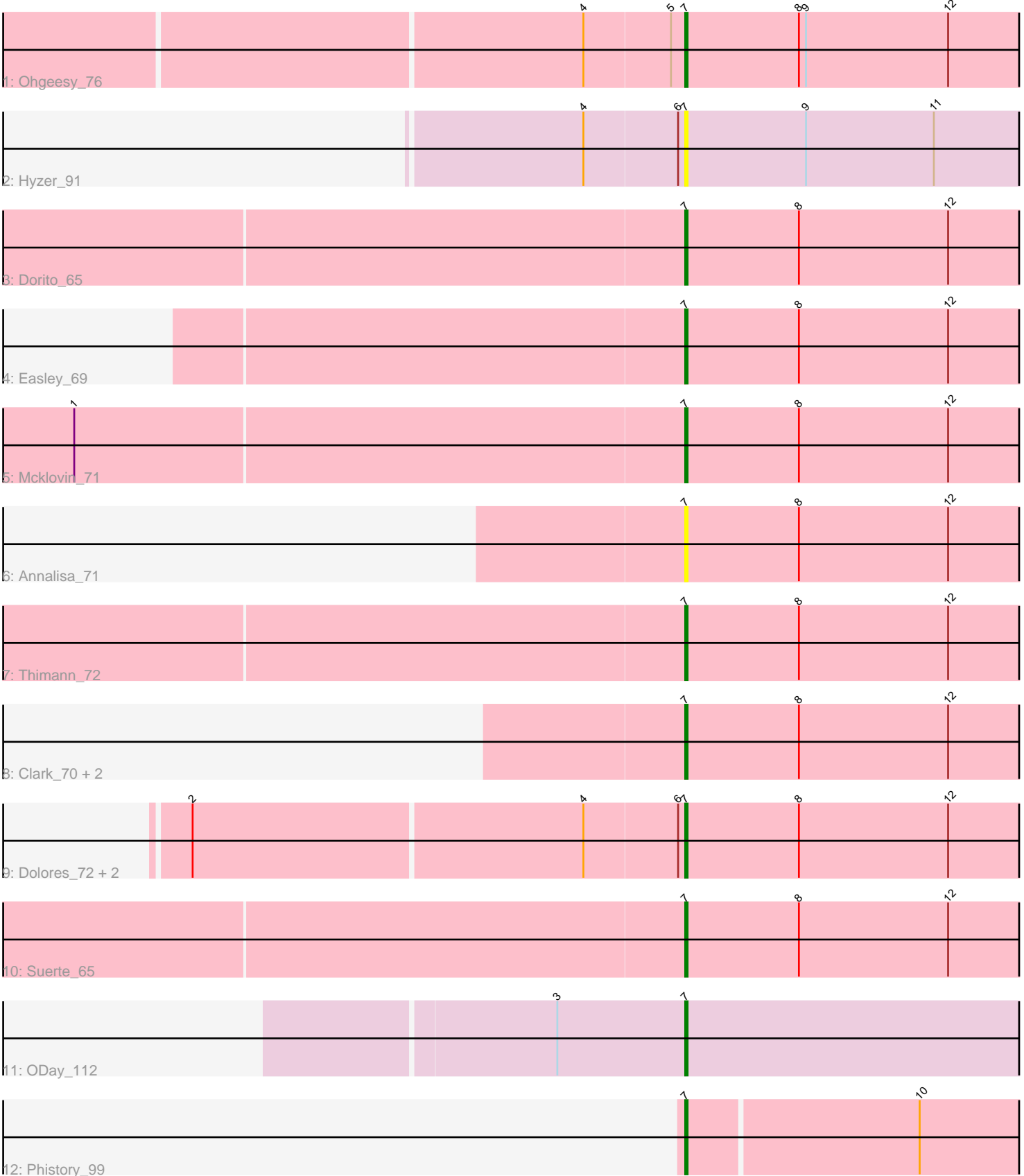


Pham 87044



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 87044 Report

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

Pham number 87044 has 16 members, 2 are drafts.

Phages represented in each track:

- Track 1 : Ohgeesy\_76
- Track 2 : Hyzer\_91
- Track 3 : Dorito\_65
- Track 4 : Easley\_69
- Track 5 : Mcklovin\_71
- Track 6 : Annalisa\_71
- Track 7 : Thimann\_72
- Track 8 : Clark\_70, Beenie\_65, MichaelScott\_72
- Track 9 : Dolores\_72, WinkNick\_72, Sekhmet\_71
- Track 10 : Suerte\_65
- Track 11 : ODay\_112
- Track 12 : Phistory\_99

### ***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 14 of the 14 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Annalisa\_71, Beenie\_65, Clark\_70, Dolores\_72, Dorito\_65, Easley\_69, Hyzer\_91, Mcklovin\_71, MichaelScott\_72, ODay\_112, Ohgeesy\_76, Phistory\_99, Sekhmet\_71, Suerte\_65, Thimann\_72, WinkNick\_72,

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 16 of 16 ( 100.0% ) of genes in pham
- Manual Annotations of this start: 14 of 14

- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annalisa\_71 (CZ4), Beenie\_65 (CZ4), Clark\_70 (CZ4), Dolores\_72 (CZ4), Dorito\_65 (CZ4), Easley\_69 (CZ4), Hyzer\_91 (CZ1), Mcklovin\_71 (CZ4), MichaelScott\_72 (CZ4), ODay\_112 (DN), Ohgeesy\_76 (CZ), Phistory\_99 (DN1), Sekhmet\_71 (CZ4), Suerte\_65 (CZ4), Thimann\_72 (CZ4), WinkNick\_72 (CZ4),

### **Summary by clusters:**

There are 5 clusters represented in this pham: DN, CZ, CZ1, DN1, CZ4,

Info for manual annotations of cluster CZ:

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

Info for manual annotations of cluster CZ4:

- Start number 7 was manually annotated 11 times for cluster CZ4.

Info for manual annotations of cluster DN:

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

Info for manual annotations of cluster DN1:

- Start number 7 was manually annotated 1 time for cluster DN1.

### **Gene Information:**

Gene: Annalisa\_71 Start: 44346, Stop: 44495, Start Num: 7

Candidate Starts for Annalisa\_71:

(Start: 7 @44346 has 14 MA's), (8, 44394), (12, 44457),

Gene: Beenie\_65 Start: 44887, Stop: 45036, Start Num: 7

Candidate Starts for Beenie\_65:

(Start: 7 @44887 has 14 MA's), (8, 44935), (12, 44998),

Gene: Clark\_70 Start: 44650, Stop: 44799, Start Num: 7

Candidate Starts for Clark\_70:

(Start: 7 @44650 has 14 MA's), (8, 44698), (12, 44761),

Gene: Dolores\_72 Start: 44393, Stop: 44542, Start Num: 7

Candidate Starts for Dolores\_72:

(2, 44189), (4, 44351), (6, 44390), (Start: 7 @44393 has 14 MA's), (8, 44441), (12, 44504),

Gene: Dorito\_65 Start: 43083, Stop: 43232, Start Num: 7

Candidate Starts for Dorito\_65:

(Start: 7 @43083 has 14 MA's), (8, 43131), (12, 43194),

Gene: Easley\_69 Start: 43651, Stop: 43800, Start Num: 7

Candidate Starts for Easley\_69:

(Start: 7 @43651 has 14 MA's), (8, 43699), (12, 43762),

Gene: Hyzer\_91 Start: 57232, Stop: 57381, Start Num: 7

Candidate Starts for Hyzer\_91:

(4, 57190), (6, 57229), (Start: 7 @57232 has 14 MA's), (9, 57283), (11, 57337),

Gene: Mcklovin\_71 Start: 50452, Stop: 50601, Start Num: 7

Candidate Starts for Mcklovin\_71:

(1, 50197), (Start: 7 @50452 has 14 MA's), (8, 50500), (12, 50563),

Gene: MichaelScott\_72 Start: 45331, Stop: 45480, Start Num: 7

Candidate Starts for MichaelScott\_72:

(Start: 7 @45331 has 14 MA's), (8, 45379), (12, 45442),

Gene: ODay\_112 Start: 56475, Stop: 56627, Start Num: 7

Candidate Starts for ODay\_112:

(3, 56421), (Start: 7 @56475 has 14 MA's),

Gene: Ohgeesy\_76 Start: 49860, Stop: 50009, Start Num: 7

Candidate Starts for Ohgeesy\_76:

(4, 49818), (5, 49854), (Start: 7 @49860 has 14 MA's), (8, 49908), (9, 49911), (12, 49971),

Gene: Phistory\_99 Start: 50988, Stop: 51137, Start Num: 7

Candidate Starts for Phistory\_99:

(Start: 7 @50988 has 14 MA's), (10, 51084),

Gene: Sekhmet\_71 Start: 44792, Stop: 44941, Start Num: 7

Candidate Starts for Sekhmet\_71:

(2, 44588), (4, 44750), (6, 44789), (Start: 7 @44792 has 14 MA's), (8, 44840), (12, 44903),

Gene: Suerte\_65 Start: 43895, Stop: 44044, Start Num: 7

Candidate Starts for Suerte\_65:

(Start: 7 @43895 has 14 MA's), (8, 43943), (12, 44006),

Gene: Thimann\_72 Start: 45022, Stop: 45171, Start Num: 7

Candidate Starts for Thimann\_72:

(Start: 7 @45022 has 14 MA's), (8, 45070), (12, 45133),

Gene: WinkNick\_72 Start: 44316, Stop: 44465, Start Num: 7

Candidate Starts for WinkNick\_72:

(2, 44112), (4, 44274), (6, 44313), (Start: 7 @44316 has 14 MA's), (8, 44364), (12, 44427),