CZ3), PhriskyACE\_46 (CZ4), Powerball\_47 (CZ4), Ruthy\_47 (DW), Sidious\_50 (CZ7), Suerte\_45 (CZ4), Vasanti\_47 (CZ2), Yeezy\_47 (CZ3),

Start 7:

- Found in 5 of 15 ( 33.3% ) of genes in pham
- Manual Annotations of this start: 1 of 12
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Easley\_44 (CZ4), JCole\_47 (CZ2),

### **Summary by clusters:**

There are 7 clusters represented in this pham: CZ2, CZ3, CZ1, CZ7, CZ4, CZ, DW,

Info for manual annotations of cluster CZ:

- Start number 6 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 6 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 6 was manually annotated 1 time for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 6 was manually annotated 2 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 6 was manually annotated 2 times for cluster CZ4.
- Start number 7 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster CZ7:

- Start number 6 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster DW:

- Start number 6 was manually annotated 3 times for cluster DW.

### **Gene Information:**

Gene: BaxterFox\_50 Start: 37929, Stop: 38243, Start Num: 6

Candidate Starts for BaxterFox\_50:

(2, 37596), (3, 37659), (Start: 6 @37929 has 11 MA's), (11, 38055), (13, 38082), (14, 38106), (16, 38187),

Gene: DumpsterDude\_49 Start: 39637, Stop: 39948, Start Num: 6

Candidate Starts for DumpsterDude\_49:

(Start: 6 @39637 has 11 MA's), (10, 39760), (12, 39772),

Gene: Easley\_44 Start: 33410, Stop: 33721, Start Num: 7

Candidate Starts for Easley\_44:

(5, 33323), (Start: 6 @33407 has 11 MA's), (Start: 7 @33410 has 1 MA's),

Gene: JCole\_47 Start: 32915, Stop: 33226, Start Num: 7

Candidate Starts for JCole\_47:

(Start: 6 @32912 has 11 MA's), (Start: 7 @32915 has 1 MA's), (8, 32945), (13, 33065), (14, 33089), (15, 33125),

Gene: Madeline\_47 Start: 37058, Stop: 37372, Start Num: 6

Candidate Starts for Madeline\_47:

(Start: 6 @37058 has 11 MA's), (14, 37235),

Gene: Malibo\_51 Start: 37053, Stop: 37364, Start Num: 6

Candidate Starts for Malibo\_51:

(1, 36681), (4, 36828), (Start: 6 @37053 has 11 MA's), (10, 37176),

Gene: Ohgeesy\_50 Start: 37853, Stop: 38167, Start Num: 6

Candidate Starts for Ohgeesy\_50:

(Start: 6 @37853 has 11 MA's), (14, 38030),

Gene: PantheRoc\_49 Start: 36904, Stop: 37218, Start Num: 6

Candidate Starts for PantheRoc\_49:

(2, 36571), (3, 36634), (Start: 6 @36904 has 11 MA's), (11, 37030), (13, 37057), (14, 37081), (16, 37162),

Gene: PhriskyACE\_46 Start: 35054, Stop: 35371, Start Num: 6

Candidate Starts for PhriskyACE\_46:

(Start: 6 @35054 has 11 MA's), (9, 35141), (16, 35315),

Gene: Powerball\_47 Start: 35183, Stop: 35497, Start Num: 6

Candidate Starts for Powerball\_47:

(Start: 6 @35183 has 11 MA's), (Start: 7 @35186 has 1 MA's), (9, 35267), (16, 35441),

Gene: Ruthy\_47 Start: 36999, Stop: 37310, Start Num: 6

Candidate Starts for Ruthy\_47:

(Start: 6 @36999 has 11 MA's), (10, 37122), (12, 37134), (14, 37179),

Gene: Sidious\_50 Start: 37731, Stop: 38045, Start Num: 6

Candidate Starts for Sidious\_50:

(Start: 6 @37731 has 11 MA's), (13, 37884), (14, 37908),

Gene: Suerte\_45 Start: 34297, Stop: 34611, Start Num: 6

Candidate Starts for Suerte\_45:

(Start: 6 @34297 has 11 MA's), (Start: 7 @34300 has 1 MA's), (13, 34450), (14, 34474),

Gene: Vasanti\_47 Start: 32902, Stop: 33216, Start Num: 6

Candidate Starts for Vasanti\_47:

(Start: 6 @32902 has 11 MA's), (Start: 7 @32905 has 1 MA's), (8, 32935), (13, 33055), (14, 33079),

Gene: Yeezy\_47 Start: 34902, Stop: 35216, Start Num: 6

Candidate Starts for Yeezy\_47:

(Start: 6 @34902 has 11 MA's), (14, 35079), (16, 35160), (17, 35205),